SECTION 10186

SOLID PLASTIC SHOWER AND DRESSING COMPARTMENTS

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Solid polymer plastic shower/dressing compartments.

B. Solid phenolic shower/dressing compartments.

C. Solid polymer plastic shower cabinets.

D. Solid phenolic shower cabinets.

E. Terrazzo shower receptors.

1.2 RELATED SECTIONS

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

B. Section 15410 - Plumbing Fixtures: Shower trim and piping, and connection of shower drain to waste piping.

1.3 SUBMITTALS

A. Shop Drawings: Show layout of compartments and cabinets.

B. Product Data: Manufacturer's catalog data on panels, pilasters, doors, hardware and fastening.

C. Color Charts: Manufacturer's complete range of colors.

D. Samples:
1. Of actual panel material.
2. Of actual hardware.

PART 2 PRODUCTS

2.1 MANUFACTURER

A. Provide products manufactured by Capitol Partitions, Inc., 9199 Red Branch Road, Columbia, MD, 21045. ASD. Tel: (410) 740-8870. Fax: (410) 740-8865.

B. Substitutions: Not permitted.

C. Requests for substitutions will be considered in accordance with provisions of Section 01600. Provide

data showing product and hardware are equivalent or better.

2.2 COMPARTMENTS

A. Shower/Dressing Compartments: Solid polymer plastic, overhead braced; Congress Series.

B. Shower/Dressing Compartments: Solid phenolic, overhead braced; Congress Series.

C. Unit Shower Cabinets: Solid polymer plastic, with terrazzo receptor; Presidential Series.

D. Unit Shower Cabinets: Solid phenolic, with terrazzo receptor; Presidential Series.

2.3 SOLID POLYMER MATERIALS

A. Panels: Solid polymer resin, stress relieved, with special mar-resistant "Pro-304" finish and uniform color throughout, with uniformly machined radius edges.
   1. Color: As selected from Poly-Pro or Poly-Pro Plus color line.
   2. Color: As selected from Poly-Stone color line.
   3. Color: As indicated on drawings.
   4. Color: _____.
   5. Compartments: Nominal 1 inch (25 mm) thick by 55 inches (1400 mm) high, of required depth.
   6. Shower Cabinets: Nominal 1 inch (25 mm) thick by 76 inches (1930 mm) high.

B. Doors: Same design and construction as specified for panels; nominal 1 inch (25 mm) thick by 55 inches (1400 mm) high.

C. Pilasters: Same design and construction as specified for panels and doors; nominal 1 inch (25 mm) thick by 82 inches (2080 mm) high.

D. Panel Anchors: Heavy extruded brite anodized type 6463T5 aluminum.
   1. Panels to Front Pilasters: Continuous bracket.
   2. Panels to Wall: Three double ear brackets.
   3. Panels to Wall: Continuous double ear bracket (panel height).
   4. Pilasters to Wall: Continuous single ear bracket (panel height).

E. Panel Anchors: Type 304 stainless steel, brush finish.

1. Panels to Front Pilasters: Three U brackets.
2. Panels to Wall: Three double ear brackets.
3. Panels to Wall: Continuous double ear bracket (panel height).
4. Pilasters to Wall: Continuous single ear bracket (panel height).

F. Panel Anchors: Extruded polymer resin in matching solid color.
1. Panels to Front Pilasters: Continuous U bracket.
2. Panels to Wall: Continuous double ear bracket (panel height).
3. Pilasters to Wall: Continuous single ear bracket (panel height).

G. Unit Shower Cabinet Corners: Baffle design continuous corner brackets.

H. Pilaster Floor Anchors: 1/8 inch (3 mm) thick aluminum angle and 1-3/4 inch (44 mm) tamper-proof screws.
1. Conceal floor fasteners with 4 inch (100 mm) high one-piece 18 gage (1.2 mm) Type 304 stainless steel floor shoe.

I. Top Bracing: Brite anodized aluminum channel 1-1/2 inch (38 mm) by 1-1/4 inch (32 mm) weighing no less than 0.75 lb per linear ft (1 kg/m) of anti-grip design to cap top of pilasters and secured on inside of compartment.
1. Where curtains are required in lieu of doors, provide integral curtain track in top bracing.
2. Headrail Brackets: 16 gage (1.5 mm) stainless steel.

2.4 SOLID PHENOLIC MATERIALS

A. Panels: Solid phenolic core material, compression molded, single piece construction with integral melamine surface and uniformly machined edges; no two-piece construction.
1. Color: As selected from Pro-Nolic color line.
2. Color: As indicated on drawings.
3. Color: _____.
4. Compartment Panels: Nominal 1/2 inch (12 mm) thick by 58 inches (1475 mm) high, of required depth.
5. Shower Cabinets: Nominal 1 inch (25 mm) thick by 76 inches (1930 mm) high.

B. Doors: Same design and construction as specified for panels; nominal 3/4 inch (19 mm) thick by 58 inches (1475 mm) high.

C. Pilasters: Same design and construction as specified for panels and doors; nominal 3/4 inch (19 mm) thick by 80 inches (2030 mm) high.

D. Panel Anchors: Heavy extruded brite anodized type 6463T5 aluminum.

E. Panel Anchors: Type 304 stainless steel, brush finish.
   1. Panels to Pilasters: Three U-brackets.
   2. Panels to Pilasters: Continuous U-bracket (panel height).
   3. Panels to Wall: Three double ear brackets.
   4. Panels to Wall: Continuous double ear bracket (panel height).
   5. Pilasters to Wall: Continuous single ear bracket (panel height).

F. Unit Shower Cabinet Corners: Baffle design continuous corner brackets.

G. Pilaster Floor Anchors: To mount pilasters 2 inches (50 mm) above finish floor; Type 304 stainless steel.
   1. 12 gage (2.6 mm) angle and two 5/16 inch (8 mm) threaded rods with leveling nuts and washers and lead double expansion shields.
   2. Conceal floor fasteners with 4 inch (100 mm) high one-piece 18 gage (1.2 mm) Type 304 stainless steel floor shoe.

H. Top Bracing: Brite anodized aluminum channel 1-1/2 inch (38 mm) by 1 inch (25 mm) of anti-grip design to cap top of pilasters and secured on inside of compartment.
   1. Where curtains are required in lieu of doors, provide integral curtain track in top bracing.
   2. Headrail Brackets: 16 gage (1.5 mm) stainless steel.

2.5 SHOWER COMPONENTS

A. Shower Receptors: Precast terrazzo, one piece, made using white portland cement and black and white marble chips, ground smooth.
   1. Size: 32 by 32 inches (812 x 812 mm), corner, surface mounted.
   2. Size: 36 by 36 inches (914 by 914 mm), corner, surface mounted.

3. Size: 40 by 40 inches (1016 by 1016 mm), straight, recessed 3/4 inches (19 mm) into floor for flush entrance.
4. Rabbet receptors to receive panels.
5. Drain: Integrally cast, for 2 inch (50 mm) pipe connection; with removable stainless steel strainer.

B. Shower Trim and Piping: See Section 15410.

C. Curtains: White vinyl, 8 mil (0.1 mm) thick, with hemmed edges and metal grommet-reinforced hook holes.
1. Length: 78 inches (1980 mm).
2. Hooks: Aluminum, with self-lubricating nylon carriers.

2.6 HARDWARE

A. Hardware: Provide all hardware and fasteners for a complete installation.
B. Door Hinges: 1/8 inch (3 mm) thick heavy extruded brite anodized type 6463T5 aluminum hinges that wrap around both the door and pilaster.
1. Solid Polymer: Fasten hinges to door and pilaster faces with 5/8 inch (16 mm) stainless steel tamper-proof screws and to edge of door and pilaster with a No.10 by 1 inch (25 mm) stainless steel screw.
2. Solid Phenolic: Fasten hinges to door and pilaster with one-way head thru-bolts.
3. Top Hinges: Opposing nylon cams factory set at 30 degrees open for in-swing and closed for out-swing.
4. Reinforce top hinge with a 1/4 inch (6 mm) stainless steel rod.

C. Door Hinges: Continuous contact piano hinge, made of extruded aluminum, not less than 1.5 lbs per linear ft (2.2 kg/m).
1. Knuckles: Nylon separators.
2. Pivot Pin: 1/4 inch (6 mm) Type 304 stainless steel.
3. Fasteners: 3/4 inch (19 mm) tamper-proof screws located 8 inches (200 mm) on-center on door and pilaster.
4. Conceal fasteners under a snap-on cover, fastened top and bottom with 5/8 inch (16 mm) stainless steel tamper-proof screws.
5. Spring: Internal; adjustable to hold door open or closed as shown on drawings.

D. Door Hinges: Surface-mounted continuous piano hinge, made of 16 gage (1.5 mm) Type 304 stainless steel.
   1. Guide Pin: 1/8 inch (3 mm) stainless steel.
   2. Fasteners: Six one-way head stainless steel machine screws per leaf on both door and pilaster, into threaded brass inserts or thru-bolted; inserts independent laboratory-tested to pull-out of 5,000 lb (2265 kg).
   3. Spring: Return door to closed.

E. Strike-Keeper and Throw Latch: Heavy extruded brite anodized type 6463T5 aluminum.

F. Strike and Latch: Disengages when door is lifted for emergency access.
   1. High density polymer resin combination strike and track fastened to door with two stainless steel screws into threaded brass inserts.
   2. 14 gage stainless steel latch sliding over 12 gage (2.6 mm) stainless steel keeper fastened to pilaster with two stainless steel tamper-resistant screws.

G. Coat Hook and Wall Bumper: Heavy chrome-plated Zamac fastened with 5/8 inch (16 mm) stainless steel tamper-proof screws.

H. Fasteners:
   1. Tamper-Proof: "Pro-Star".
   2. Floor and wall fasteners: No.14 by 1-3/4 inch (44 mm) tamper-proof screws with conical plastic anchors.
   3. All other fasteners: 5/8 inch (16 mm) stainless steel tamper-resistant screws or chrome plated brass thru-bolts.

PART 3 EXECUTION

3.1 INSTALLATION

A. Install partitions rigid, straight, plumb and level in accordance with manufacturer's instructions.

B. Set units with not more than 1/2 inch (12 mm) between pilasters and panels and not more than 3/4 inch (19 mm) between panels and walls.

C. Secure to structural concrete floor.
D. Hollow Stud Partitions: Secure panels to wood blocking inside partitions.

E. Adjust and lubricate hardware for proper operation after installation.
    1. Set hinges on in-swing doors to hold doors in the open or closed position when unlatched as shown on drawings.
    2. Set hinges on out-swing doors to return to the fully closed position.
    3. Remove protective plastic coating.

END OF SECTION