

SECTION 102113**TOILET PARTITIONS****PART 1 GENERAL****1.1 GENERAL REQUIREMENTS**

- A. Work of this Section, as shown or specified, shall be in accordance with the requirements of the Contract Documents.

1.2 SECTION INCLUDES

- A. The Work of this Section includes all labor, materials, equipment, and services necessary to complete the toilet partitions as shown on the drawings and/or specified herein, including, but not necessarily limited to, the following:
 - 1. Ceiling mounted toilet partitions.
 - 2. Wall mounted urinal screens.
 - 3. Hardware and accessories.

1.3 RELATED SECTIONS

- A. Gypsum Board Assemblies - Section 092116.
- B. Ceramic Tiling - Section 093000.
- C. Toilet Accessories - Section 102813.

1.4 QUALITY ASSURANCE

- A. Field Measurements: Take field measurements prior to fabrication to ensure proper fitting of the work.
- B. Inserts and Anchorages: Furnish inserts and anchoring devices which must be built into other work for the installation of toilet partitions and related work. Coordinate delivery with other work to avoid delay.

1.5 SUBMITTALS

- A. Shop Drawings: Before any of the materials of this Section are delivered to the job site, submit the following:
 - 1. Room layouts and elevations for all areas, with dimensions based on actual dimensions taken at site.
 - 2. Materials, finishes, details of construction, gauges of metal, hardware, fastening and anchoring conditions and relation to adjoining construction.
- B. Samples - Submit:
 - 1. Baked enamel finish on metal, each color - 12" x 12".

2. All hardware and fitting items and fastenings for same. Include all items listed under 2.2 C. below.
- C. Templates: Submit templates to other trades as required for support of toilet partitions.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Provide one of the following or approved equal:
1. Ceiling Hung Toilet compartments:
 - a. "Forum CH-700" of the Metpar Co.
 - b. "Flushung" of Flush Metal Partition Corp.
 - c. "Century" of the Sanymetal Products Co.
 - d. "Forum CH-700" of the Metpar Co.
 2. Wall Hung Urinal Screens:
 - a. Wall Hung of Metpar Co.
 - b. "WH-Wall Hung" of Flush Metal Partition Corp.
 - c. "Type C Wall Hung" of Sanymetal Products Co.
 - d. "Type WH Wall Hung" of Metpar Co.
- B. Manufacturer's names or identifying markings not permitted on exposed surfaces of urinal screens or related hardware.

2.2 MATERIALS FOR TOILET PARTITIONS AND SCREENS

- A. Steel Sheet for Baked Enamel Finish: Prime quality carbon steel, cold rolled, stretcher leveled, galvanized (0.00015" thick galvanized coating on each face), and bonderized.
- B. Core Insulation: Manufacturer's standard rot-proof and vermin-proof double faced honeycomb or corrugated type core material; required in all panels, screens, pilasters and doors.
- C. Hardware: Solid forged brass or stainless steel (Type 302 or 304) as indicated below. Stamped, cast alloy, or aluminum extrusions will not be permitted.
1. Pilaster Shoes: Stainless steel, one piece (no visible joints or seams) flush or offset design, 3" high, 20 ga. for ceiling hung toilet compartments.
 2. Hinges: Gravity hinge type, self-closing, concealed within door, fully adjustable, to bring door to rest in 30 degree open position. Hinge brackets solid forged brass or stainless steel, with solid stainless steel pin and pintles.
 3. Latch: Solid forged brass with solid stainless steel slide.
 4. Strike and Keeper: One piece, solid forged brass or 16 ga. stainless steel, with rubber bumper mechanically applied and theft proof.
 5. Bumper Coat Hook: Solid forged brass, with ferrule held rubber bumper on back of each toilet compartment door.
 6. Stirrup Brackets: 14 ga. stainless steel or forged brass.

7. Hardware Finishes

- a. On Forged Brass: Heavy chromium plating over nickel over copper. Dull Finish (US26D).
 - b. On Stainless Steel: AISI No. 4 Satin Finish.
- D. Fasteners: Exposed fasteners of stainless steel or chromium plated brass, same finish as adjoining metal, theft proof. Concealed fasteners of non-corrosive metal.
- E. Steel Framing for Support of Toilet Compartments: Light steel framing (ASTM A 36) and hanger for support of ceiling hung toilet compartments shall consist of adequately sized steel channels extending between walls directly over pilasters and be supported by 1/2" dia. galvanized steel rods. Rods shall be securely attached to structural slab above and securely attached to steel channels. Locate rods above every other pilaster. Install light steel framing and hangers prior to installation of suspended ceiling.

2.3 FABRICATION

- A. Minimum Acceptable Metal Gauges:
- 1. Face Sheets for Panels and Screens: 20 gauge.
 - 2. Face Sheets for Doors: 22 gauge
 - 3. Face Sheets for Pilasters: 18 gauge; for pilasters less than 4" wide, 14 gauge.
 - 4. Edge Moldings: 18 gauge galvanized bonderized steel (baked enamel finish).
 - 5. Concealed Reinforcement
 - a. For Tapping: 14 gauge galvanized steel.
 - b. For Anchoring Devices: 12 gauge galvanized steel.
- B. Thickness
- 1. Panels, Screens and Doors: 1" overall thickness.
 - 2. Pilasters: 1-1/4" overall thickness.
- C. Sizes: As shown on drawings. Pilasters for compartments shall all be of the same width, except end pilasters which shall be approx. 1/2 the normal width.
- D. Construction
- 1. Panels, screens, doors and pilasters shall have face sheets, with formed edges, pressure cemented to each side of core insulation, providing flat, smooth surface, free of waves, warping, buckles or other defects.
 - 2. Lock edges of face sheets together by either concealed tack welding face sheets at contacting edges at 8" o.c., and installing interlocking edge molding, or by using a combination integral edge molding and internal reinforcing channel epoxy bonded to face sheets.
 - 3. Edge molding shall have corners mitered, welded or brazed, ground flush and finished to match adjacent surfaces. Corners, caps or exposed welds not permitted.

4. Provide concealed reinforcement for hardware, grab bars, fastenings and accessories specified for in both work of this Section and in work of other Sections (such as toilet accessories), and for rigidity, strength and support of units in accordance with requirements for type and use of metal toilet partitions. Cut partitions in shop to receive toilet accessories, using templates furnished by Section 10800.
- E. Compartment Sizes: Unless otherwise indicated, minimum dimensions of components for toilet compartments shall be as follows:
 1. Enclosure height - 5'-10".
 2. Typical door width - 2'-0".
 3. Door width for barrier free compartments - 3'-6".
 4. Door height - 4'-10".
 5. Floor clearance - 1'-0".

2.4 FINISHES

- A. Schedule of Finishes: All metal toilet partitions and screens shall have epoxy porcelain coat finish applied electrostatically.
- B. Color: Colors as selected by the Commissioner. A maximum of 3 different colors may be selected by the Commissioner.
- C. Touch-Up Paint: Furnish the City of New York with one gallon of each color of enamel finish paint for City of New York's use.
- D. Hardware and Accessories Finishes: As specified above under Paragraph 2.3 herein.

PART 3 EXECUTION

3.1 INSPECTION

- A. Examine the areas and conditions where ceiling mounted toilet partitions are to be installed and correct any conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions are corrected to permit proper installation of the work.

3.2 INSTALLATION

- A. Install work of this Section in a rigid and permanent manner, straight and plumb, with all horizontal lines level.
- B. Install steel framing and hangers prior to installation of suspended ceiling to insure proper support to receive compartments.
- C. Install panels and doors 12" above finished floor, unless otherwise indicated. Toilet compartment doors shall be centered on water closets, unless otherwise indicated.
- D. Maintain uniform clearance of approx. 1/2" between pilasters and panels, and 1/2" between pilasters or panels and finished wall.

- E. Maintain uniform clearance of 1/4" or less between vertical edges of doors and pilasters.
- F. Bolt pilasters of ceiling-hung toilet compartments securely to light steel supporting member above ceiling; use steel spacers for ceiling thickness. Secure pilaster shoe to pilaster with 2 screws on back side of pilaster.
- G. Attach panels or pilasters to one another or to wall with 3 brackets at each joining intersection.
- H. Hardware and fastening devices shall be carefully and accurately installed. Door hardware shall be adjusted and shall be left in perfect working order.
- I. All evidence of drilling, cutting and fitting of wall or ceiling finishes shall be concealed by completed metal toilet partition work.
- J. Finished surfaces of all work of this Section shall be thoroughly cleaned at completion of the installation and shall be left free from any and all imperfections.

END OF SECTION

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