

MASTERSPEC®

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DIVISION 1 - GENERAL REQUIREMENTS

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|---|-------------|---|---|
| | 3/03 01000 | GENERAL REQUIREMENTS | Evaluations for all Division 1 Sections. |
| R | 11/02 01100 | SUMMARY | Summary of the Work, Work phases, products ordered in advance, Owner-furnished products, use of premises, and work restrictions. |
| | 11/02 01125 | SUMMARY OF MULTIPLE CONTRACTS | Responsibilities of each contract for the Work, coordination, and temporary facilities and controls. |
| | 11/02 01210 | ALLOWANCES | Provisions for allowances. |
| | 11/02 01230 | ALTERNATES | Provisions for alternates. |
| | 11/02 01250 | CONTRACT MODIFICATION PROCEDURES | Procedural requirements for changing the Contract. |
| | 11/02 01270 | UNIT PRICES | Provisions for unit prices. |
| | 11/02 01290 | PAYMENT PROCEDURES | Administrative requirements for payment. |
| | 8/04 01310 | PROJECT MANAGEMENT AND COORDINATION | Administrative requirements for project meetings and coordination. |
| | 11/02 01320 | CONSTRUCTION PROGRESS DOCUMENTATION | Contractor's Construction Schedule, Submittals Schedule, and reports. |
| | 11/02 01322 | PHOTOGRAPHIC DOCUMENTATION | Construction photographs and videotapes. |
| R | 11/02 01330 | SUBMITTAL PROCEDURES | Procedures for submitting Action, Informational, and Delegated-Design Submittals. |
| | 5/02 01351 | SPECIAL PROCEDURES FOR HISTORIC TREATMENT | Storage, temporary protection, and procedures. |
| U | 5/06 01352 | LEED REQUIREMENTS | General requirements and procedures for LEED prerequisites and credits. |
| | 11/02 01400 | QUALITY REQUIREMENTS | Quality-assurance and -control requirements and special inspections. |
| | 11/05 01420 | REFERENCES | Common definitions and terms; and acronyms and trade names of associations, government agencies, and other entities referenced in MASTERSPEC. |
| R | 11/02 01500 | TEMPORARY FACILITIES AND CONTROLS | Temporary utilities and facilities for support, security, and protection. |
| R | 2/03 01524 | CONSTRUCTION WASTE MANAGEMENT | Salvaging, recycling, and disposing of construction waste. |
| | 11/02 01600 | PRODUCT REQUIREMENTS | Administrative and procedural requirements for product selection and handling, warranties, and product substitutions. |
| | 11/02 01700 | EXECUTION REQUIREMENTS | Field engineering, progress cleaning, and general requirements for product installation. |
| R | 11/02 01731 | CUTTING AND PATCHING | Special procedures. |
| R | 11/02 01732 | SELECTIVE DEMOLITION | Demolition and removal of selected portions of buildings and site elements. |
| | 11/02 01770 | CLOSEOUT PROCEDURES | Administrative and procedural requirements for Contract closeout. |
| | 11/02 01781 | PROJECT RECORD DOCUMENTS | Record Drawings, Specifications, and Product Data. |
| | 11/02 01782 | OPERATION AND MAINTENANCE DATA | Emergency, operation, and maintenance manuals for products and equipment. |
| | 12/05 01810 | GENERAL COMMISSIONING REQUIREMENTS | Administrative requirements and procedures for commissioning all systems. |
| | 11/02 01820 | DEMONSTRATION AND TRAINING | Administrative and procedural requirements for instructing Owner's personnel. |

DIVISION 2 - SITE CONSTRUCTION

| | | | |
|--|-------------|---|---|
| | 6/04 02080 | PIPED UTILITIES - BASIC MATERIALS AND METHODS | Basic piping materials and methods. |
| | 12/01 02085 | INTERCEPTORS | Grease, oil, and sediment interceptors for sewerage systems outside the building. |
| | 5/04 02221 | BUILDING DEMOLITION | Complete structure removal. |
| | 11/01 02230 | SITE CLEARING | Clearing and grubbing, and topsoil removal. |
| | 11/01 02231 | TREE PROTECTION AND TRIMMING | Extensive work. |
| | 8/05 02240 | DEWATERING | Construction dewatering and groundwater controls. |
| | 8/05 02260 | EXCAVATION SUPPORT AND PROTECTION | Soldier piles and lagging, sheet piling, and tiebacks. |

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| 2/02 | 02300 | EARTHWORK | Excavating, filling, and grading. | |
| 5/02 | 02361 | TERMITE CONTROL | Control by treatment of soil with termiticides, installation of bait stations to dispense termiticides, and installation of permanent metal mesh barriers. | |
| 8/01 | 02455 | DRIVEN PILES | Evaluations for Sections 02456, 02457, 02458, and 02459. | |
| 8/01 | 02456 | CONCRETE-FILLED STEEL PILES | Concrete-filled steel shell and steel pipe piles. | |
| 8/01 | 02457 | PRESTRESSED CONCRETE PILES | Solid and hollow, prestressed, precast concrete piles. | |
| 8/01 | 02458 | STEEL H PILES | Steel H-section piles and protective coatings. | |
| 8/01 | 02459 | TIMBER PILES | Preservative-treated round timber piles. | |
| 8/05 | 02466 | DRILLED PIERS | Dry-installed and slurry-displacement-installed types. | |
| 3/04 | 02510 | WATER DISTRIBUTION | Utility service, domestic, and fire-protection water. | |
| 3/04 | 02525 | WATER SUPPLY WELLS | Drilled and driven wells and well pumps. | |
| 12/01 | 02530 | SANITARY SEWERAGE | Sanitary sewerage and underground structures outside the building. | |
| 3/04 | 02532 | PACKAGED SEWAGE PUMPING STATIONS | Pump, compressor, tank, and controls. | |
| 12/02 | 02540 | SEPTIC TANK SYSTEMS | Tank, distribution box, and drainage pipe. | |
| 3/03 | 02552 | GROUND-LOOP, HEAT-PUMP PIPING | Horizontal and vertical, direct-buried, ground-loop piping. | |
| 12/03 | 02584 | UNDERGROUND DUCTS AND UTILITY STRUCTURES | Manholes, handholes, and underground ducts. | |
| 3/03 | 02620 | SUBDRAINAGE | Drainage for foundations, underslabs, plaza decks, retaining walls, and landscaped areas. | |
| 12/01 | 02630 | STORM DRAINAGE | Gravity and forced storm piping and underground structures. | |
| 11/02 | 02666 | POND AND RESERVOIR LINERS | Geomembrane liners and covers. | |
| 8/05 | 02741 | ASPHALT PAVING | Paving, overlays, and surface treatments. | |
| 2/02 | 02751 | CEMENT CONCRETE PAVEMENT | General applications. | |
| 5/02 | 02764 | PAVEMENT JOINT SEALANTS | Sealants for concrete and asphalt pavement joints. | |
| 8/02 | 02768 | DECORATIVE CEMENT CONCRETE PAVEMENT | Surface-imprinted, stamped, stencil-patterned, or stained finish concrete pavement. | |
| 8/03 | 02780 | UNIT PAVERS | Brick, asphalt, concrete, and rough stone pavers. | |
| R | 8/04 | 02781 | POROUS UNIT PAVING | Concrete, grid-type and interlocking type with openings between units. |
| 8/03 | 02791 | PLAYGROUND SURFACE SYSTEMS | Impact-attenuating, protective surface systems designed for use under public playground equipment. | |
| 12/05 | 02810 | IRRIGATION SYSTEMS | Heads, pipes, and controls. | |
| 8/02 | 02821 | CHAIN-LINK FENCES AND GATES | Standard chain-link fencing systems. | |
| 8/02 | 02822 | HIGH-SECURITY CHAIN-LINK FENCES AND GATES | High-security chain-link fencing systems. | |
| 8/05 | 02826 | ORNAMENTAL METAL FENCES AND GATES | Manufactured and custom-designed types. | |
| 8/05 | 02832 | SEGMENTAL RETAINING WALLS | Dry-laid concrete masonry unit walls. | |
| 2/04 | 02870 | SITE FURNISHINGS | Seating, tables, bicycle racks and lockers, trash and ash receptacles, planters, and bollards for outdoor locations. | |
| R | 8/03 | 02881 | PLAYGROUND EQUIPMENT AND STRUCTURES | Public playground equipment. |
| 2/06 | 02920 | LAWNS AND GRASSES | Seeded, sodded, plugged, and sprigged turf and meadows; planting soils; pesticides; erosion-control materials; turf renovation; and grass paving. | |
| 2/06 | 02930 | EXTERIOR PLANTS | Plants, planting soils, pesticides, tree-stabilization materials, edgings, and tree grates. | |
| DIVISION 3 - CONCRETE | | | | |
| R | 8/02 | 03300 | CAST-IN-PLACE CONCRETE | General building and structural applications. |
| R | 8/02 | 03301 | CAST-IN-PLACE CONCRETE (LIMITED APPLICATIONS) | Limited applications for smaller projects. |
| R | 8/02 | 03331 | CAST-IN-PLACE ARCHITECTURAL CONCRETE | Specially formed, placed, and finished architectural concrete. |
| R | 11/03 | 03371 | SHOTCRETE | Pneumatically applied concrete, dry- or wet-mix. |

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|---|-------------|-----------------------------------|--|
| R | 11/02 03381 | UNBONDED POST-TENSIONED CONCRETE | Post-tensioning reinforcement, encapsulated and non-encapsulated. |
| R | 2/05 03410 | PLANT-PRECAST STRUCTURAL CONCRETE | Conventional precast structural concrete units. |
| R | 5/04 03450 | ARCHITECTURAL PRECAST CONCRETE | Precast concrete cladding units, insulated units, and masonry-faced units. |
| R | 8/02 03471 | TILT-UP CONCRETE | Wall panels and insulated sandwich panels. |
| | 5/01 03491 | GLASS FIBER REINFORCED CONCRETE | Lightweight facing members. |
| | 2/03 03511 | CEMENTITIOUS WOOD-FIBER DECK | Monolithic, composite, and insulated composite units. |
| | 5/03 03521 | LIGHTWEIGHT INSULATING CONCRETE | Mineral-aggregate and foam types. |
| | 5/02 03532 | CONCRETE FLOOR TOPPING | High-strength special-aggregate concrete floor toppings. |
| | 2/04 03930 | CONCRETE REHABILITATION | Concrete patching, repair, reinforcing, sealing, and crack injection. |

DIVISION 4 - MASONRY

| | | | |
|---|-------------|---------------------------------------|--|
| | 11/02 04720 | CAST STONE | Architectural features, facing, trim, and site accessories. |
| | 8/02 04810 | UNIT MASONRY ASSEMBLIES | General applications, walls, partitions. |
| R | 8/03 04815 | GLASS UNIT MASONRY ASSEMBLIES | Glass block installed with mortar and glass-block grid systems. |
| | 2/04 04851 | DIMENSION STONE CLADDING | Exterior stone panels. |
| | 11/04 04860 | STONE MASONRY | Stone laid in mortar. |
| | 8/05 04900 | MASONRY RESTORATION AND CLEANING | Evaluations for Sections 04901 and 04902. |
| | 8/05 04901 | CLAY MASONRY RESTORATION AND CLEANING | Historic and nonhistoric applications for brick and terra cotta. |
| | 8/05 04902 | STONE RESTORATION AND CLEANING | Historic and nonhistoric applications for stone. |

DIVISION 5 - METALS

| | | | |
|---|------------|-----------------------------|--|
| R | 2/01 05120 | STRUCTURAL STEEL | Framing systems. |
| R | 5/03 05210 | STEEL JOISTS | Standard SJI units. |
| R | 5/03 05310 | STEEL DECK | Roof, floor, and composite types. |
| R | 8/03 05400 | COLD-FORMED METAL FRAMING | Load-bearing and exterior non-load-bearing wall studs; floor, ceiling, and roof joists; rafters and roof trusses. |
| R | 2/02 05500 | METAL FABRICATIONS | Iron and steel items (not sheet metal). |
| R | 2/02 05511 | METAL STAIRS | Steel; with pan, plate, and grating treads. |
| R | 2/02 05521 | PIPE AND TUBE RAILINGS | Railings fabricated from aluminum, stainless-steel, and steel pipe and tubing. |
| R | 5/02 05530 | GRATINGS | Metal and glass-fiber-reinforced plastic gratings. |
| | 5/02 05700 | ORNAMENTAL METAL | Custom fabrications from nonferrous and ferrous metals. |
| U | 5/06 05715 | FABRICATED SPIRAL STAIRS | Steel and aluminum units with center column and radiating treads. |
| | 2/02 05721 | ORNAMENTAL RAILINGS | Ornamental metal railings assembled from either standard or custom components and shapes. Also included are glass- and plastic-supported railings, and illuminated railings. |
| R | 2/03 05730 | ORNAMENTAL FORMED METAL | Custom sheet metal fabrications; no flashing. |
| | 2/04 05811 | ARCHITECTURAL JOINT SYSTEMS | For building interiors and exteriors and open-air structures. |

DIVISION 6 - WOOD AND PLASTICS

| | | | |
|---|-------------|------------------------------------|--|
| R | 11/03 06100 | ROUGH CARPENTRY | Wood framing, furring, grounds, nailers, and blocking. |
| | 2/06 06108 | EXTERIOR ROUGH CARPENTRY | Elevated decks and other exterior wood construction. |
| U | 5/06 06130 | HEAVY TIMBER CONSTRUCTION | Solid timber framing. |
| U | 5/06 06150 | WOOD DECKING | Solid and laminated T & G decking. |
| R | 11/03 06160 | SHEATHING | Roof and wall sheathing (including gypsum sheathing); subflooring, underlayment, and weather-resistive barriers. |
| R | 11/03 06176 | METAL-PLATE-CONNECTED WOOD TRUSSES | Metal-plate-connected members. |
| U | 5/06 06185 | STRUCTURAL GLUED-LAMINATED TIMBER | Glued-laminated structural framing. |

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DIVISION 7 - THERMAL AND MOISTURE PROTECTION

| | | | |
|---------|-------|--|--|
| R 11/04 | 07115 | BITUMINOUS DAMPPROOFING | Hot- and cold-applied dampproofing. |
| 5/04 | 07131 | SELF-ADHERING SHEET WATERPROOFING | Self-adhering modified bituminous and adhesive-coated HDPE sheet; drainage panels. |
| 5/04 | 07132 | ELASTOMERIC SHEET WATERPROOFING | Butyl and EPDM sheet; drainage panels. |
| 5/04 | 07133 | THERMOPLASTIC SHEET WATERPROOFING | PVC sheet; drainage panels. |
| 8/05 | 07141 | COLD FLUID-APPLIED WATERPROOFING | Polyurethane, polyester, and latex-rubber types. |
| 11/05 | 07142 | HOT FLUID-APPLIED RUBBERIZED ASPHALT WATERPROOFING | Hot, rubberized-asphalt waterproofing for plaza deck and below-grade walls. |
| 5/02 | 07160 | CEMENTITIOUS AND REACTIVE WATERPROOFING | Evaluations for Sections 07161, 07162, and 07163. |
| 5/02 | 07161 | MODIFIED CEMENT WATERPROOFING | Positive- and negative-side cementitious formulations. |
| 5/02 | 07162 | CRYSTALLINE WATERPROOFING | Crystalline formulations. |
| 5/02 | 07163 | METAL-OXIDE WATERPROOFING | Iron-oxide and cement formulations. |
| 8/02 | 07170 | BENTONITE WATERPROOFING | Colloidal clay systems. |
| 11/02 | 07190 | WATER REPELLENTS | Clear and pigmented penetrating types and film-forming types. |
| 5/04 | 07811 | SPRAYED FIRE-RESISTIVE MATERIALS | Concealed and exposed cementitious and sprayed fiber; exposed intumescent mastic. |
| 2/02 | 07821 | BOARD FIRE PROTECTION | Mineral-fiber and calcium silicate boards. |
| 11/02 | 07841 | THROUGH-PENETRATION FIRESTOP SYSTEMS | Through-penetration firestop systems. |
| 11/02 | 07842 | FIRE-RESISTIVE JOINT SYSTEMS | For floor-to-floor, wall-to-wall, floor-to-wall, head-of-wall, and perimeter-floor-to-curtain-wall joints. |
| R 5/01 | 07920 | JOINT SEALANTS | Elastomeric, nonelastomeric, and preformed sealants. |

DIVISION 9 - FINISHES

| | | | |
|---------|-------|--------------------------------------|--|
| R 11/04 | 09638 | STONE FLOORING | Exterior and interior stone traffic surfaces. |
| 2/04 | 09910 | PAINTING | Evaluations for Sections 09911 and 09912. |
| 2/04 | 09911 | EXTERIOR PAINTING | Exterior painting. |
| R 2/04 | 09912 | INTERIOR PAINTING | Interior painting. |
| R 2/04 | 09931 | WOOD STAINS AND TRANSPARENT FINISHES | For interior and exterior wood. |
| R 11/03 | 09960 | HIGH-PERFORMANCE COATINGS | Specialty coatings for use on exterior and interior substrates. |
| R 11/03 | 09975 | HIGH-TEMPERATURE-RESISTANT COATINGS | Coatings for use on steel substrates subject to high temperatures. |

DIVISION 10 - SPECIALTIES

| | | | |
|-------|-------|------------------------------|---|
| 2/06 | 10350 | FLAGPOLES | Aluminum, bronze, stainless-steel, steel, and fiberglass flagpoles. |
| 11/03 | 10405 | BANNERS | Ornamental fabrics with applied graphics for interior and exterior use. |
| 11/04 | 10431 | SIGNAGE | Exterior and interior signs, letters, and plaques attached to building. |
| 11/04 | 10436 | POST AND PANEL/PYLON SIGNAGE | Freestanding post and panel signs, and pylon signs. |
| 2/04 | 10531 | AWNINGS | Fixed and retractable awnings. |

DIVISION 11 - EQUIPMENT

| | | | |
|------|-------|---|---|
| 6/05 | 11005 | COMMON MOTOR REQUIREMENTS FOR EQUIPMENT | Universal default values for small and medium, ac motors. |
|------|-------|---|---|

DIVISION 12 - FURNISHINGS

| | | | |
|------|-------|------------------------------|---|
| 2/03 | 12800 | INTERIOR PLANTS AND PLANTERS | Plants, trees, and vines for interior spaces. |
|------|-------|------------------------------|---|

DIVISION 13 - SPECIAL CONSTRUCTION

| | | | |
|------|-------|------------------------------|---|
| 8/02 | 13125 | METAL BUILDING SYSTEMS | Systems consisting of structural framing, roofing and siding panels, and standard components. |
| 6/04 | 13210 | ELEVATED WATER-STORAGE TANKS | Above-ground water storage. |
| 6/04 | 13220 | SURFACE WATER-STORAGE TANKS | Surface-mounted water storage. |

DIVISION 16 - ELECTRICAL

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R 6/03 16521 EXTERIOR LIGHTING

Exterior luminaires including poles and standards.

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