

SECTION 10161**STEEL TOILET COMPARTMENTS****PART 1 - GENERAL****1.1 SUMMARY**

Section includes: Baked enamel finished steel toilet compartments, and urinal screens as follows:

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 A526 - Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, Commercial Quality.
- D. UFAS - Uniform Federal Accessibility Standards.

1.3 SUBMITTALS

- A. 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: Panels supported by pilasters anchored to floor and braced overhead with headrail; Series 40 - Floor Supported with Headrail ; as manufactured by General Partitions Manufacturing Corporation.

2.3 PANELS

- A. Fabricate from two galvanized steel face sheets pressure bonded to honeycomb core.
- B. Face sheets: Steel sheet, ASTM A526 with G60 zinc coating. Minimum thickness:
 - 1. Partition, door, urinal screen, privacy screen, and shower panels: .025 +.002 -0.

2. Pilaster panels: .028.
- C. Minimum thickness:
 1. Panels and doors: [1 inch] [25 mm].
 2. Pilasters: [1-1/4 inches] [32 mm].
- D. Core: Sound deadening, moisture resistant, impregnated cardboard honeycomb. Adhere each cell to face sheets with moisture impervious adhesive.
- E. Edges: After assembling face sheets together, attach die drawn steel, radiused, smooth molding to all four panel sides.
- F. Corner reinforcement: At each panel corner, mechanically fuse formed steel corner reinforcement to panel edges.
 1. Inswinging door: 24 inches wide by 58 inches high.
 2. Outswinging door for use by persons with physical handicaps: Width to provide 32 inches clear opening by 58 inches high.

2.4 FITTINGS

- A. Headrail: Extruded aluminum channel with anti-grip shape, designed to fit over top of pilasters, [1-7/8 by 1-5/32 inches] [48 by 29 mm].
- B. Attachment hardware: Chrome plated, one-way vandal proof sex bolts and No. 14 plated 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: Chrome plated non-ferrous cast pivot hinges with nylon cams and adjustable for door closing position. Top hinge mounted within door cutout.
- B. [Combination coat hook and rubber bumper] [Rubber tipped door bumper]: Cast alloy, chrome plated.
- C. Concealed latch operating handle: Cast alloy, chrome plated mechanism that does not require twisting or turning of wrist to operate. Provide cover for exterior side.
- D. Combination latch keeper and door stop with rubber bumper: Cast alloy, chrome plated.

- E. Door pull: Cast alloy, chrome plated, straight loop design.

2.6 FACTORY FINISHING

- A. Clean, degrease, and neutralize panels.
- B. Finish coat: Polyester enamel applied with hot air electrostatic system and baked at 400 degrees F. Finish shall not crack, peel, or deteriorate when tested under the following conditions:
 - 1. 1,000 hours with 100 percent humidity at 100 degree F.
 - 2. 300 hours of 20 percent salt spray at 100 degrees F.
 - 3. 1,000 hours of water soak at 110 degrees F.
 - 4. Minimum hardness: 2H.
- C. Color: as provided by General Partitions Manufacturing Corporation as selected by Architect from manufacturer's full range.
- D. Provide small quantity of matching paint for field touch-up of finish in accordance with Paragraph 3.4.

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 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. Touch-up minor scratches and nicks in paint finish with same color and type of paint as original finish. Repair such that damage and refinishing cannot be detected. Wax and polish repaired area.
- B. Replace significantly damaged, bent, deeply scratched, or dented panels.
- C. Adjust hinges to locate inswinging doors in partial open position and outswinging doors in closed position when unlatched.
- D. Adjust and align hardware to uniform clearance at vertical edge of doors.

3.5 CLEANING

- A. Clean surfaces and wash with mild soap. Do not use abrasives.

END OF SECTION