

# LEGACY POLYMER PRODUCTS, INC.

## Section 10 21 13.19 – PLASTIC TOILET COMPARTMENTS

### PART 1 – GENERAL

#### 1.1 RELATED DOCUMENTS

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

#### 1.2 SUMMARY

- A. This Section includes solid-polymer units as follows:
  - 1. Toilet Enclosures Overhead Braced
  - 2. Entrance Screens Overhead Braced
  - 3. Urinal Screens Wall Hung
- B. Related Sections include the following:
  - 1. Division 6 Section Rough Carpentry for blocking.
  - 2. Division 10 "Toilet and Bath Accessories" for toilet dispensers, grab bars, purse shelves, and similar accessories.

#### 1.3 SUBMITTALS

- A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimension of individual components and profiles, and finishes.
- B. Shops Drawings: Include plans, elevations, sections, details, and attachments to other work.
- C. Samples for Initial Selection: For each type of unit indicated upon request.
- D. Samples for Verification: Of each type of color and finish required for units upon request.

#### 1.4 PROJECT CONDITIONS:

- A. Field Measurements: Verify actual location of walls, columns, ceilings, and other construction contiguous with toilet compartments by field measurements before fabrication and indicate measurements on Shop Drawings.

1. Established Dimensions: Where field measurements cannot be made without delaying the Work, establish dimensions and proceed with fabricating toilet compartments without field measurements. Coordinate wall, floor, ceilings and other contiguous construction to ensure that actual dimensions correspond to established dimensions.

## PART 2 – PRODUCTS

### 2.1 SOLID – POLYMER UNITS

- A. Manufacturers: Subject to compliance with requirements, manufacturers offering products that may be incorporated into the Work include, but are not limited to the following:

1. Legacy Polymer Products, Inc., Poly Series. Dunmore, PA or approved equal.

- B. Door, Panel and Pilaster Construction: Solid high-density polyethylene (HDPE) panel material, seamless, with eased edges and with homogenous color and pattern throughout thickness of material. All plastic components shall be covered with a protective plastic masking.

1. Color and Pattern: Color and pattern as selected by Architect from manufacturer's full range of colors and patterns.

- C. Pilaster Shoes: Manufacturers standard design: High Density Polyethylene, one piece, molded, 3 inches high and available in manufacturer's complete range of colors.

- D. Brackets:

1. Full-Height (Continuous) Type: Manufacturer's standard design. Full length continuous PVC plastic, available in manufacturer's complete range of colors.

### 2.5 - ACCESSORIES

- A. Hardware and Accessories: Manufacturer's standard design, heavy-duty operating hardware and accessories.

1. Material: Polymer and/or Anodized aluminum.

- B. Overhead Bracing: Manufacturer's standard continuous, extruded-aluminum head rail with anti-grip profile and in manufacturer's standard finish.

- C. Anchorages and Fasteners: Manufacturer's standard exposed fasteners of stainless steel with theft-resistant-type heads. Provide sex-type bolts for through-bolt applications. For concealed anchors, use plastic.

## 2.6 – FABRICATION

- A. Overhead-Braced Units: Provide manufacturer’s standard corrosion-resistant supports, leveling mechanism, fasteners and anchors at pilasters to suit floor conditions. Make provisions for setting and securing continuous, head rail at top of each pilaster. Provide shoes at pilasters to conceal supports and leveling mechanism.
- B. Doors: Unless otherwise indicated, provide 24-inch (610 mm) wide swing doors for standard toilet compartments and 36-inch (914 mm) wide out-swinging doors with a minimum 32 inch (813 mm) wide clear opening for compartments indicated to be accessible to people with disabilities.
1. Hinges: Manufacturer’s standard integral hinge system. Pilaster to be machined to accept door and hinge mechanism. Hinge mechanism consists of a two-piece ½ inch diameter nylon pin with “Cam Action” and a 3/16 inch stainless steel pin inserted into lower portion of pilaster and door. A one-piece ½ inch diameter, 4 inch long nylon pin to be inserted into the top portion of the pilaster and door. Door closures to be field set to accommodate all conditions and allow for a positive opening and closing action free of impediment.
  2. Latch and Keeper: Manufacturer’s standard door strike and keeper fabricated from heavy aluminum extrusion with anodized finish and wrap-around flanges. Size of strike shall be 6 inch in length. Door latch housing shall be fabricated from heavy aluminum extrusion with anodized finish, surface-mounted. Slide bolt and button shall be heavy aluminum with black anodized finish.
  3. Coat Hook: Manufacturer’s standard combination hook and rubber-tipped bumper, sized to prevent door from hitting compartment-mounted accessories.
  4. Door Bumper: Manufacturer’s standard rubber-tipped bumper at out-swinging doors.
  5. Door Pull: Manufacturer’s standard unit at out-swinging door that complies with accessibility requirements of authorities having jurisdiction. Provide units on both sides of doors at compartments indicated to be accessible to people with disabilities.

## PART 3 – EXECUTION

### 3.1 - INSTALLATION

- A. General: Comply with manufacturer’s written installation instructions. Install units rigid, straight, level, and plumb. Secure units in position with manufacturer have recommended anchoring device.
1. Maximum Clearances:

- a. Pilasters and Panels: ½ inch (13 mm).
  - b. Panels and Walls: 1 inch (25mm).
- B. Overhead-Braced Units: Secure pilasters to floor and level, plumb, and tighten. Secure continuous head rail to each pilaster with not less than two fasteners. Hand doors to align tops of doors with tops of panels and adjust so tops of doors are parallel with overhead brace when doors are in closed position.
- C. Wall-Hung Urinal Screens: Attach with anchoring devices to suit supporting structure. Set units level and plumb and to resist lateral impact.

### 3.2 ADJUSTING

- A. Hardware Adjustment: Adjust and lubricate hardware according to manufacturer's written instructions for proper operation. Set hinges on in-swinging doors to hold doors open approximately 30 degrees from closed position when unlatched. Set hinges on out-swinging doors to return doors to fully closed position.

END OF SECTION - 10 21 13. 19