

# MASTERSPEC®

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STRUCTURAL/CIVIL/LANDSCAPE LIBRARY  
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### VOLUME 1

#### DIVISION 1 - GENERAL REQUIREMENTS

	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.
	5/04 02221	BUILDING DEMOLITION	Complete structure removal.
	11/01 02230	SITE CLEARING	Clearing and grubbing, and topsoil removal.
	8/05 02240	DEWATERING	Construction dewatering and groundwater controls.
	8/05 02260	EXCAVATION SUPPORT AND PROTECTION	Soldier piles and lagging, sheet piling, and tiebacks.
	2/02 02300	EARTHWORK	Excavating, filling, and grading.

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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.

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### VOLUME 2

12/01	02530	SANITARY SEWERAGE	Sanitary sewerage and underground structures outside the building.	
3/03	02552	GROUND-LOOP, HEAT-PUMP PIPING	Horizontal and vertical, direct-buried, ground-loop piping.	
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.	
8/03	02780	UNIT PAVERS	Brick, asphalt, concrete, and rough stone pavers.	
12/05	02810	IRRIGATION SYSTEMS	Heads, pipes, and controls.	
8/02	02821	CHAIN-LINK FENCES AND GATES	Standard chain-link fencing systems.	
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.	
<b>DIVISION 3 - CONCRETE</b>				
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	11/02	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.
	5/03	03521	LIGHTWEIGHT INSULATING CONCRETE	Mineral-aggregate and foam types.
	5/02	03532	CONCRETE FLOOR TOPPING	High-strength special-aggregate concrete floor toppings.

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#### 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.
	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.

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### VOLUME 4

#### 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.

#### 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.
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.
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.

#### DIVISION 10 - SPECIALTIES

2/06 10350	FLAGPOLES	Aluminum, bronze, stainless-steel, steel, and fiberglass flagpoles.
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.

#### DIVISION 11 - EQUIPMENT

6/05 11005	COMMON MOTOR REQUIREMENTS FOR EQUIPMENT	Universal default values for small and medium, ac motors.
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#### DIVISION 13 - SPECIAL CONSTRUCTION

8/02 13125	METAL BUILDING SYSTEMS	Systems consisting of structural framing, roofing and siding panels, and standard components.
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#### DIVISION 16 - ELECTRICAL

R 6/03 16521	EXTERIOR LIGHTING	Exterior luminaires including poles and standards.
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