

SECTION 10 21 13.15
FACTORY-PAINTED STEEL TOILET COMPARTMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Requirements for factory-painted steel toilet compartment work as indicated on Drawings and as specified herein.

1.02 REFERENCE STANDARDS

- A. References and industry standards listed in this Section are applicable to the Work. Unless more restrictive criteria or differing requirements are explicitly stated in the Specifications, or mandated by governing codes or regulations, the recommendations, suggestions, and requirements described in the referenced standards shall be deemed mandatory and applicable to the Work.
- B. American Society for Testing and Materials (ASTM).

1.03 SUBMITTALS

- A. Shop Drawings
 - 1. Show fabrication details and connections to adjacent Work.
- B. Product Data
 - 1. Catalog sheets, specifications, and installation instructions for the following:
 - a. Panels and Doors.
 - b. Pilasters, types specified.
 - c. Screens, types specified.
 - d. Hardware and accessories.
- C. Samples
 - 1. Hardware: One for each item and type specified.
 - 2. Panels: One 12" x 12" corner section.
 - 3. Pilaster Leveling Device: One complete device, including pilaster shoe.
 - 4. Overhead Bracing: One 12" long section.
 - 5. Bracket Fittings: One each type.
 - 6. Fasteners: One each type.
 - 7. Color Samples: Manufacturer's standard colors for specified finish.

1.04 QUALITY ASSURANCE

- A. Manufacturer
 - 1. Minimum of five (5) years successful experience in manufacture of toilet compartments of type specified.
- B. Installer
 - 1. Minimum of three (3) years successful experience in installation of toilet compartments of type specified.

1.05 DELIVERY, STORAGE AND HANDLING

- A. Deliver, store, and handle products as recommended by manufacturer to protect products from damage.

1.06 FIELD CONDITIONS

- A. Do not install the Work of this Section until the floors, walls, and ceilings of the spaces to receive the Work are completed.

PART 2 PRODUCTS

2.01 MANUFACTURERS

- A. Flush Metal Partition Corp., Long Island City, NY.
- B. Metpar Steel Products Corp., Westbury, NY.

C. Global Steel Products Corp., Deer Park, NY.

2.02 MATERIALS

A. Sheet Steel

1. ASTM A879 galvanized-bonderized, of the following minimum thickness.
 - a. Pilaster: Minimum 20 gage.
 - b. Panels (Partitions): 20 gage.
 - c. Doors: 22 gage.
 - d. Concealed Reinforcement for Anchorages: 12 gage.
 - e. Concealed Reinforcement for Tapping: 14 gage.

B. Core Material

1. Corrugated paperboard formed panels weighing approximately 34 pounds per 1000 square feet or kraft paper weighing not less than 25 pounds per 1000 square feet formed into a hexagonal honeycomb pattern containing cells of approximately 1" size.

C. Pilaster Shoes

1. One for each Pilaster, AISI Type 302/304, minimum 20 gage stainless steel, 3" high, finish to match hardware. Secure shoe to floor with 4" galvanized steel screws. Provide concealed leveling bolts for proper leveling.

D. Stirrup Brackets

1. Non-ferrous alloy with satin chrome finish.

E. Hardware and Accessories

1. Heavy duty operating hardware and accessories, non-ferrous cast alloy with satin chrome finish.

F. Anchorages and Fasteners

1. Tamper-resistant exposed fasteners, finished to match hardware.

2.03 FABRICATION

A. Panels

1. Pressure laminate face sheets to core, form edges by lapping or seal edges with continuous locking strip. Miter and weld corners, with welds ground smooth, or cap with stainless steel clips.
2. Panel Thickness: 1".
3. Provide concealed reinforcement for installation of hardware, fittings, brackets, and required accessories.
4. Where grab bars are indicated, reinforce panels for attachment of grab bars.

B. Doors

1. 1" thick, size as indicated, same construction and finish as panels. Provide 1/2" clearance between pilaster and door in closed position.

C. Overhead-Braced Pilasters

1. Pilasters shall be 1 1/4" thick, same construction and finish as panels, with galvanized steel floor supports and leveling bolts.
2. Overhead brace shall be continuous extruded aluminum tube, anti-grip design with clear anodized finish, set and securely braced into top of each pilaster.

D. Floor-Supported Screen

1. Screens shall be 1" thick, size as indicated, same construction and finish as panels.
2. Brackets, base anchorages and shoes shall match compartment units.

E. Hardware and Accessories

1. One set for each Door:
2. Hinges: Heavy duty gravity type, recessed top and bottom door assemblies with clamp flange jamb brackets thru-bolted to pilaster. Stainless steel door pivot pin in upper hinge, bronze or nylon bushing, cam action unit in lower portion. Hinges shall be adjustable to permit door to remain stationary at any desired angle.

3. Mortise Lock: Stainless steel, thumb turn control inside, tool operated slotted rosette outside for emergency access.
 4. Combination Stop and Keeper: Clamp flange type with securely attached rubber bumper.
 5. Combination Coat Hook and Bumper: Chrome-plated bronze unit, rubber tipped.
 6. Door Pull (for doors opening out): Chrome plated or stainless steel.
 7. Wall Bumper (for doors opening out and striking adjacent wall at 90 degrees): Glynn-Johnson WB 5.
- F. Factory Finish
1. One coat of rust resisting primer (SSPC-Paint25) and two finish coats of baked enamel (FS A-A-2962) applied to steel surfaces. Color to be selected by Project Architect from manufacturer's standard colors.

PART 3 EXECUTION

3.01 INSTALLATION

- A. Install Work of this Section in accordance with manufacturer's printed instructions, except otherwise indicated or specified.
- B. Set units with no more than 1/2" between pilasters and panels, and no more than 1" clearance between panels and walls.
- C. Tolerances
 1. Maximum acceptable variation for plumb in lines and surfaces of the Work of this Section is 1/8" in any five (5) feet.

3.02 ADJUSTING

- A. Adjust leveling devices, door hardware, and operating parts for smooth operation.
 1. Set hinges of in-swing doors to hold doors open approximately 35 degrees from closed position when unlatched.
 2. Set hinges of out-swing doors to return to fully closed position.
 3. Lubricate hardware for proper operation.

3.03 CLEANING

- A. Clean exposed surfaces and touch up finish imperfections with materials and methods recommended by manufacturer.

END OF SECTION