

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 10160

METAL TOILET COMPARTMENTS

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Overhead braced, floor mounted painted steel compartments.
- B. Overhead braced, floor mounted stainless steel compartments.
- C. Floor mounted and braced painted steel compartments.
- D. Floor mounted and braced stainless steel compartments.
- E. Ceiling hung painted steel compartments.
- F. Ceiling hung stainless steel compartments.
- G. Floor mounted, ceiling braced painted steel compartments.
- H. Floor mounted, ceiling braced stainless steel compartments.
- I. Painted steel privacy and urinal screens.
- J. Stainless steel privacy and urinal screens.

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. ASTM A653/A653M - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process.
- C. ASTM A666 - Standard Specification for Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.
- D. FS AA-60003 - Partitions, Toilet, Complete.

1.04 SUBMITTALS

- A. Provide submittals in accordance with Conditions of the Contract and Section 01330-Submittal Procedures.
- B. Submit shop drawings showing layout, 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 panels rusting from the inside.
- 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 painted steel compartments, "Sentinel"-Series 400 (*specify color and options*).
- B. Overhead braced stainless steel compartments, "Sentinel"-Series 400 (*specify color and options*).
- C. Floor mounted and braced painted steel compartments, Series 500 (*specify color and options*).
- D. Floor mounted and braced stainless steel compartments, Series 500 (*specify finish and options*).
- E. Ceiling hung painted steel compartments, Series 600 (*specify color and options*).
- F. Ceiling hung stainless steel compartments, Series 600 (*specify finish and options*).
- G. Floor mounted and ceiling braced painted steel compartments, Series 700 (*specify color and options*).
- H. Floor mounted and ceiling braced stainless steel compartments, Series 700 (*specify finish and options*).
- I. Privacy and urinal screens, painted steel panels (*specify color and options*).
- J. Privacy and urinal screens, stainless steel panels (*specify finish, and options*).

2.03 COMPONENTS

- A. Steel sheet: ASTM A653/A653M, with G90/Z275 zinc coating.
- B. Stainless steel sheet: ASTM A666, 300 series.
- C. Panels, doors, and pilasters: Sheet steel faces, pressure bonded to moisture-resistant honeycomb core, formed as a two piece unit to interlock for a watertight fit, with brazed corners ground smooth.
- D. Panels and doors 1 inch (25 mm) thick, minimum 22 gauge face material.
- E. Pilasters 1- $\frac{1}{4}$ inch (32 mm) thick, minimum 20 gauge face material.

- F. Internal reinforcement: 16 and 14 gauge in doors at hinge locations; provide factory installed concealed molybdenum cam. 18 gauge channel for anchoring pilaster.
- G. Door top drilled to receive top hinge pin; latch holes pre-punched to allow field installation of slide latch.

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 concealed retainer clips.
- B. Head Rails: 1-1/4 x 1-1/2 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 concealed in door.
 - 2. Concealed slide latch T290 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.

2.05 FACTORY FINISHING

- A. Baked enamel steel compartments: Clean, degrease, and neutralize. Follow immediately with electrostaticly applied high solid density enamel.
- B. Stainless steel compartments: [ANSI No. 4 finish, with the grain (belting) running the long dimension of the component] [5WL textured][leather grain textured].

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.

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 of 105 degrees.)*
- D. Touch-up scratches and 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