

SECTION 10
PLASTIC TOILET COMPARTMENTS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Solid plastic toilet compartments.
- B. Privacy screens.
- C. Attachment hardware, accessories and anchorage.

1.2 RELATED REQUIREMENTS

- A. Section 05 50 00 - Metal Fabrications: Concealed steel support members.
- B. Section 06 10 00 - Rough Carpentry: Blocking and supports.
- C. Section 10 28 00 - Toilet, Bath, and Laundry Accessories.

1.3 REFERENCE STANDARDS

- A. ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.
- B. ASTM B221 - Standard Specification for Aluminum and Aluminum Alloy Extruded Bars, Rods, Wire, Profiles and Tubes.

1.4 ADMINISTRATIVE REQUIREMENTS

- A. Coordination: Coordinate the work with placement of support framing and anchors in walls and ceilings.

1.5 SUBMITTALS

- A. See Section 01 30 00 - Administrative Requirements, for submittal procedures.
- B. Shop Drawings: Indicate partition plan, elevation views, dimensions, details of wall supports, door swings.
- C. Product Data: Provide data on panel construction, hardware, and accessories.
- D. Samples: Submit two samples of partition panels, 2x2 inch in size illustrating panel finish, color, and sheen.
- E. Manufacturer's Installation Instructions: Indicate special procedures.
- F. Sustainable Design Submittals:
 - 1. Recycled Content: Certify percentages of post-consumer recycled content.
 - 2. Regional Materials: Certify distance between project and manufacturer.

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Manufacturer is regularly engaged in the manufacturer of products specified in this section and whose products have been in satisfactory use under similar service conditions for not less than fifteen years.
- B. Installer Qualifications: Installer is regularly engaged in the installation of the products specified in this section with a minimum of five years experience.
- C. All plastic components are to be covered with a removable peel coat masking.
- D. Manufacturer guarantees plastic components against breakage, corrosion and delamination for a period of 15 years.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Basis of Design: YEMM & HART LTD.
 - 1. Yemm & Hart Ltd, Contact - tel: 573-783-5434, fax: 573-783-7544, email: yemmhart at hughes dot net, www.yemmhart.com.
 - 2. No substitutions permitted.

2.2 COMPONENTS

- A. Toilet Compartments: Factory fabricated doors, pilasters, and divider panels with 1/4" radius corners.
 - 1. Material: 100% Post-Consumer recycled high density polyethylene.
 - 2. Color: As selected by Architect - Product - Origins: Color Number & Color Name.
 - 3. Style: Overhead Braced.
- B. Door and Panel Dimensions:
 - 1. Thickness: 1 inch (25mm).
 - 2. Door Width: See drawings.

3. Door Width for Handicapped: 36 inch, out-swinging.
4. Door & Panel Height: **Choose:** 55 inch (1.397m up to 72 inch (1.829m).
5. Thickness of Pilasters: 1 inch (25mm).
6. Height of Pilasters: 82 inch (2.083m).
7. Door Type: **Choose:** Standard or Zero-Sight.

2.3 ACCESSORIES

- A. Pilaster Shoes to conceal floor fastening: **Choose:** Stainless Steel or Plastic (specify color).
 1. Stainless Steel Formed per ASTM A666, Type 304, 20 ga. with No.4 finish, 3 inches (76mm) high.
 2. Plastic Shoes are to be one piece molded polyethylene, and 3 inches (76mm) high.
 3. Provide adjustment for floor variations with screw jack integral with pilaster.
- B. Pilaster Brackets: **Choose:** Stirrups 1-1/2 inch (38mm) or Continuous 54 inch (1.372m).
Choose: Aluminum (6463-T5 alloy) or Satin Stainless Steel (type 304, 20 gauge).
Choose: Continuous extruded PVC plastic (specify color).
- C. Wall Brackets: **Choose:** Stirrups 1-1/2 inch (38mm) or Continuous 54 inch (1.372m).
Choose: Aluminum (6463-T5 alloy) or Satin Stainless Steel (type 304, 20 gauge).
Choose: Continuous extruded PVC plastic (specify color).
- D. Attachments, Screws, and Bolts: Stainless steel, tamper proof type.
 1. For attaching panels and pilasters to brackets: 3/4 inch (19mm) screws or through-bolts and nuts; tamper proof type.
 2. For attaching brackets to walls: **Choose:** 1-1/2 inch (38mm) or 2-1/2 inch (63mm); tamper proof.
- E. Hardware: **Choose:** Aluminum or Satin Stainless Steel
 1. **Choose (if Aluminum):** 8" (203mm) Wrap-Around hinges or Integral Hinges, adjustable for door close positioning.
Choose (if Stainless Steel): Continuous hinges, gravity type, adjustable for door close positioning.
 2. Door Latch: Slide type **Choose (if Aluminum):** with built-in emergency access feature.
Choose (if Stainless Steel): with door slot exterior emergency access feature.
 3. Door strike and keeper: **Choose (if Aluminum):** 6 inch (152mm) with vinyl bumper; mounted on pilaster in alignment with door latch. **Choose (if Stainless Steel):** 2-1/2 inch (63mm) with vinyl bumper; mounted on pilaster in alignment with door latch.
 4. All doors with **Choose:** Zamak or Stainless Steel coat hook with rubber bumper; one per compartment, mounted on door.
 5. Outswing doors with **Choose:** Zamak or Stainless Steel wall stop with rubber bumper mounted on door.
 6. Provide **Choose:** Zamak or Stainless Steel door pull on both sides of outswing/accessible doors.
 7. Provide aluminum heat sink on the lower edge of all panels and doors.
- F. Headrail: Heavy duty extruded aluminum (6463-T5 alloy) with anti-grip design and integrated curtain track.
 1. Headrail brackets: 20 gauge stainless steel.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Verify that field measurements are as indicated.
- B. Verify correct spacing of and between plumbing fixtures.
- C. Verify correct location of built-in framing, anchorage, and bracing.

3.2 INSTALLATION

- A. Install partitions secure, rigid, plumb, and level in accordance with manufacturer's instructions.
- B. Maintain 3/8 to 1/2 inch (9.5 to 12mm) space between wall and panels and between wall and end pilasters.
- C. Attach panel brackets securely to walls using anchor devices.
- D. Attach panels and pilasters to brackets. Locate head rail joints at pilaster center lines.

3.3 TOLERANCES

- A. Maximum Variation From True Position: 1/4 inch (6mm).
- B. Maximum Variation From Plumb: 1/8 inch (3mm).

3.4 ADJUSTING

- A. Adjust and align hardware to uniform clearance at vertical edge of doors, not exceeding 3/16 inch (4mm).
- B. Adjust hinges to position doors in partial open position when unlatched. Return out-swinging doors for accessible stalls to closed position.

3.5 SCHEDULES

- A. See Drawings.

END OF SECTION