

SECTION 10 15 50 - TOILET COMPARTMENTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. This Section includes stock, manufactured toilet compartments.
- B. Types of toilet compartments and urinal screens include:
 - 1. Solid-polymer, homogenous color.
- C. Styles of toilet compartments include:
 - 1. Floor-anchored, overhead-braced.
- D. Toilet accessories, such as toilet paper holders and grab bars are specified in another Division 10 Section.

1.3 SUBMITTALS

- A. General: Submit the following.
- B. Product data for materials, fabrication, and installation including catalog cuts of anchors, hardware, fastenings, and accessories.
- C. Shop drawings for fabrication and erection of toilet compartment assemblies not fully described by product drawings, templates, and instructions for installation of anchorage devices built into other work.
 - 1. Show locations for compartment-mounted toilet accessories.
- D. Samples of full range of colors in form of pieces of plastic.
- E. Warranty: Manufactures to supply a written warranty covering all plastic components and plastic hardware against breakage, corrosion and delamination for a period of fifteen (15) years.

1.4 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 where taking of field measurements before fabrication might delay work.

- B. Coordination: Furnish inserts and anchorages which must be built into other work for installation of toilet compartments and related items. Coordinate delivery with other work to avoid delay.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Basis-of-Design Product: The design for toilet compartments is based on the product named. Subject to compliance with requirements, provide either the named product or a comparable product by one of the other manufacturers specified.

- 1. Solid-Polymer Units:

- a. Comtec Industries - Protec Series P300
- b. Santana Products Co.
- c. Capitol Partitions, Inc.
- d. Sanatec Industries, Inc.
- e. Sanyrnetal Products Corp.

2.2 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, or other imperfections on finished units are not acceptable.
- B. Solid-Polymer: High density, solid polymer resin with homogenous color throughout. Provide material not less than 1 inch thick with seamless construction with edges eased.
 - 1. Color and Pattern: One color and pattern in each room as selected by Architect from manufacturer's full range of colors and patterns.
- C. Pilaster Shoes and Caps: ASTM A 167, Type 302/304 stainless steel, not less than 3 inches high 0.0396 inch thick (20 gage), finished to match hardware.
- D. Stirrup Brackets: Manufacturer's standard design for attaching panels to walls and pilasters anodized aluminum. Full-height, (continuous) type.
- E. Heat-Sink Strip: Manufacturer's standard continuous, extruded-aluminum strip fastened to exposed bottom edges of solid-polymer components to prevent burning.
- F. Hardware and Accessories: Manufacturer's standard design, heavy duty operating hardware and accessories of chromium-plated, nonferrous cast alloy ("Zamac").
- G. Overhead Bracing: Continuous extruded aluminum. antigrip profile, with clear anodized finish.
- H. Anchorages and Fasteners: Manufacturer's standard exposed fasteners of stainless steel, with theft-resistant-type heads and nuts. Provide sex-type bolts for through-bolt applications. For concealed anchors, use hot-dip galvanized, cadmium-plated, or other rust-resistant protective-coated steel.

2.3 FABRICATION

- A. General: Furnish standard doors, panels, screens, and pilasters fabricated for compartment system. 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-inch made in-swinging doors for ordinary toilet stalls and 32-inch-wide (clear opening) out-swinging doors for stalls equipped for use by handicap persons.
- C. Overhead-Braced Compartments: Furnish galvanized steel supports, leveling bolts, fasteners, and anchors at pilasters as recommended by manufacturer to suit floor conditions. Make provisions for setting and securing continuous, extruded, aluminum, antigrip, overhead bracing at top of each pilaster. Provide shoe at each pilaster to conceal supports and leveling mechanism.
- D. Floor-Supported Compartments: Furnish galvanized steel anchorage devices complete with threaded rods, lock washers, and leveling adjustment nuts at pilasters to permit structural connection at floor. Provide shoe at each pilaster to conceal anchorage.
- E. Hardware: Furnish hardware for each compartment to comply with ANSI A117.1 for handicap accessibility and 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 handicap accessibility, 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 swinging doors. Provide pulls on both faces of handicap compartment doors.
 - 5. Door Bumper: Manufacturer's standard rubber-tipped bumpers at out swinging doors or entrance screen doors.

PART 3 EXECUTION

3.1 INSTALLATION

- A. General: Comply with manufacturer's recommended procedures and installation sequence. Install compartment units rigid, straight, plumb, and level. Provide clearances of not more than 1/2 inch between pilasters and panels, and not more than 1 inch 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. Secure panels in position with manufacturer's recommended anchoring devices.
- B. Overhead-Braced Compartments: 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. No evidence of drilling, cutting, or patching shall be visible in the finished mark.
- D. Finished surfaces shall be cleaned after installation and left free of imperfections.
- E. Authorized factory installers to be utilized.

3.1 ADJUST AND CLEAN

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

END OF SECTION