

## SECTION 10165

### PLASTIC LAMINATE/METAL TOILET COMPARTMENTS

#### PART 1 - GENERAL

##### 1.1 SECTION INCLUDES

- A. Plastic laminate/metal toilet compartments, floor mounted, head rail braced.

##### 1.2 RELATED SECTIONS

- A. Section 10800 - Toilet and Bath Accessories.

##### 1.3 REFERENCES

- A. ANSI A117.1 - Safety Standards for the Handicapped.
- B. ANSI A208.1 - Mat Formed Wood Particleboard.
- C. APA - American Plywood Association.
- D. ASTM A167 - Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.
- E. NEMA LD-3 - High Pressure Decorative Laminates.

##### 1.4 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Shop Drawings: Indicate partition plan, elevation views, dimensions, details of wall, floor, and ceiling supports, door swings.
- C. Product Data: Provide data on panel construction, hardware, and accessories.
- D. Manufacturer's Installation Instructions: Indicate special procedures, perimeter conditions requiring special attention.

##### 1.5 REGULATORY REQUIREMENTS

- A. Conform to ANSI A117.1.

##### 1.6 FIELD MEASUREMENTS

- A. Verify that field measurements are as indicated on shop drawings.

##### 1.7 COORDINATION

BDS/2005-143

10165 - 1

- A. Coordinate the work with placement of support framing and anchors in wall.

## **PART 2 - PRODUCTS**

### **2.1 ACCEPTABLE MANUFACTURERS**

- A. AMPCO.
- B. Bobrick.
- C. Santana
- D. Rockville Partitions, Inc.
- E. Partition Manufacturers of America, Inc.
- F. Monarch Toilet Partition, Inc.
- G. Metpar Corp.
- H. Kickerbocker
- I. Global Steel Products Corp.
- J. General Partitions
- K. Flush Metal Partition
- L. Tex-Lam

### **2.2 MATERIALS (Overhead Braced Partitions)**

- A. Wood Particle Board Core: 3 ply, 42/45 lb. density.
- B. Plastic Laminate: NEMA LD-3 General Purpose Type 0.062 inch thick.
- C. Adhesive: Contact Manufacturer's standard.

### **2.3 ACCESSORIES**

- A. Pilaster Shoe: Formed 304 stainless steel with No. 4 finish, with adjustable screw jack.
- B. Head Rails: Hollow aluminum tube, with anti-grip strips and cast socket wall brackets.
- C. Attachments, Screws, and Bolts: Stainless steel; tamper proof type, heavy duty extruded aluminum brackets.
- D. Through Bolts and Nuts: Stainless steel with tamper proof heads.

- E. Steel Plate Reinforcement: Carbon steel, prepared for fasteners, 1/8 inch thick.
- F. Hardware: Chrome plated non-ferrous cast metal:
  - 1. Pivot hinges, gravity type, adjustable for door close positioning.
  - 2. Nylon bearings.
  - 3. Thumb turn door latch with exterior emergency access feature.
  - 4. Door strike and keeper with rubber bumper.
  - 5. Coat hook with rubber bumper.
  - 6. Door pull for outswinging doors.

#### 2.4 FABRICATION

- A. Fabricate partitions by applying single sheet plastic laminate finish to faces and edges of core material using adhesive and pressure bonding.
- B. Seal edges of cut-outs. Bevel corners and edges.
- C. Reinforce plaster and panels with steel plate reinforcement sandwiched, within particle core at attachment points. Router cut openings as required.
- D. Doors and Panels:
  - 1. Thickness: 1 inch.
  - 2. Door Width: 24 inch.
  - 3. Door Width for Handicapped Use: 36 inch and 34 inch.
  - 4. Height: 58 inch.
- E. Thickness of Pilasters: 1-1/4 inch.
- F. Headrail to be installed at H.C. stalls from plaster to wall in addition to standard.
- G. In Boys Toilet install plastic partitions with metal doors. In Girls Toilet install metal partitions and metal doors.

#### 2.5 FINISHING

- A. Plastic Laminate, Single Color: Color as selected.
- B. Stainless Steel Surfaces: No. 4 finish.
- C. Exposed Steel Surfaces: Polished chrome plated.
- D. Non-ferrous Surfaces: Polished chrome plated.

### PART 3 - EXECUTION

#### 3.1 EXAMINATION

- A. Verify correct spacing of and between plumbing fixtures.

- B. Verify correct location of built-in framing, anchorage, and bracing.

### 3.2 INSTALLATION

- A. Install partitions secure, rigid, plumb, and level in accordance with manufacturer's instructions.
- B. Maintain 3/8 to 1/2 inch space between wall and panels and between wall and end pilasters.
- C. Attached panel brackets securely to walls using anchor devices.
- D. Attach panels and pilasters to brackets with [tamper proof] through bolts and nuts. Locate head rail joints at pilaster center lines.
- E. Anchor urinal screen panels to walls with two panel brackets and vertical upright consisting of pilaster tubular head rail stock and sockets anchored to floor.
- F. Provide adjustment for floor variations with screw jack through steel saddles integral with pilaster. Conceal floor fastenings with pilaster shoes.
- G. Support pilasters from built-in framing using two adjustable hanging studs providing vertical leveling. Conceal ceiling fastenings with pilaster shoe.
- H. Equip each door with two hinges, one door latch, one coat hook and bumper; outswinging door with pull.
- I. Install door strike and keeper with door bumper on each pilaster in alignment with door latch.
- J. Field touch-up of scratches or damaged finish will not be permitted.
- K. Replace damaged or scratched materials with new materials.

### 3.3 ERECTION TOLERANCES

- A. Maximum Variation From True Position: 1/4 inch.
- B. Maximum Variation From Plumb: 1/8 inch.

### 3.4 ADJUSTING

- A. Adjust work under provisions of Section 01700.
- 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 partial opening position when unlatched. Return

- out- swinging doors to closed position.
- D. Adjust adjacent components for consistency of line or plane.

**END OF SECTION**

