

*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 10165**

### **PLASTIC LAMINATE TOILET COMPARTMENTS**

#### **PART 1 GENERAL**

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

- A. Overhead braced, floor mounted plastic laminate compartments.
- B. Floor mounted and braced plastic laminate compartments.
- C. Ceiling hung plastic laminate compartments.
- D. Floor mounted, ceiling braced plastic laminate compartments.
- E. Plastic laminate privacy and urinal screens.
- E. Hardware and fittings.

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

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

##### **1.03 REFERENCES**

- A. ADA Accessibility Guidelines for Buildings and Facilities.
- B. ANSI A208.1 - Wood Particleboard.
- C. ASTM A666 - Standard Specification for Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.
- D. NEMA LD 3 - High Pressure Decorative Laminates.

#### 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 three year warranty against discoloration and delamination of panels.
- B. Provide manufacturer's five year warranty for chrome hardware and lifetime warranty for stainless steel hardware.

### **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, "Sentinel"-Series 400 (*specify laminate manufacturer, color and options*).
- B. Floor mounted and braced compartments, Series 500 (*specify laminate manufacturer, color and options*).
- C. Ceiling hung compartments, Series 600 (*specify laminate manufacturer, color and options*).
- D. Floor mounted and ceiling braced compartments, Series 700 (*specify laminate manufacturer, color and options*).
- E. Privacy and urinal screens, panels (*specify laminate manufacturer, color and options*).

## 2.03 COMPONENTS

- A. Panels and doors 1 inch (25 mm) thick, consisting of 0.48 high pressure plastic laminate bonded to 45 pound density industrial grade particleboard using non toxic adhesive.
  - 1. Plastic laminate shall meet or exceed NEMA standards.
  - 2. Laminate door and panel edges before faces to achieve maximum protection from moisture penetration.
- B. Pilasters 1- $\frac{1}{4}$  inch (32 mm) thick, same construction as panels and doors, with  $\frac{3}{8}$  inch (10 mm) threaded rods for [floor] [ceiling] anchoring, and hex nuts and washers for adjustment.

## 2.04 Accessories

- A. Four piece pilaster shoes, 4 inch (102 mm) high 300 series stainless steel, anchored in place with chrome plated screws.
- B. Head Rails: 1- $\frac{1}{4}$  x 1- $\frac{1}{2}$  inch (25 x 38 mm) anodized aluminum tube with anti-grip profile and cast socket wall brackets.
- C. Brackets: [Chrome-plated non-ferrous cast metal] [stainless steel with brushed finish].
- D. Fasteners, screws and bolts: Tamper proof [chrome-plated] [stainless steel].
- E. Hardware: [Chrome-plated non-ferrous cast metal] [stainless steel].
  - 1. Wrap around hinge brackets through-bolted to pilasters for gravity cams.

2. Surface mounted slide latch with emergency egress release, meeting ADA standards.
3. Wrap around door strike/keeper.
4. Coat hook with rubber wall bumper; 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 and approved shop drawings 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**