

*Specifier notes are shown in italics and should be deleted from the final document. Generally all of the manufacturer's products in this category are listed and the specifier must take care to delete those products not included in the project.*

*Depending on the relative complexity of the project, the specifier may choose to combine two or more Compartment and Cubicle Sections into one Section, Section 10150 Compartments and Cubicles, corresponding to the CSI MasterFormat .*

*Edit each Article in this Section to suit project requirements.*

## **SECTION 10170**

### **PLASTIC TOILET COMPARTMENTS**

#### **PART 1 GENERAL**

##### **1.01 SECTION INCLUDES**

- A. Overhead braced, floor mounted solid plastic compartments.
- B. Floor mounted, ceiling braced solid plastic compartments.
- C. Solid plastic privacy and urinal screens.
- D. Hardware and fittings.

##### **1.02 RELATED SECTIONS**

- A. Section (*select Sections that describe the anchoring substrate: floor and walls*).
- B. Section 10810-Toilet Accessories.

##### **1.03 REFERENCES**

- A. ADA Accessibility Guidelines for Buildings and Facilities.
- B. ASTM A666 - Standard Specification for Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.

##### **1.04 SUBMITTALS**

- A. Provide submittals in accordance with Conditions of the Contract and Section 01330-Submittal Procedures.

- B. Submit shop drawings showing layout, door swings, profiles, and product components, including anchorage, accessories and finish colors.
- C. Submit product data on panel construction, hardware, and accessories.
- D. Submit two samples 4 x 4 inch (102 x 102 mm) in size illustrating panel finish, color, and sheen.
- E. Submit maintenance data for installed products in accordance with Section 01780-Closeout Submittals.

#### 1.05 DELIVERY, STORAGE AND HANDLING

- A. Generally comply with provisions of Section 01600-Product Requirements.
- B. Comply with manufacturer's ordering instructions and lead time requirements to avoid construction delays.
- C. Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
- D. Store materials indoors, in a supported vertical position, protected from weather conditions and construction activities.

#### 1.06 PROJECT CONDITIONS

- A. Building enclosed, completely protected from outside weather with minimum inside temperature of 60 F.

#### 1.07 WARRANTY

- A. Provide manufacturer's fifteen year warranty against corrosion, breakage and delamination of panels.

### **PART 2 PRODUCTS**

#### 2.01 MANUFACTURERS

- A. The Mills Company, a subsidiary of Bradley Corporation, P.O. Box 309, Menomonee Falls, WI 53052-0309. Phone 800-BRADLEY (800-272-3539), FAX 262-251-5817. <http://www.bradleycorp.com>
- B. Substitutions: [Section 01600 - Product Requirements] [Not Permitted].

#### 2.02 MANUFACTURED UNITS

- A. Overhead braced compartments, "Bradmar"-Series 400 (*specify colors and options*).

- B. Floor mounted and ceiling braced, series 700 (Specify color and options).
- C. Urinal screens, panels(*specify color and options*).

### 2.03 COMPONENTS

- A. Panels, doors and pilasters, 1 inch (25 mm) thick, constructed from high density polyethylene resins compounded under high pressure to form a single component, waterproof, non-absorbent, with a self-lubricating surface.
  - 1. Edges: Rounded to a  $\frac{1}{4}$  inch (6 mm) radius.
  - 2. Doors and panels 55 inches (1397 mm) high mounted 14 inches (356 mm) above finished floor, with aluminum heat sink fastened to bottom edge of doors.
- B. Pilasters 82 inches (2083 mm) high, [minimum 5 inches (127 mm) wide for integral hinges], same construction as panels and doors, supported by pilaster shoe anchored to floor.

### 2.04 Accessories

- A. One-piece pilaster shoes, 3 inch (76 mm) high type 304 stainless steel with #4 satin brushed finish, anchored in place with stainless steel screws.
- B. Head Rails: 1 x 1-1/2 inch (25 x 38 mm) anodized aluminum tube with anti-grip profile and cast socket wall brackets.
- C. Brackets: Continuous 54 inch (1372 mm) long [aluminum] [stainless steel] [extruded PVC] single or double ear style.

(OR)

[Brackets: Aluminum, stirrup style.]
- D. Fasteners, screws and bolts: Tamper proof stainless steel.
- E. Hardware: Extruded aluminum 6463-T alloy and chrome-plated non-ferrous cast metal.
  - 1. Hinge system integrated with doors and pilasters with no exposed metal parts. Hinge mechanism integrated into door and pilaster as a  $\frac{1}{2}$  inch (13 mm) diameter gravity cam unit with 3/16 inch (5 mm) stainless steel pin at door bottom and  $\frac{1}{2}$  inch (13 mm) nylon pin at top.
  - 2. Latches fabricated from extruded aluminum with a clear anodized satin finish for the housing and a black anodized finish for the slide bolt.
  - 3. Door strike and keeper, 6 inches (152 mm) long fabricated from extruded aluminum with clear

anodized satin finish and wraparound flanges.  
Bumper is flexible vinyl.

4. Coat hook with wall bumper, chrome-plated; one per compartment, mounted on door.
5. Door pull and door stop for each out swinging door.

## **PART 3 EXECUTION**

### 3.01 EXAMINATION

- A. Verify that finishes and plumbing are complete and acceptable for the installation of toilet compartments.
- B. Verify field measurements are as shown on approved shop drawings.
- C. Verify correct spacing of plumbing fixtures.
- D. Verify correct location of built-in framing, blocking, anchorage, and bracing.

### 3.02 INSTALLATION

- A. Comply with manufacturer's written instructions for installation of compartments.
- B. Anchor panel brackets to construction using anchors suitable for supporting substrate.
- C. Attach panels and pilasters to brackets. Locate head rail joints at pilaster centerlines.
- D. Attach clamp design head rail over pilaster and secure to front with screws.

### 3.03 ADJUSTING

- A. Section 01700 - Execution Requirements: Testing, adjusting, and balancing.
- B. Adjust and align hardware to uniform clearance at vertical edge of doors, not exceeding 3/16 inch (5 mm).
- C. Adjust hinges to position doors in [partially] [fully] opened position when unlatched. Return out swinging doors to closed position. (*Note: Out swinging doors require wall or panel to limit door travel to maximum 105 degrees.*)
- D. Correct minor damage to installed products; remove and replace work that cannot be satisfactorily repaired.

### 3.04 CLEANING

- A. Remove packaging and construction debris, and legally dispose of off-site.

### 3.05 SCHEDULE

*(Where multiple units are specified, it might be best to give them a "mark" and create a schedule).*

**END OF SECTION**