SECTION 10 21 13
TOILET COMPARTMENTS

PART 1 - GENERAL

1.1 DESCRIPTION

This section specifies solid polyethylene toilet partitions.

1.2 RELATED WORK

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

B. 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.

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.

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

2.1 FABRICATION

A. 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).
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.

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 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.

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