

**SECTION 10 21 13
TOILET COMPARTMENTS**

SPEC WRITER NOTES:

- 1. Delete between // // if not applicable to project. Also delete any other item or paragraph not applicable in the section and renumber the paragraphs.
- 2. See VA Standard Details 10162-1 and 10162-2.
- 3. See 40 CFR 247 for guidelines on the use of recycled materials.

PART 1 - GENERAL

1.1 DESCRIPTION

- A. This section specifies // metal // solid phenolic // solid polyethylene // toilet partitions, // and // urinal screens, // and // entrance screens.

1.2 RELATED WORK

- A. Section 05 50 00, METAL FABRICATIONS: Overhead structural steel supports for ceiling hung pilasters.
- B. Section 09 06 00, SCHEDULE FOR FINISHES: Color of baked enamel finish.
- C. Section 10 28 00, TOILET, BATH, AND LAUNDRY ACCESSORIES: Grab bars and toilet tissue holders.

1.3 SUBMITTALS

- A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
- B. Samples: Prime coat of paint on 150 mm (six-inch) square of metal panel with baked enamel finish coat over half of panel.
- C. Manufacturer's Literature and Data: Specified items indicating all hardware and fittings, material, finish, and latching.
- D. Shop Drawings: Construction details at 1/2 scale, showing installation details, anchoring and leveling devices.
- E. Manufacturer's certificate, attesting that zinc-coatings conform to specified requirements.

1.4 APPLICABLE PUBLICATIONS

- A. Publications listed below form a part of this specification to the extent referenced. Publications are referenced in the text by the basic designation only.
- B. Federal Specifications (Fed. Spec.):
FF-B-575C.....Bolt, Hexagon and Square

- C. Code of Federal Regulations (CFR):
 - 40 CFR 247.....Comprehensive Procurement Guidelines for
Products Containing Recovered Materials
- D. Commercial Item Descriptions (CID):
 - A-A-1925.....Shield, Expansion (Nail Anchors)
 - A-A-60003.....Partitions, Toilet, Complete

PART 2 - PRODUCTS

SPEC WRITER NOTES:

1. Use of ceiling hung toilet partitions and entrance screens is required at not more than 2400 mm (8 ft) ceiling height to provide stability and resistance to lateral force.
2. Verify drawings show dropped ceiling for support of pilasters at 2400 mm (8 ft) height.
3. Use of other support methods, for floor and overhead bracing will be permitted only with written permission. Do not use cantilevered or wall hung assemblies.

2.1 TOILET PARTITIONS

- A. //Solid phenolic // solid polyethylene //: water resistant; graffiti resistant; non-absorbent; contain a minimum 30 percent post-consumer recycled plastic; Class C flame spread rating.
- B. Conform to Fed. CID A-A-60003, except as modified herein.
- C. Fabricate to dimensions shown or specified.
- D. Toilet Enclosures:
 1. Type 1, Style B (Ceiling hung) // A (Floor supported). // C (overhead braced) //.

SPEC WRITER NOTE: Use the following paragraph for toilet partitions used in Mental Health and Behavioral Patient Care Units.

2. Toilet partitions used in Mental Health and Behavioral Patient Care Units shall be free of anchor points. Partitions shall have no overhead connecting framing that could be used as an anchor point for hanging.
3. Reinforce panels shown to receive toilet tissue holders or grab bars.
4. Upper pivots and lower hinges adjustable to hold doors open 30 degrees.

- 5. Latching devices and hinges for handicap compartments shall comply with ADA requirements.
- 6. Keeper:
 - a. U-slot to engage bar of throw latch.
 - b. Combined with rubber bumper stop.
- 7. Wheelchair Toilets:
 - a. Upper pivots and lower hinges to hold out swinging doors in closed position.
 - b. Provide U-type doors pulls, approximately 100 mm (four inches) long on pull side.
 - c. Toilet Partition products shall comply with following standards for biobased materials:

Material Type	Percent by Weight
Phenolic Partition	55 percent biobased material

- 8. Finish:
 - a. Finish 1 (baked enamel) on steel doors, pilasters, and enclosure panels except those adjacent to urinals and as specified.
 - b. Finish 3 (stainless steel) on panel of enclosure panels adjacent to urinals // and on dividing partitions used in Spinal Cord Injury (SCI) Bowel Training Area //.
 - SPEC WRITER NOTE: Use bracket with not less than four anchor bolts each side full height of screen.
 - c. Toilet Partition products shall comply with following standards for biobased materials:

Material Type	Percent by Weight
Phenolic Partition	55 percent biobased material

- d. The minimum-content standards are based on the weight (not the volume) of the material in the insulating core only.
- E. Urinal Screens:
- 1. Type III, Style E (wall hung), finish 2 or 3.
 - a. With integral flanges and continuous, full height wall anchor plate.
 - b. Option: Full height U-Type bracket.
 - c. Wall anchor plate drilled for 4 anchors on both sides of screen.
 - 2. Screen 600 mm (24 inches) wide and 1060 mm (42 inches high).

SPEC WRITER NOTE: Use the following paragraph for urinal screens used in Mental Health and Behavioral Patient Care Units.

3. Urinal screens used in Mental Health and Behavioral Patient Care Units shall be angled downward at the top of the screen at least 30 degrees to eliminate a possible anchor point to prevent hanging

F. Room Entrance Screens:

1. Type II, Style B, (ceiling hung) // style A (Floor supported) // style C (Overhead Braced) // Style E (Floor-to-ceiling Post Supported) //.
2. Self-closing doors swinging into the toilet room.
3. Provide door pull on pull side and flat stainless steel push plate 250 mm by 70 mm (10 inches by 2-3/4 inches) with beveled ground edges, locate 1200 mm (four feet) above floor.
4. Provide door stop with rubber bumper on pilaster opposite pull.
5. Where doors open against wall, provide rubber tipped bumpers having a three inch projection, at point of contact of top edge of door.
6. Finish the same as toilet enclosures.

G. Toilet Partition products shall comply with following standards for biobased materials:

Material Type	Percent by Weight
Phenolic Partition	55 percent biobased material

- H. The minimum-content standards are based on the weight (not the volume) of the material in the insulating core only.

2.2 FASTENERS

- A. Partition Fasteners: CID A-A-60003.
- B. Use expansion bolts, CID A-A-60003, for anchoring to solid masonry or concrete.
- C. Use toggle bolts, CID A-A-60003, for anchoring to hollow masonry or stud framed walls.
- D. Use steel bolts FS-B-575, for anchoring pilasters to overhead steel supports.

SPEC WRITER NOTE: Use the following paragraph for fasteners used in Mental Health and Behavioral Patient Care Units.

- E. Fasteners used in Mental Health and Behavioral Patient Care Units shall be tamper resistant

PART 3 - EXECUTION**3.1 INSTALLATION**

A. General:

1. Install in rigid manner, straight, plumb and with all horizontal lines level.
2. Conceal evidence of drilling, cutting and fitting in finish work.
3. Use hex-bolts for through-bolting.
4. Adjust hardware and leave in freely working order.
5. Clean finished surfaces and leave free of imperfections.

B. Panels and Pilasters:

1. Support panels, except urinal screens, and pilaster abutting building walls near top and bottom by stirrup supports secured to partitions with through-bolts.
2. Secure stirrups to walls with two suitable anchoring devices for each stirrup.
3. Secure panels to faces of pilaster near top and bottom with stirrup supports, through-bolted to panels and machine screwed to each pilaster.
4. Secure edges of panels to edges of pilasters near top and bottom with "U" shaped brackets.
5. //Where overhead braced, secure pilasters to building walls by headrails clamped on or set into top of each pilaster.
 - a. Secure clamps to pilasters with two through-bolts to each clamp.
 - b. When headrails are set into pilasters, through-bolt them to the pilasters.
 - c. Support headrails on wall flange fittings secured to building walls with minimum of two anchor bolts to each flange fitting. //

C. Urinal Screens:

1. Anchor urinal screen flange to walls with minimum of four bolts both side of panel.
2. Space anchors at top and bottom and equally in between.

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