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DIVISION 1 - GENERAL REQUIREMENTS

| | | | |
|-------|-------|---|--|
| 02/10 | 01100 | SUMMARY | Summary of the Work, phased construction, purchase contracts, Owner-furnished products, access to site, and work restrictions. |
| 02/10 | 01125 | SUMMARY OF MULTIPLE CONTRACTS | Responsibilities of each contract for the Work, coordination, and temporary facilities and controls. |
| 02/10 | 01210 | ALLOWANCES | Provisions for cash allowances including lump-sum, unit cost, contingency, and testing and inspecting allowances. |
| 02/10 | 01230 | ALTERNATES | Provisions for change-of-scope and cost-comparison type alternates. |
| 02/10 | 01250 | CONTRACT MODIFICATION PROCEDURES | Procedural requirements for changes to the Contract. |
| 02/10 | 01270 | UNIT PRICES | Provisions for unit prices. |
| 02/10 | 01290 | PAYMENT PROCEDURES | Administrative requirements for Contractor's Applications for Payment. |
| 02/10 | 01310 | PROJECT MANAGEMENT AND COORDINATION | Administrative requirements for project meetings; preconstruction, preinstallation, and project closeout conferences; RFIs; and project Web sites. |
| 02/10 | 01320 | CONSTRUCTION PROGRESS DOCUMENTATION | Contractor's Construction Schedule including Gantt charts and CPM schedules; Contractor's reports. |
| 02/10 | 01322 | PHOTOGRAPHIC DOCUMENTATION | Construction photographs, video recordings, and web-based photographic documentation. |
| 02/10 | 01330 | SUBMITTAL PROCEDURES | Procedures for Action and Informational Submittals including Delegated-Design Submittals and Submittals Schedule. |
| 02/10 | 01351 | SPECIAL PROCEDURES FOR HISTORIC TREATMENT | General protection and treatment of historic spaces; historic removal and dismantling; and bird-excrement removal. |
| 02/10 | 01361 | SUSTAINABLE DESIGN REQUIREMENTS - LEED FOR NEW CONSTRUCTION AND MAJOR RENOVATIONS | General requirements and procedures for LEED for New Construction and Major Renovations. |
| 02/10 | 01362 | SUSTAINABLE DESIGN REQUIREMENTS - LEED FOR COMMERCIAL INTERIORS | General requirements and procedures for LEED for Commercial Interiors. |
| 02/10 | 01363 | SUSTAINABLE DESIGN REQUIREMENTS - LEED FOR CORE AND SHELL DEVELOPMENT | General requirements and procedures for LEED for Core and Shell Development. |
| 02/10 | 01364 | SUSTAINABLE DESIGN REQUIREMENTS - LEED FOR SCHOOLS | General requirements and procedures for LEED for Schools. |
| 02/10 | 01400 | QUALITY REQUIREMENTS | Quality-assurance and -control requirements, special tests and inspections, and Contractor's quality-control plan. |
| 02/10 | 01420 | REFERENCES | Common definitions and terms; and acronyms and trade names of associations, government agencies, and other entities referenced in MasterSpec. |
| 02/10 | 01500 | TEMPORARY FACILITIES AND CONTROLS | Temporary utilities and facilities for construction support, security, and protection. |
| 02/10 | 01524 | CONSTRUCTION WASTE MANAGEMENT | Salvaging, recycling, and disposing of non-hazardous demolition and construction waste. |
| 02/10 | 01600 | PRODUCT REQUIREMENTS | Administrative and procedural requirements for product, material, and equipment selection and handling; warranties; and comparable products. |
| 02/10 | 01635 | SUBSTITUTION PROCEDURES | Procedural requirements for requests for substitutions during construction. |
| 02/10 | 01700 | EXECUTION REQUIREMENTS | General requirements for product installation, cutting and patching, protection, field engineering, and progress cleaning. |
| 02/10 | 01732 | SELECTIVE DEMOLITION | Demolition and removal of selected portions of buildings and site elements. |

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| 02/10 | 01770 | CLOSEOUT PROCEDURES | Contract closeout including Substantial Completion and Final Completion procedures, warranties, and final cleaning. |
| 02/10 | 01781 | PROJECT RECORD DOCUMENTS | Record record Drawings, Specifications, and Product Data. |
| 02/10 | 01782 | OPERATION AND MAINTENANCE DATA | Emergency, operation, and maintenance manuals for products and equipment. |
| 02/10 | 01810 | GENERAL COMMISSIONING REQUIREMENTS | Administrative requirements and procedures for commissioning all systems. |
| 03/10 | 01815 | COMMISSIONING OF HVAC | Administrative requirements and procedures for commissioning HVAC systems. |
| 02/10 | 01820 | DEMONSTRATION AND TRAINING | Administrative and procedural requirements for instructing Owner's personnel in operation and maintenance. |

DIVISION 2 - SITE CONSTRUCTION

| | | | |
|-------|-------|--|--|
| 03/10 | 02080 | PIPED UTILITIES - BASIC MATERIALS AND METHODS | Basic piping materials and methods. |
| 03/10 | 02085 | INTERCEPTORS | Grease, oil, and sand interceptors for sewerage systems outside the building. |
| 02/10 | 02221 | BUILDING DEMOLITION | Complete structure removal. |
| 02/10 | 02230 | SITE CLEARING | Clearing, grubbing, vegetation protection, topsoil stripping, and disconnecting utilities. |
| 02/10 | 02240 | DEWATERING | Construction dewatering and groundwater controls. |
| 02/10 | 02300 | EARTHWORK | Excavating, filling and backfilling, compaction, and grading. |
| 03/10 | 02510 | WATER DISTRIBUTION | Utility service, domestic, and fire-protection water piping, specialties, and valves. |
| 03/10 | 02515 | FACILITY FIRE-SUPPRESSION WATER-SERVICE PIPING | Fire suppression piping and specialties outside the building. |
| 03/10 | 02525 | WATER SUPPLY WELLS | Drilled and driven wells and well pumps. |
| 03/10 | 02530 | SANITARY SEWERAGE | Sanitary sewerage and underground structures outside the building. |
| 03/10 | 02532 | PACKAGED SEWAGE PUMPING STATIONS | Pump, compressor, tank, and controls. |
| 03/10 | 02540 | SEPTIC TANK SYSTEMS | Tank, distribution box, and drainage pipe. |
| 03/10 | 02551 | UNDERGROUND HYDRONIC PIPING | Underground piping outside the building. |
| 03/10 | 02552 | GROUND-LOOP, HEAT-PUMP PIPING | Horizontal and vertical, direct-buried, ground-loop piping. |
| 03/10 | 02555 | STEAM DISTRIBUTION | Underground piping serving one or more buildings. |
| 03/10 | 02620 | SUBDRAINAGE | Drainage for foundations, underslabs, plaza decks, retaining walls, and landscaped areas. |
| 03/10 | 02630 | STORM DRAINAGE | Gravity and forced storm piping, underground structures, and specialties. |
| 02/10 | 02741 | ASPHALT PAVING | Paving, overlays, and surface treatments. |
| 02/10 | 02751 | CEMENT CONCRETE PAVEMENT | Concrete paving for site construction applications. |
| 02/10 | 02810 | IRRIGATION SYSTEMS | Heads, pipes, and controls. |
| 02/10 | 02821 | CHAIN-LINK FENCES AND GATES | Standard chain-link fencing systems. |

DIVISION 3 - CONCRETE

| | | | |
|-------|-------|--------------------------------------|--|
| 02/10 | 03300 | CAST-IN-PLACE CONCRETE | General building and structural applications; concrete mixtures, formwork, reinforcing, finishing, and curing. |
| 02/10 | 03301 | MISCELLANEOUS CAST-IN-PLACE CONCRETE | Cast-in-place concrete for limited applications. |

DIVISION 5 - METALS

| | | | |
|-------|-------|--------------------|---|
| 02/10 | 05500 | METAL FABRICATIONS | Metal items (not sheet metal) made from iron and steel shapes, stainless steel, and non-ferrous metals. |
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DIVISION 6 - WOOD AND PLASTICS

02/10 06100 ROUGH CARPENTRY

Wood framing, furring, grounds, nailers, and blocking.

DIVISION 7 - THERMAL AND MOISTURE PROTECTION

02/10 07620 SHEET METAL FLASHING AND TRIM

Custom-fabricated roof and wall flashings and roof-drainage systems, and manufactured through-wall flashing and reglets.

02/10 07720 ROOF ACCESSORIES

Roof curbs, equipment supports, roof hatches, heat and smoke vents, gravity ventilators, pipe supports, roof walkways and stairs, and preformed flashing sleeves.

02/10 07841 THROUGH-PENETRATION FIRESTOP SYSTEMS

Systems installed in fire-resistance-rated walls, horizontal assemblies, and smoke barriers.

02/10 07920 JOINT SEALANTS

Elastomeric, latex, solvent-release-curing, preformed, and acoustical sealants.

DIVISION 8 - DOORS AND WINDOWS

02/10 08311 ACCESS DOORS AND FRAMES

Wall, ceiling, and floor units.

02/10 08312 SECURITY ACCESS DOORS AND FRAMES

Wall and ceiling units.

DIVISION 9 - FINISHES

02/10 09911 EXTERIOR PAINTING

Exterior painting.

02/10 09912 INTERIOR PAINTING

Interior painting.

02/10 09960 HIGH-PERFORMANCE COATINGS

Tile-like coatings for use on exterior and interior substrates.

02/10 09975 HIGH-TEMPERATURE-RESISTANT COATINGS

High-temperature-resistant coatings for use on exterior and interior substrates.

DIVISION 10 - SPECIALTIES

02/10 10200 LOUVERS AND VENTS

Fixed and adjustable louvers; wall vents.

02/10 10522 FIRE EXTINGUISHER CABINETS

Fire-protection cabinets and security fire-protection cabinets.

02/10 10523 FIRE EXTINGUISHERS

Portable and wheeled fire extinguishers.

DIVISION 13 - SPECIAL CONSTRUCTION

03/10 13210 ELEVATED WATER-STORAGE TANKS

Above-ground water storage.

03/10 13220 SURFACE WATER-STORAGE TANKS

Surface-mounted water storage.

N 03/10 13610 HEATING, FLAT-PLATE, SOLAR COLLECTORS

Liquid-type, medium-temperature, glazed solar panels.

03/10 13911 IDENTIFICATION FOR FIRE-SUPPRESSION PIPING AND EQUIPMENT

Labels, stencils, and tags.

03/10 13921 ELECTRIC-DRIVE, CENTRIFUGAL FIRE PUMPS

End-suction, in-line, and split-case fire pumps; accessories, specialties, and flowmeter systems.

03/10 13922 DIESEL-DRIVE, CENTRIFUGAL FIRE PUMPS

End-suction, in-line, and split-case fire pumps; accessories, specialties, and flowmeter systems.

03/10 13926 ELECTRIC-DRIVE, VERTICAL-TURBINE FIRE PUMPS

Fire pumps, accessories, specialties, and flowmeter systems.

03/10 13927 DIESEL-DRIVE, VERTICAL-TURBINE FIRE PUMPS

Fire pumps, accessories, specialties, and flowmeter systems.

03/10 13928 PRESSURE-MAINTENANCE PUMPS

Multistage, regenerative turbine, submersible, and vertical-turbine pumps; pump controllers.

03/10 13929 CONTROLLERS FOR FIRE-PUMP DRIVERS

Full- and limited-service, electric-driver controllers; and diesel-driver controllers

03/10 13930 WET-PIPE FIRE-SUPPRESSION SPRINKLERS

Piping, specialties, valves, and sprinklers for wet-pipe sprinkler systems.

03/10 13935 DRY-PIPE FIRE-SUPPRESSION SPRINKLERS

Piping, specialties, valves, and sprinklers for dry-pipe and preaction sprinkler systems.

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|-------|-------|---|---|
| 03/10 | 13955 | FOAM FIRE EXTINGUISHING | Fixed, low-expansion, AFFF systems for flammable-liquid fires. |
| 03/10 | 13961 | HIGH-PRESSURE CARBON-DIOXIDE FIRE-EXTINGUISHING SYSTEMS | Piping, fittings, and specialties for systems that deliver carbon dioxide for fire extinguishing and suppression. |
| 03/10 | 13962 | LOW-PRESSURE CARBON-DIOXIDE FIRE-EXTINGUISHING SYSTEMS | Piping, fittings, and specialties for systems that deliver carbon dioxide for fire extinguishing and suppression. |
| 03/10 | 13967 | CLEAN-AGENT FIRE-EXTINGUISHING SYSTEMS | Piping, containers, detection and alarms, and controls for clean-agent systems. |
| 03/10 | 13974 | FIRE-SUPPRESSION STANDPIPES | Piping, specialties, valves, hose valves, and hose stations. |

DIVISION 15 - MECHANICAL

| | | | |
|-------|-------|--|---|
| 03/10 | 15056 | COMMON MOTOR REQUIREMENTS FOR FIRE SUPPRESSION EQUIPMENT | Universal default values for small and medium, ac motors. |
| 03/10 | 15057 | COMMON MOTOR REQUIREMENTS FOR PLUMBING EQUIPMENT | Universal default values for small and medium, ac motors. |
| 03/10 | 15058 | COMMON MOTOR REQUIREMENTS FOR HVAC EQUIPMENT | Universal default values for small and medium, ac motors. |
| 03/10 | 15061 | HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT | Single and multiple hangers, framing systems, and stands and supports. |
| 03/10 | 15062 | HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT | Single and multiple hangers, framing systems, and stands and supports. |
| 03/10 | 15072 | VIBRATION AND SEISMIC CONTROLS FOR FIRE-SUPPRESSION PIPING AND EQUIPMENT | Vibration isolation devices and seismic restraints. |
| 03/10 | 15073 | VIBRATION AND SEISMIC CONTROLS FOR PLUMBING PIPING AND EQUIPMENT | Vibration isolation devices and seismic restraints. |
| 03/10 | 15074 | VIBRATION AND SEISMIC CONTROLS FOR HVAC PIPING AND EQUIPMENT | Vibration isolation devices and seismic restraints. |
| 03/10 | 15076 | IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT | Labels, stencils, and tags. |
| 03/10 | 15077 | IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT | Labels, stencils, and tags. |
| 03/10 | 15081 | FIRE-SUPPRESSION SYSTEMS INSULATION | Equipment and pipe insulation. |
| 03/10 | 15084 | PLUMBING EQUIPMENT INSULATION | Insulation materials, jackets, and installation accessories for plumbing equipment. |
| 03/10 | 15085 | PLUMBING PIPING INSULATION | Insulation materials, jackets, and installation accessories for plumbing piping. |
| 03/10 | 15086 | DUCT INSULATION | Insulation materials, jackets, and installation accessories for HVAC ducts. |
| 03/10 | 15087 | HVAC EQUIPMENT INSULATION | Insulation materials, jackets, and installation accessories for HVAC equipment. |
| 03/10 | 15088 | HVAC PIPING INSULATION | Insulation materials, jackets, and installation accessories for HVAC piping. |
| 03/10 | 15091 | SLEEVES AND SLEEVE SEALS FOR FIRE-SUPPRESSION PIPING | Sleeves and sleeve seals for piping at floor and wall penetrations. |
| 03/10 | 15092 | SLEEVES AND SLEEVE SEALS FOR PLUMBING PIPING | Sleeves and sleeve seals for piping at floor and wall penetrations. |
| 03/10 | 15093 | SLEEVES AND SLEEVE SEALS FOR HVAC PIPING | Sleeves and sleeve seals for piping at floor and wall penetrations. |
| 03/10 | 15096 | ESCUTCHEONS FOR FIRE-SUPPRESSION PIPING | Escutcheons and floor plates for piping at ceiling, floor, and wall penetrations. |
| 03/10 | 15097 | ESCUTCHEONS FOR PLUMBING PIPING | Escutcheons and floor plates for piping at ceiling, floor, and wall penetrations. |
| 03/10 | 15098 | ESCUTCHEONS FOR HVAC PIPING | Escutcheons and floor plates for piping at ceiling, floor, and wall penetrations. |
| 03/10 | 15111 | GENERAL-DUTY VALVES FOR PLUMBING PIPING | Gate, globe, check, butterfly, & ball valves common to multiple systems. |

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| 03/10 | 15112 | GENERAL-DUTY VALVES FOR HVAC PIPING | Gate, globe, check, butterfly, & ball valves common to multiple systems. |
| 03/10 | 15123 | EXPANSION FITTINGS AND LOOPS FOR PLUMBING PIPING | Expansion joints and loops. |
| 03/10 | 15124 | EXPANSION FITTINGS AND LOOPS FOR HVAC PIPING | Expansion joints and loops. |
| 03/10 | 15126 | METERS AND GAGES FOR PLUMBING PIPING | Temperature, pressure, and flow. |
| 03/10 | 15127 | METERS AND GAGES FOR HVAC PIPING | Temperature, pressure, and flow. |
| 03/10 | 15140 | DOMESTIC WATER PIPING | Potable-water distribution within the building. |
| 03/10 | 15145 | DOMESTIC WATER PIPING SPECIALTIES | Specialties, valves, and fittings for domestic water piping. |
| 03/10 | 15150 | SANITARY WASTE AND VENT PIPING | Soil, waste, and vent piping within the building. |
| 03/10 | 15155 | SANITARY WASTE PIPING SPECIALTIES | Floor, trench, and channel drains; interceptors; and piping specialties. |
| 03/10 | 15160 | STORM DRAINAGE PIPING | Stormwater piping within the building. |
| 03/10 | 15165 | STORM DRAINAGE PIPING SPECIALTIES | Roof drains, cleanouts, trench drains, channel drains, and piping specialties. |
| 03/10 | 15181 | HYDRONIC PIPING | Hot-, chilled-, and condenser-water piping. |
| 03/10 | 15182 | STEAM AND CONDENSATE PIPING | LP and HP piping and specialties. |
| 03/10 | 15183 | REFRIGERANT PIPING | Piping, specialties, and refrigerant. |
| 03/10 | 15185 | HYDRONIC PUMPS | Base mounted and in-line; close coupled and separately coupled. |
| 03/10 | 15186 | STEAM CONDENSATE PUMPS | Electric driven and pressure powered; single and duplex pumps with receivers. |
| 03/10 | 15189 | HVAC WATER TREATMENT | Steam boiler feedwater and hot-, chilled-, and condenser-water treatment. |
| 03/10 | 15192 | FACILITY FUEL-OIL PIPING | Transfer and storage equipment and piping. |
| 03/10 | 15195 | FACILITY NATURAL-GAS PIPING | Natural gas piping and specialties. |
| 03/10 | 15196 | FACILITY LIQUEFIED-PETROLEUM GAS PIPING | LP gas piping, specialties, and storage equipment. |
| 03/10 | 15211 | GENERAL-SERVICE COMPRESSED-AIR PIPING | Nonmedical piping, equipment, and accessories. |
| 03/10 | 15214 | COMPRESSED-AIR PIPING FOR LABORATORY AND HEALTHCARE FACILITIES | Piping for nonmedical laboratory air, medical air, dental air, instrument air, and medical laboratory air. |
| 03/10 | 15215 | VACUUM PIPING FOR LABORATORY AND HEALTHCARE FACILITIES | Piping for laboratory vacuum, medical surgical vacuum, waste anesthetic gas, dental vacuum, oral evacuation, and healthcare laboratory vacuum. |
| 03/10 | 15216 | GAS PIPING FOR LABORATORY AND HEALTHCARE FACILITIES | Piping for CO ₂ , helium, NO ₂ , and O ₂ . |
| 03/10 | 15217 | MEDICAL GAS ALARMS | Alarms for medical gas systems. |
| 03/10 | 15222 | PROCESSED-WATER PIPING | Pipe, fittings, and specialties for deionized, distilled, and reverse osmosis water. |
| 03/10 | 15223 | CHEMICAL-WASTE SYSTEMS FOR LABORATORY AND HEALTHCARE FACILITIES | Single- and double-wall piping and specialties, neutralization tanks, and leak detection. |
| 03/10 | 15251 | GENERAL-SERVICE PACKAGED AIR COMPRESSORS AND RECEIVERS | Nonmedical air compressors, filters, and dryers. |
| 03/10 | 15253 | COMPRESSED-AIR EQUIPMENT FOR LABORATORY AND HEALTHCARE FACILITIES | Compressors, filters, and dryers. |
| 03/10 | 15254 | VACUUM EQUIPMENT FOR LABORATORY AND HEALTHCARE FACILITIES | Vacuum pumps and oral evacuation equipment. |
| 03/10 | 15411 | MEDICAL PLUMBING FIXTURES | Plumbing fixtures for healthcare facilities. |
| 03/10 | 15412 | EMERGENCY PLUMBING FIXTURES | Individual and combination emergency eyewash and shower units. |
| 03/10 | 15413 | SECURITY PLUMBING FIXTURES | Detention facility plumbing fixtures. |
| 03/10 | 15414 | RESIDENTIAL PLUMBING FIXTURES | Residential water closets, lavatories, sinks, bathtubs, and shower receptors and basins. |

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| 03/10 | 15416 | COMMERCIAL WATER CLOSETS | Commercial water closets, supports, flushometer valves, and supplies. |
| 03/10 | 15417 | COMMERCIAL URINALS | Commercial urinals, supports, and flushometer valves. |
| 03/10 | 15421 | COMMERCIAL LAVATORIES | Commercial lavatories, supports, faucets, traps, and supplies. |
| 03/10 | 15422 | COMMERCIAL SINKS | Commercial sinks, supports, faucets, traps, and supplies. |
| 03/10 | 15423 | COMMERCIAL SHOWERS, RECEPTORS, AND BASINS | Shower receptors, basins, enclosures, faucets, and heads. |
| 03/10 | 15424 | WASH FOUNTAINS | Stone, metal, and plastic wash fountains. |
| 03/10 | 15426 | DRINKING FOUNTAINS | Pedestal, antifreeze pedestal, wheelchair accessible, wall mounted. |
| 03/10 | 15427 | PRESSURE WATER COOLERS | Freestanding, wall mounted, and wheelchair accessible. |
| 03/10 | 15428 | REMOTE WATER COOLERS | Remote water chillers. |
| 03/10 | 15441 | DOMESTIC WATER PUMPS | In-line separately coupled, close-coupled, centrifugal pumps. |
| 03/10 | 15444 | PACKAGED BOOSTER PUMPS | Water-pressure boosters, simplex and multi-plex; constant- and variable speed pumps. |
| 03/10 | 15445 | SEWAGE PUMPS | Effluent pumps; automatic, packaged; basins and covers. |
| 03/10 | 15446 | SUMP PUMPS | Submersible, wet-pit volute, and package drainage-pump units; basins and covers. |
| 03/10 | 15450 | POTABLE-WATER STORAGE TANKS | Water storage; compression and diaphragm. |
| 03/10 | 15469 | WATER SOFTENERS | Domestic and general use, not treatment. |
| 03/10 | 15471 | WATER FILTRATION EQUIPMENT | Separators; and bag, cartridge, carbon, sand, and greensand filters. |
| 03/10 | 15485 | ELECTRIC WATER HEATERS | Household and commercial; tankless, instantaneous, and storage types. |
| 03/10 | 15486 | FUEL-FIRED WATER HEATERS | Household and commercial; gas and oil fired; instantaneous and storage types. |
| 03/10 | 15487 | HEAT EXCHANGERS | Steam and hot-water heat exchangers; instantaneous and storage types. |
| 03/10 | 15512 | CAST-IRON BOILERS | HW and steam; gas and oil fired. |
| 03/10 | 15513 | CONDENSING BOILERS | Packaged condensing boilers for small applications. |
| 03/10 | 15515 | WATER-TUBE BOILERS | HW and steam; gas and oil fired. |
| 03/10 | 15518 | FIRE-TUBE BOILERS | HW and steam; gas and oil fired. |
| 03/10 | 15519 | ELECTRIC BOILERS | HW and steam; HP and LP. |
| 03/10 | 15520 | FEEDWATER EQUIPMENT | Condensate and vacuum pumps and receivers. |
| 03/10 | 15525 | DEAERATORS | Spray, packed column, and package tray. |
| 03/10 | 15530 | FURNACES | Gas-, electric-, and oil-fired furnaces. |
| 03/10 | 15541 | GAS-FIRED DUCT HEATERS | Gas- and oil-fired units. |
| 03/10 | 15542 | GAS-FIRED RADIANT HEATERS | Natural and LP gas units. |
| 03/10 | 15543 | FUEL-FIRED UNIT HEATERS | Gas- and oil-fired units. |
| 03/10 | 15550 | BREECHINGS, CHIMNEYS, AND STACKS | Double-wall and refractory-lined breechings and stacks; fabricated breechings. |
| 03/10 | 15555 | DRAFT CONTROL DEVICES | Induced-draft fans and barometric dampers. |
| 03/10 | 15561 | DIRECT-FIRED H&V UNITS | Gas-fired indoor and outdoor units. |
| 03/10 | 15562 | INDIRECT-FIRED H&V UNITS | Gas- and oil-fired indoor and outdoor units. |
| 03/10 | 15621 | INDIRECT-FIRED ABSORPTION WATER CHILLERS | Steam and hot-water generated; one and two stage. |
| 03/10 | 15622 | DIRECT-FIRED ABSORPTION WATER CHILLERS | Natural-gas, propane, and oil fired; water cooled; two stages; and a brush-cleaning system. |

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| 03/10 | 15625 | CENTRIFUGAL WATER CHILLERS | Hermetic and open; direct and gear drives; water and air cooled. |
| 03/10 | 15626 | ROTARY-SCREW WATER CHILLERS | Water-cooled, single- and multiple-compressor units; air-cooled indoor and outdoor units. |
| 03/10 | 15627 | RECIPROCATING WATER CHILLERS | Water and air cooled. |
| 03/10 | 15629 | SCROLL WATER CHILLERS | Water and air cooled. |
| 03/10 | 15635 | REFRIGERANT DETECTION AND ALARM | Monitors, alarms, breathing apparatus, and ventilation equipment interlocks. |
| 03/10 | 15640 | COOLING TOWERS | Factory-assembled, open- and closed-circuit, induced- and forced-draft, cross- and counter-flow towers. |
| 03/10 | 15663 | EVAPORATIVE CONDENSERS | Induced- and forced-draft evaporative refrigerant condensers. |
| 03/10 | 15671 | PACKAGED COMPRESSOR AND CONDENSER UNITS | Air and water cooled. |
| 03/10 | 15672 | AIR-COOLED REFRIGERANT CONDENSERS | Remote forced-air, condenser, and fan units. |
| 03/10 | 15710 | HYDRONIC AND STEAM HEAT EXCHANGERS | Steam to water and water to water; shell-and-tube and flat-plate types. |
| 03/10 | 15725 | MODULAR INDOOR CENTRAL-STATION AIR-HANDLING UNITS | Units consisting of fans, coils, dampers, filters, control devices, and accessories. |
| 03/10 | 15731 | PACKAGED TERMINAL AIR CONDITIONERS | Freestanding or through-the-wall; cooling only; heat pump; cooling plus hot-water heating, electric heating, and gas-fired heating. |
| 03/10 | 15732 | PACKAGED, OUTDOOR, CENTRAL-STATION AIR-HANDLING UNITS | Packaged, rooftop HVAC. |
| 03/10 | 15733 | DEDICATED OUTDOOR-AIR UNITS | Units capable of 100 percent outdoor air with heating and cooling. |
| 03/10 | 15734 | COMPUTER-ROOM AIR-CONDITIONERS | Floor- and ceiling-mounted console; water and air cooled; electric, hot-water, and steam heat. |
| 03/10 | 15735 | SELF-CONTAINED AIR-CONDITIONERS | Packaged cooling, heating, filters, and controls; cabinet suitable for exposed installations. |
| 03/10 | 15738 | SPLIT-SYSTEM AIR-CONDITIONING UNITS | Air-distribution equipment separate from refrigeration equipment; cabinet suitable for exposed installations. |
| 03/10 | 15745 | WATER-SOURCE HEAT PUMPS | Concealed horizontal and vertical units; vertical-stack, rooftop, exposed-console units; and unit ventilators. |
| 03/10 | 15752 | HUMIDIFIERS | Steam and evaporative types. |
| 03/10 | 15755 | MECHANICAL DEHUMIDIFICATION UNITS | Refrigerant-type mechanical dehumidification equipment. |
| 03/10 | 15761 | AIR COILS | Water, steam, refrigerant, and electric heat-transfer coils. |
| 03/10 | 15762 | UNIT HEATERS | Cabinet and propeller unit heaters, and wall and ceiling heaters. |
| 03/10 | 15763 | FAN-COIL UNITS | Hot water, steam, and electric heating; chilled or DX cooling. |
| 03/10 | 15764 | CONVECTION HEATING UNITS | Hot water, steam, and electric baseboard and finned-tube radiators and convectors. |
| 03/10 | 15768 | UNIT VENTILATORS | Hot water, steam, and electric heating; chilled or DX cooling. |
| 03/10 | 15769 | RADIANT HEATING AND COOLING UNITS | Electric and hot water radiant heaters and heating and cooling panels. |
| 03/10 | 15772 | RADIANT HEATING PIPING | Embedded pipe and fittings. |
| U 03/10 | 15774 | RADIANT-HEATING ELECTRIC CABLES | Electric cables for ceilings and floors, snow and ice melting, and freezer-floor frost prevention. |
| U 03/10 | 15776 | RADIANT-HEATING ELECTRIC PANELS | Factory-fabricated panels. |
| U 03/10 | 15777 | HEAT TRACING FOR FIRE-SUPPRESSION PIPING | Electric cables for freeze protection. |
| U 03/10 | 15778 | HEAT TRACING FOR PLUMBING PIPING | Electric cables for freeze protection, snow and ice melting, and temperature maintenance. |

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| U | 03/10 | 15779 | HEAT TRACING FOR HVAC PIPING | Electric cables for freeze protection. |
| | 03/10 | 15785 | AIR-TO-AIR ENERGY RECOVERY EQUIPMENT | Heat wheels, heat pipes, fixed-plate heat exchangers, and packaged units. |
| | 03/10 | 15815 | METAL DUCTS | Rectangular and round, single- and double-wall ducts, including hangers and supports. |
| | 03/10 | 15816 | NONMETAL DUCTS | Fibrous-glass, PVC, and FRP ducts, hangers, and supports. |
| | 03/10 | 15817 | HVAC CASINGS | Factory and field fabricated; single and double wall. |
| | 03/10 | 15820 | DUCT ACCESSORIES | Volume dampers, fire and smoke dampers, vanes, duct silencers, and hardware. |
| | 03/10 | 15834 | AIR CURTAINS | Fans over entrances with and without heating. |
| | 03/10 | 15836 | AXIAL FANS | Tubeaxial and vaneaxial fans. |
| | 03/10 | 15837 | CENTRIFUGAL FANS | BI & FC indoor type; tubular and in-line units. |
| | 03/10 | 15838 | POWER VENTILATORS | Roof, wall, and ceiling-mounting ventilators. |
| | 03/10 | 15840 | AIR TERMINAL UNITS | Single-duct, dual-duct, fan-powered, induction, and diffuser types. |
| | 03/10 | 15855 | DIFFUSERS, REGISTERS, AND GRILLES | Round, rectangular, perforated, and linear diffusers; fixed and adjustable registers and grilles. |
| | 03/10 | 15856 | INTAKE AND RELIEF VENTILATORS | Unpowered ventilators and louver penthouses. |
| | 03/10 | 15861 | PARTICULATE AIR FILTRATION | Disposable, extended surface, and roll types. |
| | 03/10 | 15862 | GAS-PHASE AIR FILTRATION | Gas adsorbent and rechargeable media, trays and housings, frames, and filter gages. |
| | 03/10 | 15863 | ELECTRONIC AIR CLEANERS | Electronic air cleaners, access housings, service frames, and filter gages. |
| | 03/10 | 15866 | HIGH-EFFICIENCY PARTICULATE FILTRATION | High-efficiency particulate air filters, ultralow-penetration air (ULPA) filters, filter frames, and filter gages. |
| | 03/10 | 15870 | COMMERCIAL KITCHEN HOODS | Type I and Type II, Standard and Listed hoods. |
| | 03/10 | 15890 | AIR DUCT CLEANING | Cleaning HVAC air-distribution equipment, ducts, plenums, air outlets and inlets, and duct accessories. |
| | 03/10 | 15900 | HVAC INSTRUMENTATION AND CONTROLS | Electric, electronic, pneumatic, and DDC equipment and devices. |
| | 03/10 | 15940 | SEQUENCE OF OPERATION | Control sequences for HVAC systems. |
| | 03/10 | 15950 | TESTING, ADJUSTING, AND BALANCING | Air distribution and hydronic systems. |

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