

**SECTION 10160**  
**TOILET PARTITIONS**

**PART 1 - GENERAL**

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 DESCRIPTION OF WORK

- A. Extent of toilet partitions is indicated on drawings.
- B. Types of toilet compartments include:
  - 1. Solid plastic, homogenous color.
- C. Styles of toilet compartments include:
  - 1. Floor-anchored, overhead braced.
- D. Styles of screens include:
  - 1. Wall-hung.
- E. Toilet Accessories

1.03 SUBMITTALS:

- A. Product Data: Submit manufacturer's detailed technical data for materials, fabrication, and installation, including catalog cuts of anchors, hardware, fastenings, and accessories.
- B. Shop Drawings: Submit shop drawings for fabrication and erection of toilet partition assemblies not fully described by product drawings, templates, and instructions for installation of anchorage devices built into other work.
- C. Samples: Submit full range of color samples for each type of unit required. Submit 6" square samples of each color and finish on same substrate to be used in work, for color verification after selections have been made.

1.04 QUALITY ASSURANCE:

- A. Field Measurements: Take field measurements prior to preparation of shop drawings and fabrication where possible, to ensure proper fitting of work. However, allow for adjustments within specified tolerances where ever taking field measurements before fabrication might delay work.
- B. 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.

**PART 2 - PRODUCTS**

2.01 MANUFACTURERS:

- A. Available Manufacturers: subject to compliance with requirements, manufacturers offering products which may be incorporated in the work.

B. Manufacturer: Subject to compliance with requirements, provide products of one of the following:

1. Basis of Design: "POLY-MAR HD" by Santana Products Corporation
  - a. Capitol Partitions
  - b. General Partitions
  - c. Comtec Industries.

#### 2.02 MATERIALS:

- A. 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.
- B. Solid Plastic: High density, solid polyethylene with homogenous color throughout. Provide material not less than 1" thick, seamless construction with edges eased.
- C. Pilaster Shoes: ASTM A 167, Type 302/304 stainless steel, not less than 3/16" high, 20 gage, finished to match hardware.
- D. Stirrup Brackets: Manufacturer's continuous design for attaching panels and screens to walls and pilasters, either chromium-plated non-ferrous cast alloy ("Zamac") or anodized aluminum. Brackets shall be continuous.
- E. Hardware and Accessories: Manufacturer's standard design, heavy-duty operating hardware and accessories of chromium-plated non-ferrous cast alloy ("Zamac").
- F. Overhead-Bracing: Continuous extruded aluminum, anti-grip profile, with clear anodized finish.
- G. 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:

- A. 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.
- B. Door Dimensions: Unless otherwise indicated, furnish 24" wide inswinging doors for ordinary toilet stalls and 32" wide (clear opening) outswinging doors at stalls equipped for use by handicapped.
- C. 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 90 degrees. 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, sized to prevent door hitting mounted accessories.

4. Door Pull: Manufacturer's standard unit for out-swing doors.

#### 2.04 FINISHES:

- A. Color: One of manufacturer's standard colors in each room, as indicated or, if not indicated, as selected by Architect.

### **PART 3 - EXECUTION**

#### 3.01 INSTALLATION:

- A. General: Comply with manufacturer's recommended procedures and installation sequence. Install partitions rigid, straight, plumb, and level. Provide clearances of not more than 1/2" between pilasters and panels, and not more than 1" between panels and walls. Secure panels to walls with continuous stirrup brackets. Locate wall brackets so that holes for wall anchorages occur in masonry or tile joints. Secure panels to pilasters with continuous stirrup brackets located to align with stirrup brackets at wall. Secure panels in position with manufacturer's recommended anchoring devices.
- B. Overhead-Braced Partitions: Secure pilasters to floor and level, plumb, and tighten installation with devices furnished. Secure overhead-brace to each pilaster with not less than two fasteners. Hang doors and adjust so that tops of doors are parallel with overhead-brace when doors are in closed position.
- C. 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.
- D. Screens: Attach with continuous anchoring devices as recommended by manufacturer to suit supporting structure. Set units to provide support and to resist lateral impact.

#### 3.02 ADJUST AND CLEAN:

- A. Hardware Adjustment: Adjust and lubricate hardware for proper operation. Set hinges on inswinging doors to hold open approximately 30 degrees from closed position when unlatched. Set hinges on outswinging doors (and entrance swing doors) to return to fully closed position.
- B. 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