

SECTION 10155

TOILET PARTITIONS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Solid Surface toilet compartments.

1.2 RELATED SECTIONS

- A. Section 10800 - Toilet, Bath, and Laundry Accessories.

1.3 REFERENCES

- A. ANSI/ICC A117.1 - Accessible and Usable Buildings and Facilities.
- B. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

1.4 SUBMITTALS

- A. Product Data: Manufacturer's product data for materials, fabrication, and installation including catalog cuts of anchors, hardware, fastenings, and accessories including:
 - 1. Preparation instructions and recommendations.
 - 2. Storage and handling requirements and recommendations.
 - 3. Installation methods.
 - 4. Care and Cleaning
- B. Shop Drawings:
 - 1. Provide shop drawings for fabrication and installation of compartment assemblies that are not fully described by architectural drawings.
 - 2. Provide template layouts and installation instructions for anchorage devices built into other work.
- C. Verification Samples: For each finish product specified, two samples, minimum size 2 inches by 2 inches, representing actual product, color, and patterns.

1.5 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum 5 years manufacturing toilet partitions.
- B. Installer Qualifications: Minimum 2 years experience installing toilet partitions.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.7 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits. Manufacturers storage and handling instruction shall be reviewed and maintained.
- B. Field Measurements: Take field measurements prior to component fabrication to ensure proper fitting of work.
- C. Coordination: Furnish inserts and anchorages that will be built into other work for installation of toilet compartments and related items.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Ampco Products, LLC; 11400 N. W. 36th Ave., Miami, FL 33167. ASD. Tel: (305) 821-5700. Fax: (305) 507-1414. Email: info@ampco.com. Web: <http://www.ampco.com>
- B. Acceptable Manufacturer: Ampco Products Washington; 4520 B Street, Suite B, Auburn, WA 98001 ASD. Tel: (253) 852-5900. Fax: (253) 856-2859. Email: Email: washington@ampco.com. Web: <http://www.ampco.com>
- C. Substitutions: Not permitted.
- D. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 COMPARTMENTS AND SCREENS

- A. General: Doors, panels, screens, and pilasters assembled into complete compartment system processed and fabricated in a craftsmanlike manner; complying with ANSI/ICC A117.1, Americans with Disabilities Act (ADA), and as follows:
- B. Toilet Compartments: Floor Mounted Overhead braced.
 - 1. Compartment Depth and Width: As indicated on drawings.
 - 2. Door Opening Width: 24 inches (610 mm), minimum; at wheelchair accessible compartments, 32 inches (813 mm), inside clear minimum.
 - 3. Doors and Panels:
 - a. Top at 70 inches (1778 mm) above finished floor.
 - b. Bottom at 12 inches (305 mm) above finished floor.
 - 4. Pilaster Width: As required to fit space; minimum 3 inches (76 mm).
 - 5. Pilaster Height: max. 82 inches (2083 mm) including head rail.
- C. Toilet Compartments: Floor to ceiling pilasters.
 - 1. Ceiling Height: 108 inches (mm). Varies
 - 2. Compartment Depth and Width: As indicated on drawings.
 - 3. Door Opening Width: 24 inches (610 mm), minimum; at wheelchair accessible compartments, 32 inches (813 mm), inside clear minimum.
 - 4. Doors and Panels:
 - a. Top at 70 inches (1778 mm) above finished floor.
 - b. Bottom at 12 inches (305 mm) above finished floor.

5. Pilaster Width: As required to fit space; minimum 3 inches (76 mm) at wall.

D. Urinal Screens:

1. Style: Pilaster supported.
2. Style: Wall mounted..
3. Depth: 12 inches (305 mm).
4. Depth: 18 inches (457 mm).
5. Depth: 24 inches (610 mm).
6. Height: Top at 60 inches (1524 mm) and bottom at 18 inches (458 mm) above finished floor.

2.3 SOLID SURFACE MATERIAL COMPONENTS

- A. Doors, Panels, and Pilasters: Polyester and/or acrylic non-porous solid surfacing material with alumina trihydrate filler, impervious to water and moisture; matte finish; joints tightly bonded minimizing visible seams; edges polished, eased and free of milling marks.
1. Acceptable Panel Products: Solid Surface.
 2. Material: Flame spread index of 25, maximum; smoke developed index of 100, maximum; when tested in accordance with ASTM E 84 (Class A).
 3. Color: _____
 4. Door Thickness: ½" in (13 mm), with 3 in (76 mm) reinforcements
 5. Pilaster Thickness: 1" in (25 mm)
 6. Panel Thickness: ½" in (13 mm)
- B. Fabrication: Standard
1. Furnish standard doors, panels, screens and stiles fabricated for compartment system. Furnish units without cutouts and drilled holes to receive compartment hardware as required.
 2. Solid surface material shall be processed and fabricated in a craftsman like manner. All surfaces shall have a matte finish. Joints shall be tightly bonded to minimize visible seams. Edges shall be polished, eased and free of milling marks.
- C. Hardware - Standard:
1. Brackets Stir up: Stainless Steel with Number 4 satin finish hardware, 3 per connection.
 2. Hinges: Heavy duty, surface mounted stainless steel.
 3. Latch and Keeper: Stainless Steel with Number 4 finish; slide latch with combination stop and emergency release feature.
 4. Coat Hook: cast stainless steel with Number 4 finish; combination hook and bumper for inswinging doors.
 5. Door Pull: cast stainless steel with Number 4 finish.
 6. Exposed Fasteners: Stainless Steel.
 7. Shoes: Stainless Steel.
- D. Optional Features:
1. Brass inserts for panel to pilaster connection.
 2. Solid Surface shoes.
 3. Trim covers to conceal panel supporting brackets.
 4. Continuous "U" brackets for all connections.
 5. Continuous Stainless Steel bracket for urinal screens.
 6. Continuous Stainless Steel hinges.

2.4 ACCESSORY MATERIALS

- A. Pilaster and Shoes: Stainless Steel; not less than 5 inches (76 mm) high; Number 4 satin (brushed) finish.
- B. Overhead Bracing: Continuous extruded aluminum, anti-grip profile, with clear satin anodized finish, with returns and anchors.
- C. Anchorages and Fasteners: Manufacturer's standard chrome-plated or stainless steel exposed fasteners finished to match hardware with theft-resistant type heads.
 - 1. Concealed Fasteners: Zinc-plated, rust-resistant steel with protective coating.
 - 2. Overhead Braced: Aluminum support and galvanized leveling bolts at pilasters bottom to suit floor conditions as recommended by manufacturer; provisions for setting and securing overhead bracing at top of each pilaster; pilaster shoe to conceal supports and leveling mechanism.
 - 3. Floor to Ceiling: Structural Aluminum supports with threaded rods on bottom, L plate top, all fasteners as required; pilaster shoe to conceal anchorages.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. General: Install in accordance with manufacturer's instructions.
 - 1. Install compartment units rigid, straight, plumb and level.
 - 2. Provide clearance of not more than 1/2 inch (12 mm) between stiles and panels and not more than 1 inch (25 mm) between panels and walls.
 - 3. Secure panels to walls with not less than three brackets attached near top and bottom of panel.
 - 4. Locate wall brackets so holes for wall anchorages occur in masonry or tile joints.
 - 5. Secure panels to stiles with not less than three brackets located to align with brackets at wall.
 - 6. Secure panels in position with manufacturer's recommended anchoring devices.
 - 7. Level, plumb, and tighten installation with devices furnished.
- B. Floor Mounted Overhead Braced Compartments:
 - 1. Secure stile to floor.
 - 2. Secure overhead brace to each stile with fasteners supplied.

3. Hang doors and adjust so tops of doors are parallel with overhead brace when doors are in closed position.
- C. Floor to Ceiling Compartments:
 1. Hang doors and adjust so door bottoms are 12 inches (305 mm) off floor when doors are in closed position.
- D. Screens:
 1. Attach with anchoring devices as recommended by manufacturer to suit supporting structure.
 2. Set unit to provide support and to resist lateral impact.
- E. Hardware Adjustment: Adjust and lubricate hardware for proper operation. Set hinges on inswing doors to hold open approximately 30 degrees from closed position when unlatched. Set hinges on out-swing doors (and entrance swing doors) to return to fully closed position.

3.4 ADJUSTING AND CLEANING

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

END OF SECTION