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DIVISION 01 - GENERAL REQUIREMENTS

| | | | |
|-------|-----------|---|--|
| 02/10 | 011000 | SUMMARY | Summary of the Work, phased construction, purchase contracts, Owner-furnished products, access to site, and work restrictions. |
| 02/10 | 011200 | MULTIPLE CONTRACT SUMMARY | Responsibilities of each contract for the Work, coordination, and temporary facilities and controls. |
| 02/10 | 012100 | ALLOWANCES | Provisions for cash allowances including lump-sum, unit cost, contingency, and testing and inspecting allowances. |
| 02/10 | 012200 | UNIT PRICES | Provisions for unit prices. |
| 02/10 | 012300 | ALTERNATES | Provisions for change-of-scope and cost-comparison type alternates. |
| 02/10 | 012500 | SUBSTITUTION PROCEDURES | Procedural requirements for requests for substitutions during construction. |
| 02/10 | 012600 | CONTRACT MODIFICATION PROCEDURES | Procedural requirements for changes to the Contract. |
| 02/10 | 012900 | PAYMENT PROCEDURES | Administrative requirements for Contractor's Applications for Payment. |
| 02/10 | 013100 | PROJECT MANAGEMENT AND COORDINATION | Administrative requirements for project meetings; preconstruction, preinstallation, and project closeout conferences; RFIs; and project Web sites. |
| 02/10 | 013200 | CONSTRUCTION PROGRESS DOCUMENTATION | Contractor's Construction Schedule including Gantt charts and CPM schedules; Contractor's reports. |
| 02/10 | 013233 | PHOTOGRAPHIC DOCUMENTATION | Construction photographs, video recordings, and web-based photographic documentation. |
| 02/10 | 013300 | SUBMITTAL PROCEDURES | Procedures for Action and Informational Submittals including Delegated-Design Submittals and Submittals Schedule. |
| 02/10 | 013591 | HISTORIC TREATMENT PROCEDURES | General protection and treatment of historic spaces; historic removal and dismantling; and bird-excrement removal. |
| 02/10 | 014000 | QUALITY REQUIREMENTS | Quality-assurance and -control requirements, special tests and inspections, and Contractor's quality-control plan. |
| 02/10 | 014200 | REFERENCES | Common definitions and terms; and acronyms and trade names of associations, government agencies, and other entities referenced in MasterSpec. |
| 02/10 | 015000 | TEMPORARY FACILITIES AND CONTROLS | Temporary utilities and facilities for construction support, security, and protection. |
| 02/10 | 016000 | PRODUCT REQUIREMENTS | Administrative and procedural requirements for product, material, and equipment selection and handling; warranties; and comparable products. |
| 02/10 | 017300 | EXECUTION | General requirements for product installation, cutting and patching, protection, field engineering, and progress cleaning. |
| 02/10 | 017419 | CONSTRUCTION WASTE MANAGEMENT AND DISPOSAL | Salvaging, recycling, and disposing of non-hazardous demolition and construction waste. |
| 02/10 | 017700 | CLOSEOUT PROCEDURES | Contract closeout including Substantial Completion and Final Completion procedures, warranties, and final cleaning. |
| 02/10 | 017823 | OPERATION AND MAINTENANCE DATA | Emergency, operation, and maintenance manuals for products and equipment. |
| 02/10 | 017839 | PROJECT RECORD DOCUMENTS | Record record Drawings, Specifications, and Product Data. |
| 02/10 | 017900 | DEMONSTRATION AND TRAINING | Administrative and procedural requirements for instructing Owner's personnel in operation and maintenance. |
| 02/10 | 018113.13 | SUSTAINABLE DESIGN REQUIREMENTS - LEED FOR NEW CONSTRUCTION AND MAJOR RENOVATIONS | General requirements and procedures for LEED for New Construction and Major Renovations. |

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|-------|-----------|---|--|
| 02/10 | 018113.16 | SUSTAINABLE DESIGN REQUIREMENTS - LEED FOR COMMERCIAL INTERIORS | General requirements and procedures for LEED for Commercial Interiors. |
| 02/10 | 018113.19 | SUSTAINABLE DESIGN REQUIREMENTS - LEED FOR CORE AND SHELL DEVELOPMENT | General requirements and procedures for LEED for Core and Shell Development. |
| 02/10 | 018113.23 | SUSTAINABLE DESIGN REQUIREMENTS - LEED FOR SCHOOLS | General requirements and procedures for LEED for Schools. |
| 02/10 | 019113 | GENERAL COMMISSIONING REQUIREMENTS | Administrative requirements and procedures for commissioning all systems. |

DIVISION 02 - EXISTING CONDITIONS

| | | | |
|-------|--------|--------------------------------|---|
| 02/10 | 024116 | STRUCTURE DEMOLITION | Complete structure removal. |
| 02/10 | 024119 | SELECTIVE STRUCTURE DEMOLITION | Demolition and removal of selected portions of buildings and site elements. |

DIVISION 03 - CONCRETE

| | | | |
|-------|--------|--------------------------------------|--|
| 02/10 | 033000 | CAST-IN-PLACE CONCRETE | General building and structural applications; concrete mixtures, formwork, reinforcing, finishing, and curing. |
| 02/10 | 033053 | MISCELLANEOUS CAST-IN-PLACE CONCRETE | Cast-in-place concrete for limited applications. |

DIVISION 05 - METALS

| | | | |
|-------|--------|---------------------------|--|
| 02/10 | 055000 | METAL FABRICATIONS | Metal items (not sheet metal) made from iron and steel shapes, stainless steel, and non-ferrous metals. |
| 02/10 | 055213 | PIPE AND TUBE RAILINGS | Railings fabricated from aluminum, stainless-steel, and steel pipe and tubing. |
| 02/10 | 057300 | DECORATIVE METAL RAILINGS | Ornamental metal railings assembled from either standard or custom components and shapes. Also included are glass- and plastic-supported railings, and illuminated railings. |

DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES

| | | | |
|-------|--------|---------------------------|--|
| 02/10 | 061000 | ROUGH CARPENTRY | Wood framing, furring, grounds, nailers, and blocking. |
| 02/10 | 062013 | EXTERIOR FINISH CARPENTRY | Exposed and nonstructural. |
| 02/10 | 062023 | INTERIOR FINISH CARPENTRY | Exposed and nonstructural. |

DIVISION 07 - THERMAL AND MOISTURE PROTECTION

| | | | |
|-------|--------|-------------------------------|---|
| 02/10 | 073213 | CLAY ROOF TILES | Clay tile roofing; flashing and accessories. |
| 02/10 | 073216 | CONCRETE ROOF TILES | Concrete tile roofing; flashing and accessories. |
| 02/10 | 076200 | SHEET METAL FLASHING AND TRIM | Custom-fabricated roof and wall flashings and roof-drainage systems, and manufactured through-wall flashing and reglets. |
| 02/10 | 077200 | 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 | 078413 | PENETRATION FIRESTOPPING | Systems installed in fire-resistance-rated walls, horizontal assemblies, and smoke barriers. |
| 02/10 | 079200 | JOINT SEALANTS | Elastomeric, latex, solvent-release-curing, preformed, and acoustical sealants. |

DIVISION 08 - OPENINGS

| | | | |
|-------|--------|-------------------------|---|
| 02/10 | 083113 | ACCESS DOORS AND FRAMES | Wall, ceiling, and floor units. |
| 02/10 | 089000 | LOUVERS AND VENTS | Fixed and adjustable louvers; wall vents. |

DIVISION 09 - FINISHES

| | | | |
|-------|--------|------------------------------------|---|
| 02/10 | 099113 | EXTERIOR PAINTING | Exterior painting. |
| 02/10 | 099123 | INTERIOR PAINTING | Interior painting. |
| 02/10 | 099300 | STAINING AND TRANSPARENT FINISHING | For interior and exterior wood. |
| 02/10 | 099600 | HIGH-PERFORMANCE COATINGS | Tile-like coatings for use on exterior and interior substrates. |

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DIVISION 10 - SPECIALTIES

| | | | |
|-------|--------|----------------------------|--|
| 02/10 | 102213 | WIRE MESH PARTITIONS | Standard- and heavy-duty partitions, ceilings, storage lockers, railing insert panels, and equipment barriers. |
| 02/10 | 104413 | FIRE EXTINGUISHER CABINETS | Fire-protection cabinets and security fire-protection cabinets. |
| 02/10 | 104416 | FIRE EXTINGUISHERS | Portable and wheeled fire extinguishers. |

DIVISION 21 - FIRE SUPPRESSION

| | | | | |
|---|-------|--------|--|---|
| | 03/10 | 210513 | COMMON MOTOR REQUIREMENTS FOR FIRE SUPPRESSION EQUIPMENT | Universal default values for small and medium, ac motors. |
| | 03/10 | 210517 | SLEEVES AND SLEEVE SEALS FOR FIRE-SUPPRESSION PIPING | Sleeves and sleeve seals for piping at floor and wall penetrations. |
| | 03/10 | 210518 | ESCUTCHEONS FOR FIRE-SUPPRESSION PIPING | Escutcheons and floor plates for piping at ceiling, floor, and wall penetrations. |
| U | 03/10 | 210533 | HEAT TRACING FOR FIRE-SUPPRESSION PIPING | Electric cables for freeze protection. |
| | 03/10 | 210548 | VIBRATION AND SEISMIC CONTROLS FOR FIRE-SUPPRESSION PIPING AND EQUIPMENT | Vibration isolation devices and seismic restraints. |
| | 03/10 | 210553 | IDENTIFICATION FOR FIRE-SUPPRESSION PIPING AND EQUIPMENT | Labels, stencils, and tags. |
| | 03/10 | 210700 | FIRE-SUPPRESSION SYSTEMS INSULATION | Equipment and pipe insulation. |
| | 03/10 | 211100 | FACILITY FIRE-SUPPRESSION WATER-SERVICE PIPING | Fire suppression piping and specialties outside the building. |
| | 03/10 | 211200 | FIRE-SUPPRESSION STANDPIPES | Piping, specialties, valves, hose valves, and hose stations. |
| | 03/10 | 211313 | WET-PIPE SPRINKLER SYSTEMS | Piping, specialties, valves, and sprinklers for wet-pipe sprinkler systems. |
| | 03/10 | 211316 | DRY-PIPE SPRINKLER SYSTEMS | Piping, specialties, valves, and sprinklers for dry-pipe and preaction sprinkler systems. |
| | 03/10 | 213113 | ELECTRIC-DRIVE, CENTRIFUGAL FIRE PUMPS | End-suction, in-line, and split-case fire pumps; accessories, specialties, and flowmeter systems. |
| | 03/10 | 213116 | DIESEL-DRIVE, CENTRIFUGAL FIRE PUMPS | End-suction, in-line, and split-case fire pumps; accessories, specialties, and flowmeter systems. |
| | 03/10 | 213213 | ELECTRIC-DRIVE, VERTICAL-TURBINE FIRE PUMPS | Fire pumps, accessories, specialties, and flowmeter systems. |
| | 03/10 | 213216 | DIESEL-DRIVE, VERTICAL-TURBINE FIRE PUMPS | Fire pumps, accessories, specialties, and flowmeter systems. |
| | 03/10 | 213400 | PRESSURE-MAINTENANCE PUMPS | Multistage, regenerative turbine, submersible, and vertical-turbine pumps; pump controllers. |
| | 03/10 | 213900 | CONTROLLERS FOR FIRE-PUMP DRIVERS | Full- and limited-service, electric-driver controllers; and deisel-driver controllers |

DIVISION 22 - PLUMBING

| | | | | |
|---|-------|--------|--|---|
| | 03/10 | 220513 | COMMON MOTOR REQUIREMENTS FOR PLUMBING EQUIPMENT | Universal default values for small and medium, ac motors. |
| | 03/10 | 220516 | EXPANSION FITTINGS AND LOOPS FOR PLUMBING PIPING | Expansion joints and loops. |
| | 03/10 | 220517 | SLEEVES AND SLEEVE SEALS FOR PLUMBING PIPING | Sleeves and sleeve seals for piping at floor and wall penetrations. |
| | 03/10 | 220518 | ESCUTCHEONS FOR PLUMBING PIPING | Escutcheons and floor plates for piping at ceiling, floor, and wall penetrations. |
| | 03/10 | 220519 | METERS AND GAGES FOR PLUMBING PIPING | Temperature, pressure, and flow. |
| | 03/10 | 220523 | GENERAL-DUTY VALVES FOR PLUMBING PIPING | Gate, globe, check, butterfly, & ball valves common to multiple systems. |
| | 03/10 | 220529 | HANGERS AND SUPPORTS FOR PLUMBING PIPING AND EQUIPMENT | Single and multiple hangers, framing systems, and stands and supports. |
| U | 03/10 | 220533 | HEAT TRACING FOR PLUMBING PIPING | Electric cables for freeze protection, snow and ice melting, and temperature maintenance. |

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| 03/10 | 220548 | VIBRATION AND SEISMIC CONTROLS FOR PLUMBING PIPING AND EQUIPMENT | Vibration isolation devices and seismic restraints. |
| 03/10 | 220553 | IDENTIFICATION FOR PLUMBING PIPING AND EQUIPMENT | Labels, stencils, and tags. |
| 03/10 | 220716 | PLUMBING EQUIPMENT INSULATION | Insulation materials, jackets, and installation accessories for plumbing equipment. |
| 03/10 | 220719 | PLUMBING PIPING INSULATION | Insulation materials, jackets, and installation accessories for plumbing piping. |
| 03/10 | 221113 | FACILITY WATER DISTRIBUTION PIPING | Utility service, domestic, and fire-protection water, specialties, and valves. |
| 03/10 | 221116 | DOMESTIC WATER PIPING | Potable-water distribution within the building. |
| 03/10 | 221119 | DOMESTIC WATER PIPING SPECIALTIES | Specialties, valves, and fittings for domestic water piping. |
| 03/10 | 221123 | DOMESTIC WATER PUMPS | In-line separately coupled, close-coupled, centrifugal pumps. |
| 03/10 | 221223 | FACILITY INDOOR POTABLE-WATER STORAGE TANKS | Water storage; compression and diaphragm. |
| 03/10 | 221313 | FACILITY SANITARY SEWERS | Sanitary sewerage and underground structures outside the building. |
| 03/10 | 221316 | SANITARY WASTE AND VENT PIPING | Soil, waste, and vent piping within the building. |
| 03/10 | 221319 | SANITARY WASTE PIPING SPECIALTIES | Floor, trench, and channel drains; interceptors; and piping specialties. |
| 03/10 | 221329 | SANITARY SEWERAGE PUMPS | Effluent pumps; automatic, packaged; basins and covers. |
| 03/10 | 221413 | FACILITY STORM DRAINAGE PIPING | Stormwater piping within the building. |
| 03/10 | 221423 | STORM DRAINAGE PIPING SPECIALTIES | Roof drains, cleanouts, trench drains, channel drains, and piping specialties. |
| 03/10 | 221429 | SUMP PUMPS | Submersible, wet-pit volute, and package drainage-pump units; basins and covers. |
| 03/10 | 221513 | GENERAL-SERVICE COMPRESSED-AIR PIPING | Nonmedical piping, equipment, and accessories. |
| 03/10 | 221519 | GENERAL-SERVICE PACKAGED AIR COMPRESSORS AND RECEIVERS | Nonmedical air compressors, filters, and dryers. |
| 03/10 | 223100 | DOMESTIC WATER SOFTENERS | Domestic and general use, not treatment. |
| 03/10 | 223200 | DOMESTIC WATER FILTRATION EQUIPMENT | Separators; and bag, cartridge, carbon, sand, and greensand filters. |
| 03/10 | 223300 | ELECTRIC, DOMESTIC-WATER HEATERS | Household and commercial; tankless, instantaneous, and storage types. |
| 03/10 | 223400 | FUEL-FIRED, DOMESTIC-WATER HEATERS | Household and commercial; gas and oil fired; instantaneous and storage types. |
| 03/10 | 224100 | RESIDENTIAL PLUMBING FIXTURES | Residential water closets, lavatories, sinks, bathtubs, and shower receptors and basins. |
| 03/10 | 224213.13 | COMMERCIAL WATER CLOSETS | Commercial water closets, supports, flushometer valves, and supplies. |
| 03/10 | 224213.16 | COMMERCIAL URINALS | Commercial urinals, supports, and flushometer valves. |
| 03/10 | 224216.13 | COMMERCIAL LAVATORIES | Commercial lavatories, supports, faucets, traps, and supplies. |
| 03/10 | 224216.16 | COMMERCIAL SINKS | Commercial sinks, supports, faucets, traps, and supplies. |
| 03/10 | 224223 | COMMERCIAL SHOWERS, RECEPTORS, AND BASINS | Shower receptors, basins, enclosures, faucets, and heads. |
| 03/10 | 224233 | WASH FOUNTAINS | Stone, metal, and plastic wash fountains. |
| 03/10 | 224300 | MEDICAL PLUMBING FIXTURES | Plumbing fixtures for healthcare facilities. |
| 03/10 | 224500 | EMERGENCY PLUMBING FIXTURES | Individual and combination emergency eyewash and shower units. |

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| 03/10 | 224713 | DRINKING FOUNTAINS | Pedestal, antifreeze pedestal, wheelchair accessible, wall mounted. |
| 03/10 | 224716 | PRESSURE WATER COOLERS | Freestanding, wall mounted, and wheelchair accessible. |
| 03/10 | 224723 | REMOTE WATER COOLERS | Remote water chillers. |

DIVISION 23 - HEATING VENTILATING AND AIR CONDITIONING

| | | | | |
|---|-------|-----------|--|---|
| | 03/10 | 230513 | COMMON MOTOR REQUIREMENTS FOR HVAC EQUIPMENT | Universal default values for small and medium, ac motors. |
| | 03/10 | 230516 | EXPANSION FITTINGS AND LOOPS FOR HVAC PIPING | Expansion joints and loops. |
| | 03/10 | 230517 | SLEEVES AND SLEEVE SEALS FOR HVAC PIPING | Sleeves and sleeve seals for piping at floor and wall penetrations. |
| | 03/10 | 230518 | ESCUTCHEONS FOR HVAC PIPING | Escutcheons and floor plates for piping at ceiling, floor, and wall penetrations. |
| | 03/10 | 230519 | METERS AND GAGES FOR HVAC PIPING | Temperature, pressure, and flow. |
| | 03/10 | 230523 | GENERAL-DUTY VALVES FOR HVAC PIPING | Gate, globe, check, butterfly, & ball valves common to multiple systems. |
| | 03/10 | 230529 | HANGERS AND SUPPORTS FOR HVAC PIPING AND EQUIPMENT | Single and multiple hangers, framing systems, and stands and supports. |
| U | 03/10 | 230533 | HEAT TRACING FOR HVAC PIPING | Electric cables for freeze protection. |
| | 03/10 | 230548 | VIBRATION AND SEISMIC CONTROLS FOR HVAC PIPING AND EQUIPMENT | Vibration isolation devices and seismic restraints. |
| | 03/10 | 230553 | IDENTIFICATION FOR HVAC PIPING AND EQUIPMENT | Labels, stencils, and tags. |
| | 03/10 | 230593 | TESTING, ADJUSTING, AND BALANCING FOR HVAC | Air distribution and hydronic systems. |
| | 03/10 | 230713 | DUCT INSULATION | Insulation materials, jackets, and installation accessories for HVAC ducts. |
| | 03/10 | 230716 | HVAC EQUIPMENT INSULATION | Insulation materials, jackets, and installation accessories for HVAC equipment. |
| | 03/10 | 230719 | HVAC PIPING INSULATION | Insulation materials, jackets, and installation accessories for HVAC piping. |
| | 03/10 | 230800 | COMMISSIONING OF HVAC | Administrative requirements and procedures for commissioning HVAC systems. |
| | 03/10 | 230900 | INSTRUMENTATION AND CONTROL FOR HVAC | Electric, electronic, pneumatic, and DDC equipment and devices. |
| | 03/10 | 230993 | SEQUENCE OF OPERATIONS FOR HVAC CONTROLS | Control sequences for HVAC systems. |
| | 03/10 | 231113 | FACILITY FUEL-OIL PIPING | Transfer and storage equipment and piping. |
| | 03/10 | 231123 | FACILITY NATURAL-GAS PIPING | Natural gas piping and specialties. |
| | 03/10 | 231126 | FACILITY LIQUEFIED-PETROLEUM GAS PIPING | LP gas piping, specialties, and storage equipment. |
| | 03/10 | 232113 | HYDRONIC PIPING | Hot-, chilled-, and condenser-water piping. |
| | 03/10 | 232113.33 | GROUND-LOOP HEAT-PUMP PIPING | Horizontal and vertical, direct-buried, ground-loop piping. |
| | 03/10 | 232123 | HYDRONIC PUMPS | Base mounted and in-line; close coupled and separately coupled. |
| | 03/10 | 232213 | STEAM AND CONDENSATE HEATING PIPING | LP and HP piping and specialties. |
| | 03/10 | 232223 | STEAM CONDENSATE PUMPS | Electric driven and pressure powered; single and duplex pumps with receivers. |
| | 03/10 | 232300 | REFRIGERANT PIPING | Piping, specialties, and refrigerant. |
| | 03/10 | 232500 | HVAC WATER TREATMENT | Steam boiler feedwater and hot-, chilled-, and condenser-water treatment. |
| | 03/10 | 233113 | METAL DUCTS | Rectangular and round, single- and double-wall ducts, including hangers and supports. |
| | 03/10 | 233116 | NONMETAL DUCTS | Fibrous-glass, PVC, and FRP ducts, hangers, and supports. |
| | 03/10 | 233119 | HVAC CASINGS | Factory and field fabricated; single and double wall. |

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| 03/10 | 233300 | AIR DUCT ACCESSORIES | Volume dampers, fire and smoke dampers, vanes, duct silencers, and hardware. |
| 03/10 | 233413 | AXIAL HVAC FANS | Tubeaxial and vaneaxial fans. |
| 03/10 | 233416 | CENTRIFUGAL HVAC FANS | BI & FC indoor type; tubular and in-line units. |
| 03/10 | 233423 | HVAC POWER VENTILATORS | Roof, wall, and ceiling-mounting ventilators. |
| 03/10 | 233433 | AIR CURTAINS | Fans over entrances with and without heating. |
| 03/10 | 233600 | AIR TERMINAL UNITS | Single-duct, dual-duct, fan-powered, induction, and diffuser types. |
| 03/10 | 233713 | DIFFUSERS, REGISTERS, AND GRILLES | Round, rectangular, perforated, and linear diffusers; fixed and adjustable registers and grilles. |
| 03/10 | 233723 | HVAC GRAVITY VENTILATORS | Unpowered ventilators and louver penthouses. |
| 03/10 | 233813 | COMMERCIAL-KITCHEN HOODS | Type I and Type II, Standard and Listed hoods. |
| 03/10 | 234100 | PARTICULATE AIR FILTRATION | Disposable, extended surface, and roll types. |
| 03/10 | 234200 | GAS-PHASE AIR FILTRATION | Gas adsorbent and rechargeable media, trays and housings, frames, and filter gages. |
| 03/10 | 234300 | ELECTRONIC AIR CLEANERS | Electronic air cleaners, access housings, service frames, and filter gages. |
| 03/10 | 235100 | BREECHINGS, CHIMNEYS, AND STACKS | Double-wall and refractory-lined breechings and stacks; fabricated breechings. |
| 03/10 | 235113 | DRAFT CONTROL DEVICES | Induced-draft fans and barometric dampers. |
| 03/10 | 235213 | ELECTRIC BOILERS | HW and steam; HP and LP. |
| 03/10 | 235216 | CONDENSING BOILERS | Packaged condensing boilers for small applications. |
| 03/10 | 235223 | CAST-IRON BOILERS | HW and steam; gas and oil fired. |
| 03/10 | 235233 | WATER-TUBE BOILERS | HW and steam; gas and oil fired. |
| 03/10 | 235239 | FIRE-TUBE BOILERS | HW and steam; gas and oil fired. |
| 03/10 | 235313 | BOILER FEEDWATER PUMPS | Condensate and vacuum pumps and receivers. |
| 03/10 | 235400 | FURNACES | Gas-, electric-, and oil-fired furnaces. |
| 03/10 | 235513 | FUEL-FIRED DUCT HEATERS | Gas- and oil-fired units. |
| 03/10 | 235523 | GAS-FIRED RADIANT HEATERS | Natural and LP gas units. |
| 03/10 | 235533 | FUEL-FIRED UNIT HEATERS | Gas- and oil-fired units. |
| 03/10 | 235700 | HEAT EXCHANGERS FOR HVAC | Steam to water and water to water; shell-and-tube and flat-plate types. |
| 03/10 | 236200 | PACKAGED COMPRESSOR AND CONDENSER UNITS | Air and water cooled. |
| 03/10 | 236313 | AIR-COOLED REFRIGERANT CONDENSERS | Remote forced-air, condenser, and fan units. |
| 03/10 | 236333 | EVAPORATIVE REFRIGERANT CONDENSERS | Induced- and forced-draft evaporative refrigerant condensers. |
| 03/10 | 236413.13 | DIRECT-FIRED ABSORPTION WATER CHILLERS | Natural-gas, propane, and oil fired; water cooled; two stages; and a brush-cleaning system. |
| 03/10 | 236413.16 | INDIRECT-FIRED ABSORPTION WATER CHILLERS | Steam and hot-water generated; one and two stage. |
| 03/10 | 236416 | CENTRIFUGAL WATER CHILLERS | Hermetic and open; direct and gear drives; water and air cooled. |
| 03/10 | 236419 | RECIPROCATING WATER CHILLERS | Water and air cooled. |
| 03/10 | 236423 | SCROLL WATER CHILLERS | Water and air cooled. |
| 03/10 | 236426 | ROTARY-SCREW WATER CHILLERS | Water-cooled, single- and multiple-compressor units; air-cooled indoor and outdoor units. |
| 03/10 | 236500 | COOLING TOWERS | Factory-assembled, open- and closed-circuit, induced- and forced-draft, cross- and counter-flow towers. |
| 03/10 | 237313 | MODULAR INDOOR CENTRAL-STATION AIR-HANDLING UNITS | Units consisting of fans, coils, dampers, filters, control devices, and accessories. |
| 03/10 | 237333 | INDIRECT-FIRED H&V UNITS | Gas- and oil-fired indoor and outdoor units. |
| 03/10 | 237339 | DIRECT-FIRED H&V UNITS | Gas-fired indoor and outdoor units. |

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|---|--------------|---|---|
| | 03/10 237413 | PACKAGED, OUTDOOR, CENTRAL-STATION AIR-HANDLING UNITS | Packaged, rooftop HVAC. |
| | 03/10 237433 | DEDICATED OUTDOOR-AIR UNITS | Units capable of 100 percent outdoor air with heating and cooling. |
| | 03/10 238113 | 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 238119 | SELF-CONTAINED AIR-CONDITIONERS | Packaged cooling, heating, filters, and controls; cabinet suitable for exposed installations. |
| | 03/10 238123 | COMPUTER-ROOM AIR-CONDITIONERS | Floor- and ceiling-mounted console; water and air cooled; electric, hot-water, and steam heat. |
| | 03/10 238126 | SPLIT-SYSTEM AIR-CONDITIONERS | Air-distribution equipment separate from refrigeration equipment; cabinet suitable for exposed installations. |
| | 03/10 238146 | WATER-SOURCE UNITARY HEAT PUMPS | Concealed horizontal and vertical units; vertical-stack, rooftop, exposed-console units; and unit ventilators. |
| | 03/10 238213 | VALANCE HEATING AND COOLING UNITS | Electric and hot water radiant heaters and heating and cooling panels. |
| | 03/10 238216 | AIR COILS | Water, steam, refrigerant, and electric heat-transfer coils. |
| | 03/10 238219 | FAN COIL UNITS | Hot water, steam, and electric heating; chilled or DX cooling. |
| | 03/10 238223 | UNIT VENTILATORS | Hot water, steam, and electric heating; chilled or DX cooling. |
| | 03/10 238233 | CONVECTORS | Hot water, steam, and electric baseboard and finned-tube radiators and convectors. |
| | 03/10 238239 | UNIT HEATERS | Cabinet and propeller unit heaters, and wall and ceiling heaters. |
| U | 03/10 238313 | RADIANT-HEATING ELECTRIC CABLES | Electric cables for ceilings and floors, snow and ice melting, and freezer-floor frost prevention. |
| | 03/10 238316 | RADIANT-HEATING HYDRONIC PIPING | Embedded pipe and fittings. |
| U | 03/10 238323 | RADIANT-HEATING ELECTRIC PANELS | Factory-fabricated panels. |

DIVISION 26 - ELECTRICAL

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| | 03/10 260519 | LOW-VOLTAGE ELECTRICAL POWER CONDUCTORS AND CABLES | Electrical power distribution (600 V and less). |
| | 03/10 260519.13 | UNDERCARPET ELECTRICAL POWER CABLES | Power and communication cables. |
| | 03/10 260523 | CONTROL-VOLTAGE ELECTRICAL POWER CABLES | UTP, optical fiber, and low-voltage control circuit conductors and cables. |
| | 03/10 260526 | GROUNDING AND BONDING FOR ELECTRICAL SYSTEMS | Methods and materials for grounding systems and equipment. |
| | 03/10 260529 | HANGERS AND SUPPORTS FOR ELECTRICAL SYSTEMS | Hangers, supports, and concrete bases. |
| | 03/10 260533 | RACEWAYS AND BOXES FOR ELECTRICAL SYSTEMS | Conduit; pull, junction, and outlet boxes; and electrical cabinets. |
| | 03/10 260536 | CABLE TRAYS FOR ELECTRICAL SYSTEMS | Ladder, trough, and single-rail types; steel, aluminum, stainless steel, and fiberglass. |
| | 03/10 260544 | SLEEVES AND SLEEVE SEALS FOR ELECTRICAL RACEWAYS AND CABLING | Sleeves and seals for penetrations through floors and walls. |
| | 03/10 260548 | VIBRATION AND SEISMIC CONTROLS FOR ELECTRICAL SYSTEMS | Vibration isolation devices and seismic restraints. |
| | 03/10 260553 | IDENTIFICATION FOR ELECTRICAL SYSTEMS | Labels, markers, tags, ties, tape, bands, and signs. |
| | 03/10 260913 | ELECTRICAL POWER MONITORING AND CONTROL | Remote and local monitoring, metering, and control of individual circuits. |
| | 03/10 260923 | LIGHTING CONTROL DEVICES | Time switches, photoelectric relays, occupancy sensors, and multipole lighting controls. |
| | 03/10 262200 | LOW-VOLTAGE TRANSFORMERS | General purpose and specialty dry type. |

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| | | | |
|---|-----------|---|--|
| 03/10 | 262413 | SWITCHBOARDS | Service and distribution switchboards, 600V and less. |
| 03/10 | 262416 | PANELBOARDS | Distribution, branch circuit, and TVSS panel boards and load centers. |
| 03/10 | 262419 | MOTOR-CONTROL CENTERS | Full-reduced-voltage; for constant-, variable-, and multiple-speed motors; 600 V. |
| 03/10 | 262500 | ENCLOSED BUS ASSEMBLIES | Plug in & feeder (600 V or less). |
| 03/10 | 262713 | ELECTRICITY METERING | Energy and demand metering by utility and Owner. |
| 03/10 | 262726 | WIRING DEVICES | Switches, receptacles, lighting-control devices, and plates. |
| 03/10 | 262813 | FUSES | Cartridge type (600 V and less); plug type (125 V and less); fuse adapters; spare-fuse cabinet. |
| 03/10 | 262816 | ENCLOSED SWITCHES AND CIRCUIT BREAKERS | Fusible, nonfusible, receptacle, shunt trip, and molded-case switches; molded-case circuit breakers; enclosures. |
| 03/10 | 262913 | ENCLOSED CONTROLLERS | Full-voltage manual and magnetic; reduced-voltage magnetic and solid state; multispeed. |
| 03/10 | 262923 | VARIABLE-FREQUENCY MOTOR CONTROLLERS | Solid-state, pulse-width modulated, constant- and variable-torque; 600 V. |
| 03/10 | 263213 | ENGINE GENERATORS | Diesel- and gas-engine-driven types. |
| 03/10 | 263353 | STATIC UNINTERRUPTIBLE POWER SUPPLY | 3-phase, on-line, double conversion units rated 5 to 750 kVA for systems (600 V and less). |
| 03/10 | 263600 | TRANSFER SWITCHES | Automatic, nonautomatic, and bypass/isolation. |
| 03/10 | 264113 | LIGHTNING PROTECTION FOR STRUCTURES | Protection for buildings and site components. |
| 03/10 | 264313 | TRANSIENT-VOLTAGE SUPPRESSION FOR LOW-VOLTAGE ELECTRICAL POWER CIRCUITS | Field-mounted TVSS for 120 to 600 V. |
| 03/10 | 265100 | INTERIOR LIGHTING | Interior fixtures, lamps, and ballasts; emergency lighting; exit signs. |
| 03/10 | 265600 | EXTERIOR LIGHTING | Exterior luminaires including poles and standards. |
| DIVISION 27 - COMMUNICATIONS | | | |
| 03/10 | 270528 | PATHWAYS FOR COMMUNICATIONS SYSTEMS | Conduits, wireways, surface pathways, boxes and enclosures, and handholes and boxes. |
| 03/10 | 270536 | CABLE TRAYS FOR COMMUNICATIONS SYSTEMS | Ladder, trough wire basket, and single-rail type; steel, aluminum, stainless steel, and fiberglass. |
| 03/10 | 270544 | SLEEVES AND SLEEVE SEALS FOR COMMUNICATIONS PATHWAYS AND CABLING | Sleeves and seals for penetrations through floors and walls. |
| 03/10 | 271100 | COMMUNICATIONS EQUIPMENT ROOM FITTINGS | Telecommunications mounting equipment, and grounding. |
| 03/10 | 271300 | COMMUNICATIONS BACKBONE CABLING | Pathways, cables, connecting hardware, and cable identification systems. |
| 03/10 | 271500 | COMMUNICATIONS HORIZONTAL CABLING | Cables, MUTOAs, connecting hardware, and identification and administration systems. |
| 03/10 | 274133 | MASTER ANTENNA TELEVISION SYSTEM | MATV with options for off-air antennas, CATV, or broadcast satellite service. |
| 03/10 | 275116 | PUBLIC ADDRESS AND MASS NOTIFICATION SYSTEMS | Equipment, cabling, and raceways. |
| 03/10 | 275119 | SOUND MASKING SYSTEMS | Electronic noise generators, amplifiers, speakers, and controls. |
| 03/10 | 275123 | INTERCOMMUNICATIONS AND PROGRAM SYSTEMS | Manually-switched and microprocessor-switched systems. |
| 03/10 | 275123.50 | EDUCATIONAL INTERCOMMUNICATIONS AND PROGRAM SYSTEMS | Manually and microprocessor-switched systems. |
| 03/10 | 275313 | CLOCK SYSTEMS | Master and secondary clocks and signal devices; interface with intercom and public address systems. |
| DIVISION 28 - ELECTRONIC SAFETY AND SECURITY | | | |

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|-------|--------|--|--|
| 03/10 | 280513 | CONDUCTORS AND CABLES FOR ELECTRONIC SAFETY AND SECURITY | UTP, fiber-optic, coaxial, RS-232, and RS-485 cables, connecting hardware, and identification systems. |
| 03/10 | 280528 | PATHWAYS FOR ELECTRONIC SAFETY AND SECURITY | Conduits, wireways, surface pathways, boxes and enclosures, and handholes and boxes. |
| 03/10 | 280544 | SLEEVES AND SLEEVE SEALS FOR ELECTRONIC SAFETY AND SECURITY PATHWAYS AND CABLING | Sleeves and seals for penetrations through floors and walls. |
| 03/10 | 283111 | DIGITAL, ADDRESSABLE FIRE-ALARM SYSTEM | Systems with addressable initiating devices and conventional or addressable notification appliances. |
| 03/10 | 283112 | ZONED (DC LOOP) FIRE-ALARM SYSTEM | Small systems for buildings relying on zoned fire-alarm concept. |
| 03/10 | 283500 | REFRIGERANT DETECTION AND ALARM | Monitors, alarms, breathing apparatus, and ventilation equipment interlocks. |

DIVISION 31 - EARTHWORK

| | | | |
|-------|--------|---------------|--|
| 02/10 | 311000 | SITE CLEARING | Clearing, grubbing, vegetation protection, topsoil stripping, and disconnecting utilities. |
| 02/10 | 312000 | EARTH MOVING | Excavating, filling and backfilling, compaction, and grading. |
| 02/10 | 312319 | DEWATERING | Construction dewatering and groundwater controls. |

DIVISION 32 - EXTERIOR IMPROVEMENTS

| | | | |
|-------|--------|-----------------------------|---|
| 02/10 | 321216 | ASPHALT PAVING | Paving, overlays, and surface treatments. |
| 02/10 | 321313 | CONCRETE PAVING | Concrete paving for site construction applications. |
| 02/10 | 321400 | UNIT PAVING | Brick, asphalt, concrete, and rough stone pavers on aggregate, mortar, and bituminous setting beds. |
| 02/10 | 323113 | CHAIN LINK FENCES AND GATES | Standard chain-link fencing systems. |
| 02/10 | 328400 | PLANTING IRRIGATION | Heads, pipes, and controls. |

DIVISION 33 - UTILITIES

| | | | |
|-------|--------|-----------------------------------|---|
| 03/10 | 330500 | COMMON WORK RESULTS FOR UTILITIES | Basic piping materials and methods. |
| 03/10 | 334100 | STORM UTILITY DRAINAGE PIPING | Gravity and forced storm piping, underground structures, and specialties. |
| 03/10 | 334600 | SUBDRAINAGE | Drainage for foundations, underslabs, plaza decks, retaining walls, and landscaped areas. |

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