

SECTION 10165

LAMINATED PLASTIC TOILET PARTITIONS

1.0 GENERAL

1.1 DESCRIPTION:

- A. Related work specified in other sections:
 - 1. Rough carpentry and blocking.
 - 2. Ceramic tile.
 - 3. Miscellaneous steel supports.

1.2 SUBMITTALS:

- A. Shop drawings: Indicate plans and elevations of partitions, construction and fabrication details, anchoring and leveling details, plastic laminate manufacturer, thickness, colors and patterns, hardware accessories and fastenings. Include manufacturer's installation and maintenance instructions. Clearly mark specific items provided for this project on manufacturer's literature.
- B. Samples:
 - 1. Panel: Submit 1'-0" by 1'-0" sample of panel showing core construction with two sides and two edges, including one finished corner condition.
 - 2. Hardware: Submit actual samples of each hardware item required.
 - 3. Plastic laminate: Submit samples of scheduled plastic laminate manufacturer's colors and patterns for Architect's selection.

1.3 JOB CONDITIONS:

- A. Coordinate gypsum board walls to receive toilet partitions so that blocking is attached between studs at points where toilet partition mounting brackets will be located.
- B. Install toilet partitions after plumbing fixtures and floor, wall and ceiling finishes have been installed.

1.4 QUALITY CRITERIA:

- A. Applicable standards; Latest edition of the standards of the following, as referenced herein:
 - 1. American Iron and Steel Institute (AISI)
 - 2. National Electrical Manufacturers Association (NEMA)
- B. Design criteria: In order to be acceptable, partition manufacturers shall be capable of providing plastic laminate manufacturer's colors and textures specified.

2.0 PRODUCTS

2.1 COMPARTMENTS:

- A. Acceptable manufacturers, subject to compliance with specified requirements:
 - 1. Accurate Partitions Corp.
 - 2. All American Metal Corp.
 - 3. American Sanitary Partition Corp.
 - 4. Ampco Products, Inc.
 - 5. Bobrick Washroom Equipment, Inc.
 - 6. General Partitions Mfg. Corp.
 - 7. Global Steel Products Corp.
 - 8. The Sanymetal Products Co., Inc.

- B. Types: Floor supported partitions.

2.2 BASIC MATERIALS:

- A. Particleboard: Meeting ANSI A208.1, Type I, mat-formed, manufactured of long fibered cuttings, bonded with water-resistant adhesive; weighing minimum of 42.5 lbs/cu. ft., filled on faces to be painted.

- B. Plastic Laminate:
 - 1. See Drawings

- C. Adhesive: Thermosetting resin type.

- D. Stainless steel: AISI Type 302/304; #4 satin finish.

- E. Hardware and fittings:
 - 1. Hinges: Chrome plated, non-ferrous metal or stainless steel, polished finish; concealed gravity type hinges with nylon or stainless steel pivot pins and nylon, self-oiling, graphite-bronze or thrust-frictionless bearings for moving parts. Hinges shall be mounted within door structure and shall be adjustable so as to return door by gravity to a preset position when not latched.
 - 2. Wall brackets: Chrome plated, non-ferrous metal, polished finish; for attachment of panels to wall and panels to pilasters.
 - 3. Pilaster base: Manufacturer's standard galvanized anchorage device for attachment of pilaster to supporting floor and for leveling of compartment. Include threaded rods, saddle, lock washers, leveling nuts and minimum of two brass or lead expansion shields. Anchors shall penetrate floor at least 1-1/2".
 - 4. Pilaster shoes: Stainless steel, 3" high, hemmed top and bottom edges, die formed to fit pilaster, satin finish.
 - 5. Latch, bumper and keeper: Chrome plated, non-ferrous metal or stainless steel, polished finish.
 - 6. Coat hook for outswinging doors: Chrome plated, non-ferrous metal, polished finish. Mount to compartment door at 4'-6" A.F.F..
 - 7. Door pull for outswinging doors: Chrome plated, non-ferrous metal or stainless steel, polished finish.

8. Wall bumper for outswinging doors: Chrome plated, non-ferrous metal, polished finish with rubber bumper; wall mounted.
 9. Combination bumper/coat hood for in-swinging doors: Chrome-plated non-ferrous metal, polished finish with rubber bumper.
- F. Fasteners:
1. Exposed fasteners: Stainless steel or chrome plated brass, with theft-resistant one-way heads.
 2. Unexposed fasteners: Galvanized steel, hot-dip coated following fabrication.

2.3 FABRICATION:

- A. Construction: High pressure plastic laminate over particleboard construction; all edges faced with plastic laminate material.
- B. Fabricate components in accord with manufacturer's standard practice, without seams in plastic laminate except at corners. Exposed edges of plastic laminate shall be beveled.
- C. Panel thicknesses:
 1. Doors and panels: 1" minimum.
 2. Pilasters: 1-1/4" minimum.
- D. Pre-notch and pre-drill panels for hardware at factory. Conceal reinforcement for hardware installation.
- E. Secure templates and factory-cut panels for installation of accessories furnished under other sections.
- F. Headrail: Plastic-laminate-faced, all exposed faces and edges; full length of compartment run, for mounting to back side of pilasters. Provide infill between pilasters to align with plane of pilasters. Attach infill to backup without exposed fasteners, with hairline fit to pilasters.

3.0 EXECUTION

3.1 WORKMANSHIP:

- A. Erect partitions plumb, attached to supporting structure as indicated on approved shop drawings.
- B. Clearances:
 1. Between panel and pilaster: 1/2", except where concealed fasteners are used.
 2. Between door edge and pilaster: 1/4".
 3. Between panel and wall: 1".
- C. Conceal evidence of drilling, cutting and fitting to room finishes.

3.2 ERECTION:

- A. Attach partitions to backup construction using fasteners indicated on approved shop drawings.
- B. Secure panels to walls with minimum of three stirrup brackets, attached near top, center and bottom of panel.
- C. Locate wall brackets so that holes for fasteners occur on masonry and tile joints.
- D. Floor-supported compartments:
 - 1. Attach pilasters to supporting floor with pilaster base as indicated on approved shop drawings.
 - 2. Level and plumb partitions. Tighten pilaster hanger fasteners.
 - 3. Secure pilaster shoes in position against finished floor.
 - 4. Set tops of doors parallel with headrail when doors are in closed position.
- E. Wall-hung urinal screens:
 - 1. Attach screens to supporting wall construction with brackets and fasteners indicated on approved shop drawings.
 - 2. Position and level units. Tighten fasteners in place.

3.3 ADJUSTMENT AND CLEANING:

- A. Lubricate and adjust hardware. Tighten fasteners.
- B. Set hinges on in-swinging doors to hold doors open approximately 15 degrees from closed position when unlatched.
- C. Set hinges on out-swinging doors to return to closed position.
- D. Remove protective coverings from partitions and hardware.
- E. Clean exposed surfaces of partitions and hardware by washing with neutral detergent and water. Rinse with clean water.

END OF SECTION