

PART 1 - GENERAL

1.01 DESCRIPTION OF WORK

- .1 Extent of toilet partitions are indicated on drawings.
- .2 Types of toilet partitions required include the following:
  - .1 Solid Plastic, floor anchored and overhead braced.
- .3 Toilet accessories are specified elsewhere in Division 10.

1.02 QUALITY ASSURANCE

- .1 Field Measurements: Take field measurements prior to preparation of shop drawings and fabrication to ensure proper fitting of work. However, allow for adjustments within specified tolerances wherever taking of field measurements before fabrication might delay work.
- .2 Coordination: Furnish inserts and anchorages which must be built into other work for installation of toilet partitions and related work; coordinate delivery with other work to avoid delay.

1.03 SUBMITTALS

- .1 Product Data: Submit manufacturer's detailed technical data for materials, fabrication, and installation, including catalog cuts of anchors, hardware, fastenings, and accessories.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- .1 Available Manufacturers: Subject to compliance with requirements, manufacturers offering products which may be incorporated in the work shall be one of the following:

American Sanitary Partition Corp.  
General Partitions Mfg. Corp.  
Hadrian-Inc. Co.  
Metpar Steel Products Corp.  
Sanymetal Products Co.

2.02 MATERIALS

- .1 General: Provide materials which have been selected for surface flatness and smoothness. Exposed surfaces which exhibit pitting, seam marks, roller marks, stains, discolorations, telegraphing of core material, or other imperfections on finished units are not acceptable.
- .2 Steel Sheets for Baked Enamel Finish: ASTM A 591, Class C, galvanized-bonderized, of

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following minimum thicknesses:

Pilasters:	16 gage
Panels and Screens:	20 gage
Doors:	22 gage

- .3 Concealed Anchorage Reinforcement: Minimum 12-gage galvanized steel sheet.
- .4 Concealed Tapping Reinforcement: Minimum 14-gage galvanized steel sheet.
- .5 Core Material for Metal Partitions: Manufacturer's standard sound-deadening honey comb of impregnated Kraft paper, in thickness to provide finished dimension of 1" minimum for doors, panels, and screen, 1-1/4" minimum for pilasters.
- .6 Pilaster Shoes: ASTM A 167, Type 302/304 stainless steel, not less than 3" high and 20 gage, finished to match hardware.
- .7 Stirrup Brackets: Manufacturer's standard design for attaching panels to walls and pilasters, either chromium-plated non-ferrous cast alloy ("Zamac") or anodized aluminum.
- .8 Hardware and Accessories: Manufacturer's standard design, heavy-duty operating hardware and accessories of chromium-plated non-ferrous cast alloy ("Zamac").
- .9 Anchorages and Fasteners: Manufacturer's standard exposed fasteners of stainless steel, chromium-plated steel, or brass finished to match hardware, with theft-resistant type heads and nuts. For concealed anchors, use hot-dip galvanized, cadmium-plated, or other rust-resistant protective-coated steel.

**2.03 FABRICATION**

- .1 General: Furnish standard doors, panels, screens, and pilasters fabricated for partition system, unless otherwise indicated. Furnish units with cutouts, drilled holes, and internal reinforcement to receive partition-mounted hardware, accessories, and grab bars, as indicated.
- .2 Door Dimensions: Unless otherwise indicated, furnish 24" wide in swinging doors for ordinary toilet stalls and 32" wide (clear opening) out swinging doors at stalls equipped for use by handicapped.
- .3 **Metal** Toilet Partitions and Screens:
  - .1 General: Pressure laminate seamless face sheets to core material and seal edges with continuous interlocking strip or with lapped and formed edges. Weld edges and corners, with exposed welds ground smooth.
  - .2 Floor and Ceiling Anchored Partitions: Furnish galvanized steel anchorage devices, complete with threaded rods, lock washers, and leveling adjustment nuts at

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pilasters, to permit structural connection at floor. Furnish shoe at each pilaster to conceal anchorage. Provide structural support in ceiling as required by manufacturer.

- .3 Hardware: Furnish hardware for each compartment in partition system, as follows:
  - .1 Hinges: Cutout inset type, adjustable to hold door open at any angle up to 90E. Provide gravity type spring-action cam type, or concealed torsion rod type, to suit manufacturer's standards.
  - .2 Latch and Keeper: Manufacturer's standard surface-mounted latch unit, designed for emergency access, with combination rubber-faced door strike and keeper.
  - .3 Coat Hook: Manufacturer's standard unit, combination hook and rubber-tipped bumper.
  - .4 Door Pull: Manufacturer's standard unit.

**2.04 FINISHES**

- .1 Baked Enamel Finish: Baked enamel on galvanized-bonderized steel. The finish shall meet or exceed the following:

<u>.1 Humidity</u>	<u>100% at 100EF</u>	<u>1000 hrs.</u>
<u>.2 Salt spray</u>	<u>20% @ 100EF</u>	<u>300 hrs.</u>
<u>.3 Water soak @ 110EF</u>		<u>1000 hrs.</u>
<u>.4 Hardness</u>		<u>2H min.</u>

- .2 Clean galvanized steel surfaces after fabrication and before application of enamel coating system, to remove processing compounds, oils, and other contaminants.
- .3 Prime metal with baked-on rust inhibitive primer.
- .4 Apply two coats of thermosetting enamel finish, applied by electrostatic process, and baked in accordance with paint manufacturer's instructions.
- .5 Colors: To be selected by Architect, from manufacturer's standard colors.

**PART 3 - EXECUTION**

**3.01 INSTALLATION**

- .1 General: Comply with manufacturer's recommended procedures and installation sequence. Install partitions rigid, straight, plumb, and level. Provide clearances of not more than 2" between pilasters and panels, and not more than 1" between panels and walls. Secure

panels to walls with not less than two stirrup brackets attached near top and bottom of panel. Locate wall brackets so that holes for wall anchorages occur in masonry or tile joints. Secure panels to pilasters with not less than two stirrup brackets located to align with stirrup brackets at wall.

- .2 Floor-Supported Partitions: Set pilaster units with anchorages having not less than 2" penetration into structural floor, unless otherwise recommended by partition manufacturer. Level, plumb, and tighten installation with devices furnished. Hang doors and adjust so that tops of doors are level with tops of pilasters when doors are in closed position.
- .3 Screens: Attach with concealed anchoring devices, as recommended by manufacturer to suit supporting wall structure. Set units to provide support and to resist lateral impact.
- .4 Accessories: Mount accessories to partition units in accordance with manufacturer's instructions.

**3.02 ADJUST AND CLEAN**

- .1 Hardware Adjustment: Adjust and lubricate hardware for proper operation. Set hinges on in swinging doors to hold open approximately 30E from closed position when unlatched. Set hinges on out swinging doors (and entrance swing doors) to return to fully closed position.
- .2 Clean exposed surfaces of partition systems using materials and methods recommended by manufacturer, and provide protection as necessary to prevent damage during remainder of construction period.

END OF SECTION 10160