

TABLE OF CONTENTS

INTRODUCTORY INFORMATION

00 00 10 – Title Page
00 00 20 – Table of Contents

DIVISION 0 - BIDDING REQUIREMENTS, CONTRACTOR FORMS AND CONDITIONS OF THE CONTRACT

Section	00 02 00	Notice to Bidders
	00 10 00	Instructions to Bidders
	00 12 10	Substitution Request Form
	00 20 00	Information Available to Bidders
		Geotechnical Data
	00 30 50	Bidder Reminder List
	00 31 00	Bid Form
	00 37 00	Standard Forms
	00 41 00	Bid Bond
	00 43 50	Subcontractors and Products List
	00 50 00	Standard Form of Agreement
	00 61 00	Performance Bond and Payment Bond
	00 70 00	Amended General Conditions
	00 82 00	Schedule of Insurance Requirements
	00 82 50	Escrow Agreement

DIVISION 1 - GENERAL REQUIREMENTS

Section	01 12 00	Multiple Contract Summary
	01 21 00	Allowances
	01 23 00	Alternates
	01 25 00	Contract Modification Procedures
	01 28 00	Schedule of Values
	01 29 00	Application for Payment
	01 31 00	Project Meetings
	01 32 00	Schedules and Reports
	01 33 00	Submittal Procedures
	01 40 00	Quality Requirements
	01 45 10	Testing Laboratory Services
	01 50 50	Temporary Facilities and Controls
	01 51 10	Temporary Electricity, Lighting and Warning Systems
	01 51 30	Temporary Heating, Ventilation and Cooling
	01 51 50	Temporary Water
	01 51 60	Temporary Sanitary Facilities
	01 51 80	Temporary Fire Protection
	01 52 10	Construction Aids and Temporary Enclosures

01 52 60	Rubbish Container
01 53 10	Fences (Temporary Security)
01 53 20	Tree and Plant Protection
01 53 30	Barricades
01 54 60	Environment Protection
01 54 80	Utility Protection
01 55 00	Access Roads and Parking Areas
01 56 20	Dust Control
01 56 30	Water Control
01 56 80	Erosion Control
01 56 90	Housekeeping and Safety
01 57 60	Project Signs
01 59 10	Project Office
01 59 20	Offices and Sheds
01 60 00	Product Requirements
01 71 50	Final Cleaning
01 72 00	Field Engineering
01 72 50	Work Layout
01 73 10	Cutting and Patching
01 77 00	Contract Closeout

DIVISION 2 – EXISTING CONDITIONS

Section	02 41 00	Selective & Bulk Demolition
	02 41 16	Demolition Management

DIVISION 3 – CONCRETE

Section	03 30 00	Cast In Place Concrete
	03 05 13	Concrete Water Vapor Reducing Admixture
	03 40 00	Architectural Precast Concrete
	03 80 00	Floor Patching and Leveling

DIVISION 4 – MASONRY

Section	04 20 00	Unit Masonry
---------	----------	--------------

DIVISION 5 – METALS: STRUCTURAL & MISCELLANEOUS

Section	05 12 00	Structural Steel Framing
	05 21 00	Steel- Joist Framing
	05 31 23	Steel Decking
	05 44 13	Cold-Formed Steel Framing
	05 50 00	Miscellaneous Metals
	05 51 13	Metal Stairs
	05 51 33	Fixed Wall Ladders
	05 52 00	Metal Pipe Railings
	05 52 50	Railing Gate Systems

DIVISION 6 – CARPENTRY

Section	06 10 00	Rough Carpentry
	06 20 00	Finish Carpentry
	06 61 16	Solid Surfacing

DIVISION 7 – MOISTURE PROTECTION

Section	07 10 00	Moisture Protection
	07 14 50	Liquid Air & Vapor Barrier
	07 21 00	Insulation
	07 24 50	Exterior Insulation Finish System – Refinish
	07 25 00	Weather Barriers
	07 26 16	Dampproofing
	07 42 10	Sheet Metal Soffit Panels
	07 42 16	Insulated Core Metal Wall Panels
	07 50 00	Reroofing
	07 53 23	Elastic Sheet (EPDM) Roofing
	07 54 19	Polyvinyl Chloride (PVC) Membrane Roofing
	07 62 00	Flashing And Sheet Metal
	07 72 33	Roof Access
	07 81 23	Spray Applied Fireproofing
	07 84 00	Firestopping
	07 95 00	Caulking
	07 95 50	Expansion Joints

DIVISION 8 – DOORS, WINDOWS & GLASS

Section	08 10 00	Interior Doors and Frames
	08 14 83	Pre-Engineered Acoustical Doors
	08 31 00	Access Panels
	08 34 20	Rolling Service Doors (Motorized – Non-Insulated)
	08 41 00	Aluminum Entrance Doors - Wide Stile
	08 41 40	Aluminum Entrance Doors - Flush
	08 43 00	Aluminum Storefronts
	08 51 12	Aluminum Windows
	08 56 70	Sound Control Windows
	08 71 00	Finish Hardware **
	08 80 00	Glass & Glazing
	08 87 00	Security Film
	08 83 00	Large Format Mirrors

**** Hardware Sets, to be Incorporated into Section 087100, Are Located at the End of Division 8**

DIVISION 9 – FINISHES

Section	09 00 00	Interior Finishes
	09 20 00	Plaster & Gypsum Wallboard
	09 53 00	Acoustical Ceiling & Wall Systems
	09 64 66	Wood and Synthetic Athletic Flooring - Fieldhouse
	09 65 00	Adhered Flooring on Slabs with Concrete Water Reducing Admixture
	09 65 12	Rubber Cove Base
	09 65 13	Stair Treads & Risers
	09 65 18	Slip Resistant Floor Tile
	09 65 19	Vinyl Composition Floor Tile
	09 65 20	Luxury Vinyl Tile
	09 66 05	Epoxy Terrazzo & Epoxy Terrazzo Patching
	09 67 26	Quartz Epoxy Broadcast with Urethane Topcoat
	09 68 00	Carpeting
	09 68 10	Walk-Off Carpet Tile
	09 80 00	Acoustic Treatment
	09 90 00	Painting

DIVISION 10 – SPECIALTIES

Section	10 11 00	Visual Display Boards
	01 20 00	Display Cases
	10 14 16	Cast Plaques
	10 14 19	Fabricated Letters
	10 14 20	Self-Illuminated Cabinet Signs
	10 14 23	Panel Signage
	10 21 00	Toilet Partitions & Doors
	10 21 25	Cubicle Track and Hospital Cubicles
	10 26 00	Wall Guards
	10 28 00	Toilet Accessories
	10 28 20	Baby Changing Station
	10 41 13	Fire Department Security Key Box
	10 41 16	Key Cabinet
	10 44 00	Fire Extinguisher Cabinets
	10 51 13	Corridor & Service Staff Lockers

DIVISION 11 – EQUIPMENT

Section	11 40 00	Food Service Equipment
	11 52 13	Projection Screens
	11 61 33	Theater & Stage Equipment
	11 66 20	Volleyball Equipment
	11 66 22	Basketball Equipment
	11 66 24	Wall Pad Wainscot
	11 66 26	Batting Cages
	11 66 43	Basketball/Wrestling/Volleyball Scoreboard

11 66 53 Gym Divider Curtain

DIVISION 12 – FURNISHINGS

Section	12 21 16	Blinds
	12 24 13	Motorized Window Shades
	12 32 00	Relocated Existing Cabinets
	12 32 05	Classroom & Miscellaneous Cabinets
	12 32 10	Music Storage Cabinets
	12 57 16	Welding Booth Enclosures

DIVISION 13 – SPECIAL CONSTRUCTION

Section	13 34 23	Fabricated Structures
---------	----------	-----------------------

DIVISION 14 – CONVEYANCE SYSTEMS

Section	14 21 00	Hydraulic Elevators
---------	----------	---------------------

DIVISION 21 – FIRE SUPPRESSION

Section	21 01 00	Operations and Maintenance of Fire Suppression
	21 05 00	Common Work Results for Fire Suppression
	21 05 19	Meters and Gauges for Fire-Suppression Systems
	21 05 23	General-Duty Valves for Water-Based Fire-Suppression Piping
	21 05 29	Hangers and Supports for Fire-Suppression Piping and Equipment
	21 05 53	Identification for Fire-Suppression Piping and Equipment
	21 08 00	Commissioning of Fire Suppression
	21 11 19	Fire-Department Connections
	21 13 13	Wet-Pipe Sprinkler Systems

DIVISION 22 – PLUMBING

Section	22 05 00	Common Work Results for Plumbing
	22 05 16	Expansion Fittings and Loops for Plumbing Piping
	22 05 19	Meters and Gages for Plumbing Piping
	22 05 23	General-Duty Valves for Plumbing
	22 05 29	Hangers and Supports for Plumbing Piping and Equipment
	22 05 48	Vibration and Seismic Controls for Plumbing Piping and Equipment
	22 05 53	Identification for Plumbing Piping and Equipment
	22 05 76	Facility Drainage Piping Cleanouts
	22 05 93	Testing, Adjusting, and Balancing for Plumbing
	22 07 19	Plumbing Piping Insulation
	22 09 00	Instrumentation and Control for Plumbing
	22 09 93	Sequence of Operations for Plumbing Controls
	22 11 13	Facility Water Distribution Piping
	22 11 16	Domestic Water Piping
	22 11 19	Domestic Water Piping Specialties

22 11 23.26	Close Couple Recirculation Pump
22 13 13	Facility Sanitary Sewers
22 13 16	Sanitary Waste and Vent Piping
22 13 19.13	Sanitary Drains
22 13 19.26	Grease Removal Devices
22 13 19.36	Air Admittance Valves
22 13 19.43	Sewer Gas Backup Prevention
22 14 00	Facility Storm Drainage
22 14 13	Facility Storm Drainage Piping
22 14 26.13	Roof Drains
22 15 13	General Service Compressed-Air Piping
22 15 16	General Service Compressed-Air Valves and Specialties
22 15 19	General Service Packaged Air Compressors and Receivers
22 31 16	Commercial Domestic Water Softeners
22 32 19.13	Inline Water Filter for Ice Machines
22 34 36.23	Commercial, High Efficiency Gas Domestic Water Heaters (AO Smith)
22 42 00	Commercial Plumbing Fixtures
22 42 13	Commercial Water Closets, Urinals, and Bidets
22 42 16	Commercial Lavatories and Sinks
22 42 23	Commercial Shower Receptors and Basins
22 42 26	Commercial Disposers
22 42 43	Flushometers
22 42 53	Commercial Plumbing Fixture Supports
22 45 33	Combination Emergency Fixture Units
22 45 36	Emergency Fixture Water Tempering Equipment
22 47 00	Drinking Fountains and Water Coolers
22 63 13.53	Gas Piping
22 66 53	Laboratory Chemical-Waste and Vent Piping
22 66 83.16	Chemical-Waste Neutralization Tanks

DIVISION 23 – HEATING, VENTILATING, AND AIR CONDITIONING

Section	23 05 00	Common Work Results for HVAC
	23 05 16	Expansion Fittings and Loops for HVAC Piping
	23 05 19	Meters and Gauges for HVAC Piping
	23 05 23	General-Duty Valves for HVAC Piping
	23 05 29	Hangers and Supports for HVAC Piping and Equipment
	23 05 48	Vibration and Seismic Controls for HVAC Piping and Equipment
	23 05 53	Identification for HVAC Piping and Equipment
	23 05 93	Testing, Adjusting, & Balancing for HVAC
	23 07 13	Duct Insulation
	23 07 19	HVAC Piping Insulation
	23 09 00	Instrumentation and Control for HVAC
	23 09 93	Sequence of Operations for HVAC Controls
	23 11 23	Facility Natural Gas Piping
	23 21 13	Hydronic Piping
	23 21 14	Condensate Drain Piping

23 21 16	Hydronic Piping Specialties
23 21 23	Hydronic Pumps
23 21 23.13	In-Line Centrifugal Hydronic Pumps
23 21 23.16	Base Mounted, Centrifugal Hydronic Pumps
23 21 29	Automatic Condensate Pump Units
23 23 00	Refrigerant Piping
23 23 13	Refrigerant Piping Valves
23 23 16	Refrigerant Piping Specialties
23 25 13	Water Treatment for Closed Loop Hydronic Systems
23 31 13	Metal Ducts
23 33 00	Air Duct Accessories
23 33 13.07	Automatic Control Dampers
23 33 13.13	Volume-Control Dampers – Manual
23 33 13.16	Fire Dampers
23 33 13.19	Smoke Dampers
23 33 23	Turning Vanes
23 33 43	Flexible Connectors
23 33 46	Flexible Ducts
23 34 00	HVAC Fans
23 35 13	Sawdust Collection Systems
23 36 16	Variable-Air-Volume Units
23 37 13	Diffusers, Registers, and Grilles
23 37 14	Louvers
23 37 23	HVAC Gravity Ventilators
23 38 00	Ventilation Hoods
23 38 16	Fume Hoods
23 51 16	Fabricated Breechings and Accessories
23 52 16	Condensing Boilers (Advanced Thermal Hydraulics)
23 57 00	Heat Exchanges for HVAC
23 62 13	Packaged Air-Cooled Compressor and Condenser Units
23 64 26.16	Water Cooled, Rotary-Screw Water Chillers
23 65 14.14	Open-Circuit, Induced-Draft, Crossflow Cooling Towers
23 73 13	Modular Indoor Central-Station Air-Handling Units
23 81 26	Split-System Air-Conditioners
23 82 19	Fan Coil Units
23 82 21	Blower Coil Air Handler Units
23 82 23	Vertical Unit Ventilators (Temspec)
23 82 33	Convectors
23 82 39.13	Cabinet Type (CH)
24 82 39.16	Propeller Hot Water Type (UH)

DIVISION 26 – ELECTRICAL

Section	26 05 00	Common Work Results for Electrical
	26 05 19	Low-Voltage Electrical Power Conductors and Cables
	26 05 26	Grounding and Bonding for Electrical Systems
	26 05 29	Hangers and Supports for Electrical Systems
	26 05 33	Raceways and Boxes for Electrical Systems

26 05 43	Underground Ducts and Raceways for Electrical Systems
26 05 44	Sleeves and Sleeve Seals for Electrical Raceways and Cabling
26 05 53	Identification for Electrical Systems
26 05 73	Overcurrent Protective Device Coordination Study
26 05 74	Overcurrent Protective Device Arc-Flash Study
26 09 23	Lighting Control Devices
26 22 13	Low-Voltage Distribution Transformers
26 24 13	Switchboards
26 24 16	Panelboards
26 24 19	Motor-Control Centers
26 27 26	Wiring Devices
26 28 13	Fuses
26 28 16	Enclosed Switches and Circuit Breakers
26 29 23	Variable-Frequency Motor Controllers
26 32 13	Engine Generators
26 36 00	Transfer Switches
26 43 13	Surge Protection for Low-Voltage Electrical Power Circuits
26 51 19	Interior Lighting
26 56 13	Lighting Poles and Standards
26 56 19	Exterior Lighting

DIVISION 27 – COMMUNICATIONS

Section	27 05 26	Grounding and Bonding for Communications Systems
	27 05 28	Pathways for Communications Systems
	27 05 29	Hangers and Supports for Communications Systems
	27 05 36	Cable Trays for Communications Systems
	27 05 44	Sleeves and Sleeve Seals for communications Pathways and Cabling
	27 05 53	Identification for Communications Systems
	27 11 00	Communications Equipment Room Fittings
	27 11 16	Communications Racks, Frames, and Enclosures
	27 13 13	Communications Copper Backbone Cabling
	27 13 23	Communications Optical Fiber Backbone Cabling
	27 15 13	Communications Copper Horizontal Cabling
	27 51 23	Educational Intercom and Program Equipment
	27 52 00	Sound Systems

DIVISION 28 – ELECTRONIC SAFETY AND SECURITY

Section	28 31 11	Digital, Addressable Fire-Alarm System
---------	----------	--

DIVISION 31 – EARTHWORK

Section	31 10 00	Site Clearing
	31 20 00	Earth Moving
	31 23 19	Dewatering
	31 25 00	Erosion and Sediment Controls
	31 50 00	Excavation Support and Protection

DIVISION 32 – EXTERIOR IMPROVEMENTS

Section	32 12 16	Asphalt Paving
	32 13 13	Concrete Paving
	32 17 23	Pavement Markings
	32 31 13	Fences and Gates
	32 92 00	Lawns and Grasses
	32 93 00	Plants

DIVISION 33 – UTILITIES

Section	33 05 00	– Common Work Results for Utilities
	33 11 13	– Water Distribution Piping
	33 13 13	– Sanitary Sewers
	33 41 00	– Storm Utility Drainage Piping

END OF SECTION 00 00 20