

**SECTION 10171****SOLID PHENOLIC COMPARTMENTS****PART 1 - GENERAL****1.1 SUMMARY**

- A. Section includes: Solid phenolic toilet compartments, urinal screens, privacy screens including required fittings, hardware, and accessories.

**1.2 REFERENCES**

- A. Americans with Disabilities (ADA) Standards for Accessible Design.
- B. ANSI A117.1 - American National Standard for Buildings and Facilities - Providing Accessibility and Usability for Physically Handicapped People.
- C. ASTM A167 - Stainless and Heat Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.
- D. ASTM E84 - Surface Burning Characteristics of Building Materials.
- E. UFAS - Uniform Federal Accessibility Standards.

**1.3 SUBMITTALS**

Provide in accordance with Section 01330 - Submittal Procedures:

**1.4 QUALITY ASSURANCE**

- A. Products and installation shall comply with [ADA Standards] [ANSI A117.1] [UFAS] [\_\_\_\_\_].

**PART 2 - PRODUCTS****2.1 ACCEPTABLE MANUFACTURERS**

General Partitions Manufacturing Corporation, P. O. Box 8370, Erie, Pennsylvania;  
814-833-1154.

**2.2 TYPE**

- A. Toilet compartments: Series 40 - Floor Supported with Headrail as manufactured by General Partitions Manufacturing Corporation.
- B. Maximum Flame spread requirements of 35. Maximum smoke generation of 100 [for 1/2" thickness, 90 for 3/4", and 45 for 1" thickness.]

## **2.3 PANELS**

- A. Material: Solid phenolic core made of multiple layers of phenolic resin impregnated kraft paper compressed under heat and pressure. Face with high pressure melamine sheet fusion welded to surface of core.
  - 1. Resistant to delamination, water, steam, corrosion, soaps, detergents, and mildew.
  - 2. Edges: Black solid phenolic resin, radiused and polished.
  - 3. Fire hazard: Class B in accordance with ASTM E84 with 35 maximum flame spread and 100 maximum smoke development.
- B. Minimum thickness:
  - 1. Panels: [1/2 inch] [13 mm].
  - 2. Doors: [3/4 inch] [19 mm].
  - 3. Pilasters: [3/4 inch ] [25 mm].
- C. Sizes: [As indicated on Drawings.]
  - 1. Inswinging door: [24 inches] [610 mm] [\_\_\_\_\_] wide by 58 inches
  - 2. Outswinging door for use by persons with physical handicaps: Width to provide [32 inches] [813 mm] clear opening by 58 inches.

## **2.4 FITTINGS**

- A. Headrail: Extruded aluminum channel with anti-grip shape, designed to fit over top of pilasters, [1-7/8 by 1-25/32 inches] [48 by 45 mm].
- B. Attachment hardware: Chrome plated, one-way vandal proof sex bolts and No. 14

stainless steel metal screws of length recommended by manufacturer.

- C. Connection brackets: Non-ferrous cast alloy, chrome plated.
- D. Pilaster trim: Minimum [3 inches high 0.031 inch thick] [76 mm by 0.76 mm thick] stainless steel shoe.

## **2.5 HARDWARE**

- A. Hinges: [[8 inches] [203 mm] high extruded aluminum wrap around pivot hinges with nylon cams and adjustable for door closing position
- B. [Combination coat hook and rubber bumper] [Rubber tipped door bumper]: Cast alloy, chrome plated.
- C. Latch: Surface mounted, extruded aluminum slide latch that does not require twisting or turning of wrist to operate.
- D. Combination latch keeper and door stop with rubber bumper: Extruded aluminum.
- E. Door pull: Cast alloy, chrome plated, straight loop design.

## **2.6 FACTORY FINISHING**

- A. Color: [[\_\_\_\_\_] as provided by General Partitions Manufacturing Corporation.] [[Single color] [Maximum of [\_\_\_\_\_] colors] selected by Architect from manufacturer's [standard] [full] range.

## **PART 3 - EXECUTION**

### **3.1 PREPARATION**

- A. Coordinate requirements for blocking in stud walls to ensure proper support is provided for wall attachments.
- B. Verify that site conditions are ready to receive work and opening dimensions are as indicated on shop drawings.
- C. Verify correct spacing of plumbing fixtures.

### **3.2 INSTALLATION**

- A. Install partitions secure, plumb, and level in accordance with manufacturer's instructions.
- B. Maintain [3/8 to 1 inch] [10 to 25 mm] uniform space between wall and panels and

between wall and end pilasters.

- C. Attach panel brackets securely to walls using anchor devices recommended by manufacturer.
- D. Attach panels and pilasters to brackets with sheet metal screws.
- E. Brace pilasters with overhead rail. Locate headrail joints at pilaster center lines.
- F. Anchor pilaster to floor with heavy duty galvanized stainless steel angle plate, sheet metal screws, and anchors. Conceal floor fastenings with pilaster shoes.
- G. Door installation: Hang doors from pilasters. Equip each door with two pivot hinges, door latch, door strike and keeper, and coat hook and bumper. Install door pull on outswinging doors.

### **3.3 ERECTION TOLERANCES**

- A. Maximum variation from true position: [1/4 inch] [6 mm].
- B. Maximum variation from plumb: [1/8 inch] [3 mm].

### **3.4 ADJUSTING**

- A. Replace significantly damaged, deeply scratched, or broken panels.
- B. Adjust hinges to locate inswinging doors in partial open position and outswinging doors in closed position when unlatched.
- C. Adjust and align hardware to uniform clearance at vertical edge of doors.

### **3.5 CLEANING**

- A. Clean surfaces with liquid spray furniture or counter top polish. Do not use abrasives.

**END OF SECTION**