

SECTION 10155

TOILET PARTITIONS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Solid Surface (Corian, Formica, Gibraltar, like or similar) 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. Submit under provisions of Section 01300.
- B. 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
- C. 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.
- D. Submit manufacturer's standard color selector.
- E. Verification Samples: For each finish product specified, two samples, minimum size 3 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. Substitutions: Not permitted.
- C. 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, with cutouts and drilled holes to receive hardware as indicated; 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 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: Euroline.
 - 1. Compartment Depth and Width: As indicated on drawings.
 - 2. Door Opening: 24 inches (610 mm), minimum; at wheelchair accessible compartments, 32 inches (813 mm), inside clear minimum.
 - 3. Doors, Panels, and Pilasters:
 - a. Top at (78 ½" – 79 ½") above finished floor.
 - b. Bottom (6 ½" – 7 ½") above finished floor.
 - 4. Pilaster Width with no door hinge: As required to fit space; minimum 3 inches (76 mm).
 - 5. Pilaster Width with door hinge: 5 inches (127 mm)
 - 6. No sight gaps on hinge side or lock side of door.
 - 7. Pedestal fastened to floor with concealed anchors.
- D. Toilet Compartments: Ceiling hung.
 - 1. Ceiling Height: 96 inches (2440 mm) typical. Varies.
 - 2. Compartment Depth and Width: As indicated on drawings.
 - 3. Door 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).
 - 6. Bottom of Pilasters: At 12 inches (305 mm) above finished floor.
- E. Toilet Compartments: Floor to ceiling pilasters.
 - 1. Ceiling Height: 96 inches (2440 mm). Varies
 - 2. Compartment Depth and Width: As indicated on drawings.
 - 3. Door 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.
- F. Modesty Panels: Floor mounted.
 - 1. Style: Floor leg integral with panel.
 - 2. Style: Floor mounted pilaster.
 - 3. Style: Floor to ceiling pilaster.
 - 4. Depth: As indicated on drawings.
 - 5. Other dimensions same as toilet compartments.
 - 6. Height: Top at 70 inches (1778 mm) and bottom at 12 inches (305 mm) above finished floor.
- G. Urinal Screens:
 - 1. Style: Floor leg integral with panel.

2. Style: Pilaster supported.
3. Style: Wall mounted.
4. Depth: 12 inches (305 mm).
5. Depth: 18 inches (457 mm).
6. Depth: 24 inches (610 mm).
7. Height: Top at 60 inches (1524 mm) and bottom at 12 inches (305 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 aluminum trihydrate filler, impervious to water, moisture, and heat; matte finish; joints tightly bonded minimizing visible seams; edges polished, eased and free of milling marks.
 1. Acceptable Panel Products: Formica Solid Surface; Wilsonart Gibraltar; Corian; Vendura Solid Surfacing or Avonite.
 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: To be selected from manufacturer's standard colors.
 4. Thickness: 1" inch (25 mm) available for Pilaster.
 5. Thickness: 3/4 inch (19 mm) available for Pilaster, Door and Panels.
 6. Thickness: 1/2 inch (12 mm) available Doors and Trim Covers.
 - 7.
- B. Fabrication:
 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: Stainless Steel with Number 4 satin finish hardware.
 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.
- D. Hardware - Euroline:
 1. Material: powder coated stainless steel finished aluminum material.
Hinges: Fully adjustable self positioning, with hinges set to allow door to fall open or close.
 2. Latch and Keeper/Indicator Bolt: Slide bar on interior with exterior indicator to indicate occupancy; also provide door bumper.

3. Coat Hook: Bumper and garment hook on interior of panel with rubber bumper.
4. Door Pull.
5. Pedestals: One adjustable height pedestal per side panel of compartment, with ground clearance of 6-1/2 inches (165 mm) to 7-1/2 inches (190 mm).
6. Exposed Fasteners: stainless steel.

2.4 ACCESSORY MATERIALS

- A. Pilaster Shoes, and Caps: 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 steel anchorage devices with threaded rod, lock washers, and leveling adjustment nuts at pilaster connection 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. Ceiling Hung: Structural aluminum/galvanized steel anchorage devices with threaded rod, lock washers, and leveling adjustment nuts at pilaster connection for structural support above finished ceiling; devices designed to support pilasters from structure without transmitting load to finished ceiling; pilaster shoe to conceal anchorages.
 4. 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, middle and bottom of panel.
 4. Locate wall brackets so holes for wall anchorages occur in masonry or tile joints.
 5. Secure panels to pilasters 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 pilaster to floor.
 2. Secure overhead brace to each pilaster with fasteners supplied.
 3. Hang doors and adjust so tops of doors are parallel with overhead brace when doors are in closed position.

- C. Ceiling Hung Compartments:
 1. Secure pilaster to supporting structure.
 2. Hang doors and adjust door so door bottoms are level with bottoms of pilasters when doors are in closed position.

- D. 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.

- E. 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.

- F. EuroLine Compartments:
 1. Install compartment units rigid, straight, plumb and level.
 2. Provide clearance of not more than 1/4 inch (6 mm) between pilasters and panels and not more than 3/8 inch (10 mm) between panels and walls.
 3. Secure panels to walls with three stirrup brackets.
 4. Secure panels to pilasters with three stirrup brackets to align with stirrup brackets at wall.
 5. Secure pedestals to floor and level, plumb, and tighten installation with devices furnished.
 6. Secure overhead angle brace to each pilaster.
 7. For screens: set units to provide support and to resist lateral impact.

- G. 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