

SECTION 10 2113 - TOILET COMPARTMENTS AND SHOWER STALLS

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. Manufactured toilet and shower compartments.
 - 1. Types of toilet and shower compartments include:
 - a. Solid polymer toilet compartments configured as toilet and shower enclosures, entrance screens and urinal screens.
 - 2. Styles of compartments include:
 - a. Floor-anchored, overhead-braced.
 - 3. Styles of screens include:
 - a. Floor-anchored.
 - 4. 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 in accordance with Conditions of Contract and Division 1 Specification Sections.
- C. Product data for materials, fabrication, and installation including catalog cuts of anchors, hardware, fastenings, and accessories.
- D. 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.
- E. Samples of full range of colors in form of pieces of plastic.

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.

- B. Surface-Burning Characteristics: As determined by testing identical products according to ASTM E 84, or another standard acceptable to authorities having jurisdiction, by a qualified testing agency. Identify products with appropriate markings of applicable testing agency.
 - a. Flame-Spread Index: 75 or less.
 - b. Smoke-Developed Index: 450 or less.
- D. Regulatory Requirements: Comply with applicable provisions in the U.S. Architectural & Transportation Barriers Compliance Board's ADA-ABA Accessibility Guidelines and ICC/ANSI A117.] for shower and dressing compartments designated as accessible.

PART 2 - PRODUCTS

2.1 SOLID PHENOLIC-CORE UNITS

- A. Basis-of-Design Product: Subject to compliance with requirements, provide Bradley, Phenolic Series 400 "Sentinel" or comparable product by one of the following:
 - 1. Bobrick Washroom Equipment, Inc.
 - 2. General Partitions Mfg. Corp.
 - 3. Metpar Corp.
 - 4. Sanymetal; a Crane Plumbing company.
 - 5. Santana Products, Inc
- B. Toilet/Shower-Enclosure Style: Overhead braced
- C. Entrance-Screen Style: Overhead braced
- D. Urinal-Screen Style: Wall braced
- E. Door, Panel, Screen, and Pilaster Construction: Solid HDPE panel material, not less than 1 inch (25 mm) thick, seamless, with eased edges and with homogenous color and pattern throughout thickness of material.
 - 1. Integral Hinges: Configure doors and pilasters to receive integral hinges.
 - 2. Heat-Sink Strip: Manufacturer's standard, continuous, stainless-steel strip fastened to exposed bottom edges of solid-polymer components to prevent burning.
 - 3. Color and Pattern: One color and pattern as selected by Architect from manufacturer's full range.
- F. Pilaster Shoes: Fabricated from stainless-steel sheet, not less than 3 inches (76 mm) high, finished to match hardware.

- G. Urinal-Screen Post: Manufacturer's standard post design of monolithic phenolic urinal screen cut out at bottom to form a post with shoe matching that on the pilaster.
- H. Brackets (Fittings):
 - 1. Full-Height (Continuous) Type: Manufacturer's standard design; stainless steel

2.5 ACCESSORIES

- I. Door Hardware and Accessories: Manufacturer's standard design, heavy-duty, operating hardware and accessories.
 - 1. Material: Stainless steel
 - 2. Hinges: Manufacturer's standard, [continuous, cam type that swings to a closed or partially open position] [continuous, spring-loaded type
 - 3. Latch and Keeper: Manufacturer's standard, surface-mounted latch unit designed for emergency access and with combination rubber-faced door strike and keeper. Provide units that comply with regulatory requirements for accessibility at each compartment, accessible or not.
 - 4. Clothing Hooks: Manufacturer's standard clothing hooks in each toilet and shower compartment; include one combination hook and rubber-tipped bumper at in-swinging doors, sized to prevent door from hitting wall panel or compartment-mounted accessories.
 - 5. Door Bumper: Manufacturer's standard, rubber-tipped bumper at out-swinging doors.
 - 6. Door Pull: Manufacturer's standard unit at out-swinging doors that complies with regulatory requirements for accessibility. Provide units on both sides of doors at compartments designated as accessible.
- J. Overhead Bracing: Manufacturer's standard, continuous, extruded-aluminum head rail or cap with anti-grip profile; in manufacturer's standard finish.
- K. Seats: Manufacturer's standard, panel-mounted or wall-mounted benches.
 - 1. Material: Solid phenolic-core
 - 2. Finish: As selected by Architect from manufacturer's full range match enclosure panels
- L. Anchorages and Fasteners: Manufacturer's standard, exposed fasteners of stainless steel, chrome-plated steel, or solid brass, finished to match the items they are securing; with theft-resistant-type heads. Provide sex-type bolts for through-bolt applications. For concealed anchors, use stainless steel, hot-dip galvanized steel, or other rust-resistant, protective-coated steel.

PART 3 - EXECUTION

3.1 INSTALLATION

- B. 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.

- C. 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.
- D. Screens: Attach with anchoring devices as recommended by manufacturer to suit supporting structure. Set units to provide support and to resist lateral impact.

3.2 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 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 10 21 13