

## SECTION 10155

### TOILET PARTITIONS

#### PART 1 GENERAL

##### 1.1 SECTION INCLUDES

- A. Solid high density polyethylene (solid plastic) toilet compartments.

##### 1.2 RELATED SECTIONS

- A. Section 05120 - Structural Steel: Supports for ceiling hung compartments.
- B. Section 10800 - Toilet, Bath, and Laundry Accessories.

##### 1.3 REFERENCES

- A. ANSI/ICC A117.1 - Accessible and Usable Buildings and Facilities.
- B. ASTM A 167 - Standard Specification for Stainless and Heat Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.

##### 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.
- 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. Selection Samples: For each finish product specified, two complete sets of color chips representing manufacturer's full range of available colors and patterns. Submit manufacturer's standard color selector.
- E. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, 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. Manufacturer's 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 NW 36th Avenue, 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: 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 69 inches (1752 mm) above finished floor.
    - b. Bottom at 14 inches (355 mm) above finished floor.
  - 4. Pilaster Width: As required to fit space; minimum 3 inches (76 mm).
  - 5. Pilaster Height: 81 inches (2057 mm) including head rail.
- C. 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 69 inches (1753 mm) above finished floor.
    - b. Bottom at 14 inches (356 mm) above finished floor.
  5. Pilaster Width: As required to fit space; minimum 3 inches (76 mm).
  6. Bottom of Pilasters: At 14 inches (356 mm) above finished floor.
- D. Toilet Compartments: Floor to Ceiling.
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 69 inches (1753 mm) above finished floor.
    - b. Bottom at 14 inches (356 mm) above finished floor.
  5. Pilaster Width: As required to fit space; minimum 3 inches (76 mm).
- E. 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. Height: Top at 69 inches (1753 mm) and bottom at 14 inches (356 mm) above finished floor.
  6. Other dimensions same as toilet compartments.
- F. 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 69 inches (1753 mm) and bottom at 14 inches (356 mm) above finished floor.

### 2.3 SOLID POLYETHYLENE (SOLID PLASTIC) PANEL COMPONENTS

- A. Doors, Panels, and Pilasters: High density polyethylene solid plastic; polymer resin construction; water and graffiti resistant; each panel one-piece construction without seams; seamless piece; edges free of milling marks.
1. Color: To be selected from manufacturer's standard colors.
  2. Color: \_\_\_\_\_.
  3. Doors, Panels Thickness: 1 inch (25 mm). Nominal.
  4. Height: 55 inches (1397 mm) net.
- B. Fabrication:
1. Furnish standard doors, panels, screens and pilaster fabricated for compartment system. Furnish units with cutouts and drilled holes to receive compartment hardware as indicated.
  2. Solid Plastic, High Density Polyethylene: Polymer resin material shall be one seamless piece. All edges are eased and free of milling marks.

- C. Hardware Set: Mounted with theft resistant thru-bolts.
  - 1. Brackets: Satin anodized Type 6063-T5 aluminum hardware.
  - 2. Hinges: Heavy duty extruded satin anodized Type 6063-T5 aluminum; two per door, except three for door widths exceeding 26 inches (660 mm); wrap around pilaster and door components and hinges are fully adjustable for door positioning.
  - 3. Latch and Keeper: Heavy duty extruded satin anodized Type 6063-T5 aluminum slide latch and keeper with emergency release.
  - 4. Coat Hook: Chrome plated non-ferrous metal; combination hook and bumper for inswinging doors.
  - 5. Door Pull: Heavy duty cast satin plated Zamac.
  - 6. Exposed Fasteners: Chrome plated brass or stainless steel.
  
- D. Hardware Set
  - 1. Brackets: Stamped stainless steel with number 4 satin finish.
  - 2. Brackets: Continuous aluminum 54-1/2 inches length (1384 mm) clear satin anodized
  - 3. Brackets: Continuous stamped stainless steel 54-1/2 inches length (1384 mm) number 4 satin finish.
  - 4. Hinges: Cast Type 304 stainless steel surface mounted with number 4 finish with gravity acting cam allowing doors to be set at various positions.
  - 5. Hinges: Continuous stainless steel cam 1/4 inch (6 mm) pin- 54-1/2 inches length (1384 mm). Allows doors to fully close for any outswing or handicapped accessible compartments. Inswing doors shall remain open at 20 degrees in rest position.
  - 6. Hinge: Clear satin anodized aluminum continuous spring tension hinge 54 inches length (1384 mm). Cover caps conceal the mounting fasteners.
  - 7. Latch and Keeper: Type 304 cast stainless steel with Number 4 finish; slide latch with combination stop and emergency release feature.
  - 8. Coat Hook: Type 304 cast stainless steel with Number 4 finish; combination hook and bumper on inswinging doors.
  - 9. Door Pull: Type 304 cast stainless steel with Number 4 finish.
  
- E. Hardware Set: Plastic Only
  - 1. Plastic Brackets to match color of the components. *(Available in 8 colors)*
  - 2. Plastic Shoes to match color of the components. *(Available in 8 colors)*

## 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 pilasters 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 pilaster 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. 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 pilasters 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. Secure divider panels to built-in anchorage devices using concealed fasteners.
  - 2. Hang doors and adjust so door bottoms are 14 inches (356 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. Hardware Adjustment: Adjust and lubricate hardware for proper operation. Set hinges on inswing doors to hold open approximately 20 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 inswing doors to hold open approximately 20 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