SECTION 10 21 13

TOILET COMPARTMENTS

PART 1 - GENERAL

1.1 DESCRIPTION

A. This section specifies solid polyethylene toilet partitions, and urinal screens, entrance screens.

1.2 RELATED WORK

A. Overhead structural steel supports for ceiling hung pilasters: Section 05 50 00, METAL FABRICATIONS.

B. Color of baked enamel finish: Refer to Room Finish Schedule indicated on the Drawings.

C. Grab bars and toilet tissue holders: Section 10 28 00, TOILET, BATH, AND LAUNDRY ACCESSORIES.

1.3 SUBMITTALS

A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.

Samples:

1. Each type of material, color, and finish required for units, prepared on 6-inch- (152-mm-) square Samples of same thickness and material indicated for Work.
2. Each type of hardware and accessory.

B. Manufacturer's Literature and Data: Specified items indicating all hardware and fittings, material, finish, and latching.

C. Shop Drawings: Construction details at 1/2 scale, showing installation details, anchoring and leveling devices.

D. 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.):

1. FF-B-575C Bolt, Hexagon and Square

C. Code of Federal Regulations (CFR):

1. 40 CFR 247 Comprehensive Procurement Guidelines for Products Containing Recovered Materials

D. Commercial Item Descriptions (CID):

1. A-A-1925 Shield, Expansion (Nail Anchors)

2. A-A-60003 Partitions, Toilet, Complete

PART 2 - PRODUCTS

2.1 FABRICATION

A. General: Refer to Room Finish Schedule indicated on the Drawings.

B. Solid phenolic: water resistant; graffiti resistant; non-absorbent; contain a minimum 30 percent post consumer recycled plastic; Class C flame spread rating.

C. Conform to Fed. CID A-A-60003, except as modified herein.

D. Fabricate to dimensions shown or specified.

E. Toilet Enclosures:

1. Type 1, Style B (Ceiling hung).

2. Reinforce panels shown to receive toilet tissue holders or grab bars.

3. Upper pivots and lower hinges adjustable to hold doors open 30 degrees.

4. Latching devices and hinges for handicap compartments shall comply with ADA requirements.

5. Keeper:

a. U-slot to engage bar of throw latch.

b. Combined with rubber bumper stop.

6. 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.

F. Framework: Top and side aluminum frame. Extruded satin anodized headrail and vertical posts, with integral full height door closing buffer. Lock locates directly into vertical post section.

G. Door: 12 mm thick, paper reinforced Phenolic sheet. Supported on engineered anodized aluminum foot, with concealed height adjustment, incorporating sealed bearing providing self-closing mechanism. Pivots between foot and aluminum head rail, with anti finger trap clearance on pivot side of door.

H. Divider: 12 mm thick, paper reinforced Phenolic sheet. Supported on engineered anodized aluminum foot, with concealed height adjustment.

I. Fittings: Engineered anodized aluminum lock, with concealed fixing through door, which locates directly into aluminum framework. Incorporating 18mm solid aluminum bar, with replaceable hard nylon shear tip and emergency release facility. Machined aluminum flush studs to door face. 4mm thick aluminum brackets with flush allen key stainless steel through fixings for wall, door and panel fixings.

J. Urinal Screens: Same material as divider, wall hung per manufacturer's recommendations and as indicated on the Drawings.

1. With integral flanges and continuous, full height wall anchor plate.
2. Option: Full height U-Type bracket.
3. Wall anchor plate drilled for 4 anchors on both sides of screen.
4. Screen 600 mm (24 inches) wide and 1060 mm (42 inches high).

K. Finish:

1. Door and Divider: Refer to Room Finish Schedule indicated on the Drawings.
2. Aluminum Finish: Satin anodized.

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.

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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