

**VOLUME 1**

**DIVISION 00 - PROCUREMENT AND CONTRACTING REQUIREMENTS**

Notice to Bidders  
Bid Form  
Instructions to Bidders  
Contractor's Bid for Public Work – Form 96 (Revised 2005)  
Minority and Women's Business Enterprise Participation Plan  
Contractor Asbestos Certification  
Asbestos Protocol for Contractors  
Performance and Payment Bond  
Construction Agreement  
Escrow Agreement  
    First Financial Bank  
    Bank of New York Mellon Trust Company, NA  
General Conditions of the Contract for Construction  
Supplementary General Conditions  
Modification to the General Conditions & Supplementary General Conditions  
Project Site Requirements  
003000 Available Information  
004330 Proposed Products and Subcontractors Form

**DIVISION 01 - GENERAL REQUIREMENTS**

011000 Summary  
012300 Alternates  
012600 Contract Modification Procedures  
012900 Payment Procedures  
013100 Project Management & Coordination  
013200 Const. Progress Documentation  
013233 Digital Photographic Documentation  
013300 Submittal Procedures  
014000 Quality Requirements  
014200 References  
015000 Temporary Facilities & Controls  
015639 Temporary Tree & Plant Protection  
016000 Product Requirements  
017300 Execution Requirements  
017329 Cutting & Patching  
017419 Construction Waste Management  
017700 Closeout Procedures  
017900 Demonstration & Training  
018113 Sustainable Design Requirements

**DIVISION 02 - EXISTING CONDITIONS**

024119 Selective Structure Demolition

**DIVISION 03 - CONCRETE**

Not Used

**DIVISION 04 - MASONRY**

042000 Unit Masonry Assemblies

**DIVISION 05 - METALS**

055000 Metal Fabrications

**DIVISION 06 - WOOD, PLASTICS, AND COMPOSITES**

061053 Miscellaneous Rough Carpentry  
064023 Interior Architectural Woodwork

**DIVISION 07 - THERMAL AND MOISTURE PROTECTION**

072100 Thermal Insulation  
078413 Through-penetration Firestop Systems  
079200 Joint Sealants

**DIVISION 08 - OPENINGS**

081113 Hollow Metal Doors and Frames  
081119 Stainless Steel Doors and Frames  
081416 Flush Wood Doors  
081600 Fiber-Reinforced Plastic Doors  
083113 Access Doors and Frames  
084229.23 Sliding Automatic Entrances  
084500 All-Glass Vision Assemblies  
087100 Door Hardware  
088000 Glazing  
088300 Mirrors  
088400 Plastic Glazing

**DIVISION 09 - FINISHES**

092116 Gypsum Board Shaft-wall Assemblies  
092216 Non-Structural Metal Framing  
092900 Gypsum Board  
093000 Tiling  
095113 Acoustical Panel Ceilings  
096513 Resilient Base and Accessories  
096516 Resilient Sheet Flooring  
096519 Resilient Tile Flooring  
096723 Resinous Flooring  
096813 Carpet Tile  
097250 Tackable Wall Covering  
099100 Painting  
099736 Dry Erase Painting

**DIVISION 10 – SPECIALTIES**

101400 Signage  
102113 Toilet Compartments

102600	Wall and Door Protection
102800	Toilet and Bath Accessories
104413	Fire Extinguisher Cabinets
104416	Fire Extinguishers
105113	Metal Lockers

**DIVISION 11 - EQUIPMENT**

113100	Residential Appliances
115313	Laboratory Fume Hoods

**DIVISION 12 - FURNISHINGS**

122413	Roller Window Shades
123553	Laboratory Casework

**DIVISION 13 - SPECIAL CONSTRUCTION**

132120	Environmentally Controlled Rooms
--------	----------------------------------

**DIVISION 14 - CONVEYING EQUIPMENT**

Not Used

**VOLUME 2**

**DIVISION 20 - MECHANICAL**

Not Used

**DIVISION 21 - FIRE SUPPRESSION**

- 21 0500 Common Work Results for Fire Suppression
- 21 1313 Wet-Pipe Sprinkler Systems

**DIVISION 22 - PLUMBING**

- 22 0500 Common Work Results for Plumbing
- 22 0523 General-Duty Valves for Plumbing Piping
- 22 0529 Hangers and Supports for Plumbing Piping and Equipment
- 22 0553 Identification for Plumbing Piping and Equipment
- 22 0719 Plumbing Piping Insulation
- 22 1116 Domestic Water Piping
- 22 1119 Domestic Water Piping Specialties
- 22 1316 Sanitary Waste and Vent Piping
- 22 1319 Sanitary Waste Piping Specialties
- 22 4000 Plumbing Fixtures
- 22 4500 Emergency Plumbing Fixtures
- 22 6113 Compressed-Air Piping for Laboratory Facilities
- 22 6213 Vacuum Piping for Laboratory Facilities
- 22 6313 Gas Piping for Laboratory Facilities
- 22 6600 Chemical-Waste Systems for Laboratory and Vent for Facilities
- 22 6700 Processed Water Systems for Laboratory Facilities
- 22 6720 Processed Water Systems Equipment for Laboratory Facilities

**DIVISION 23 - HEATING, VENTILATING AND AIR CONDITIONING**

- 23 0100 Basic Mechanical Requirements
- 23 0335 Variable-Frequency Drives
- 23 0500 Basic Mechanical Materials and Methods
- 23 0513 Motors
- 23 0519 Meters and Gages
- 23 0523 Valves
- 23 0529 Hangers and Supports
- 23 0550 Mechanical Vibration Isolation
- 23 0593 Testing, Adjusting, and Balancing
- 23 0700 Mechanical Insulation
- 23 0900 HVAC Instrumentation and Controls
- 23 0993 Sequence of Operations
- 23 2113 Hydronic Piping
- 23 2123 Hydronic Pumps
- 23 2213 Steam and Condensate Piping
- 23 3113 Metal Ducts
- 23 3300 Duct Accessories
- 23 3419 Laboratory Mechanical Systems
- 23 3600 Air Terminal Units
- 23 3713 Diffusers, Registers, and Grilles
- 23 4100 Air Filters
- 23 7313 Custom Air-Handling Units
- 23 8219 Fan Coil Units
- 23 8239 In-Room Terminal Heating Equipment

23 8245 Chilled Beams  
23 8413 Humidifiers

**DIVISION 26 - ELECTRICAL**

26 0500 Common Work Results for Electrical  
26 0519 Conductors and Cables  
26 0526 Grounding and Bonding  
26 0529 Hangers and Supports  
26 0533 Raceways  
26 0534 Boxes, Cabinets and Enclosures  
26 0536 Cable Trays  
26 0553 Identification for Electrical Systems  
26 0600 Electrical Demolition  
26 0923 Lighting Control Devices  
26 0943 Relay-Base Lighting Controls  
26 2416 Panelboards  
26 2419 Motor Control  
26 2726 Wiring Devices  
26 2813 Fuses  
26 2816 Enclosed Switches  
26 5100 Lighting

**DIVISION 27 - COMMUNICATIONS**

27 0000 Communications

**DIVISION 28 – ELECTRONIC SAFETY AND SECURITY**

28 3111 Digital Addressable Fire-Alarm System