

## SECTION 10 21 00 - COMPARTMENTS AND CUBICLES

## GENERAL

## I.1 SECTION INCLUDES

- A. Compartments and Cubicles of the Following Types:
  - 1. High-density polymer compartments and cubicles.

## I.2 RELATED SECTIONS

- A. Section 10 28 00 - Toilet, Bath, and Laundry Accessories.
- B. Section 22 40 00 - Plumbing Fixtures.

## I.3 REFERENCES

- A. ADA - 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. ANSI A208.1 - Mat Formed Wood Particleboard.
- D. ASTM International (ASTM)
  - 1. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
  - 2. ASTM A666 - Stainless and Heat Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.
  - 3. ASTM A526 - Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, Commercial Quality.
- E. NEMA LD-3 - High Pressure Decorative Laminates.
- F. UFAS - Uniform Federal Accessibility Standards.

## I.4 SUBMITTALS

- A. Submit under provisions of Section 01 30 00 - Administrative Requirements.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Literature indicating typical panel, pilaster, door, hardware and fastening.
  - 2. Preparation instructions and recommendations. Storage and handling requirements and recommendations.
  - 3. Installation methods. Maintenance instructions.
- C. Shop Drawings: Dimensioned plans indicating layout of toilet partitions. Dimensioned elevations indicating heights of doors, pilasters, separation partitions, and other components; indicate locations and sizes of openings in compartment separation partitions for toilet and bath accessories to be installed in partitions; indicate floor and ceiling clearances. Details indicating anchoring components (bolt layouts) and methods for project conditions; indicate components required for installation, but

not supplied by compartment and cubicle manufacturer.

- D. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, texture and pattern.

## I.5 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Lay cartons flat, with adequate support to ensure flatness and to prevent damage to pre-finished surfaces. Do not store where ambient temperature exceeds 120 degrees F (49 degrees C).

## I.6 PROJECT CONDITIONS

- A. Do not deliver materials or begin installation until building is enclosed, with complete protection from outside weather, and building temperature maintained at a minimum of 60 degrees F (15.6 degrees C).

## I.7 QUALITY ASSURANCE

- A. Products and installation shall comply with the following: ADA Standards, ANSI A117.1, as applicable to the Project.
- B. Coordinate Work with placement of support framing and anchors in walls and ceilings.

## I.8 WARRANTY

- A. Manufacturer's Warranty for Partitions: Provide manufacturer's standard limited warranty and as follows.
  - I. High Density Polymer Partitions: 25 years.

# PART 2 PRODUCTS

## 2.1 MANUFACTURERS

- A. Acceptable Manufacturer: General Partitions Mfg. Corp., which is located at: 1702 Peninsula Dr. P. O. Box 8370; Erie, PA 16505; Tel: 814-833-1154; Fax: 814-838-3473; Email: [request info \(info@generalpartitions.com\)](mailto:requestinfo@generalpartitions.com); Web: <https://www.generalpartitions.com>
- B. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

## 2.2 HIGH DENSITY POLYMER (HDP) UNITS

- A. Toilet Partitions:
  - I. Privacy Door Configuration: Continuous aluminum hinge with overlapping strike, no sight gaps at doors.
- B. Urinal Screens:
  - I. Model FBS-7, Floor Braced Screens: Screens attached to wall and braced by pilasters anchored to floor.
    - a. Urinal Screen Height: 54 inches (1372 mm).
    - b. Urinal Screen Width: 24 inches (457 mm).

- c. Pilaster Height: 70 inches (1778 mm). 75.5 inches (1918 mm) for Eastern Max Pilaster Thickness: 1 inch (25 mm). Pilaster Trim: Minimum 3 inches high 0.031 inch thick (76 mm by 0.76 mm thick) stainless steel or solid plastic shoe.

C. Construction:

- 1. High density polymer panels and doors, molded under pressure from high density polymer resin with uniform color throughout.
- 2. Absorption: Resistant to delamination, water, steam, corrosion, soaps, detergents, and mildew. Material shall not absorb odors.
- 3. Graffiti Resistance: Self-lubricating surface that is graffiti resistant to markings from pen, pencil, marker, and paint.
- 4. Edges: Machine radius eliminating sharp edges.
- 5. Surface texture: Orange peel.
- 6. Finishes: Refer to finish schedule.
- 7. Heat Sinks: Provide 1/8 inch (3 mm) aluminum strips integral to bottom edges of panels and doors to protect panel from being ignited by vandals.

## 2.3 FITTINGS AND ANCHORS

A. Fittings:

- 1. Connection Brackets: Heavy duty continuous extruded aluminum, or plastic 54 inches (1372 mm) high.
- 2. Pilaster Trim: Minimum 3 inches high 0.031 inch thick (76 mm by 0.76 mm thick) stainless steel shoe.
- 3. Pilaster Trim: Minimum 3 inches high 0.031 inch thick (76 mm by 0.76 mm thick) stainless steel or solid plastic shoe.

## 2.4 HARDWARE

A. Hinges:

- 1. Aluminum continuous hinges.

B. Combination Latch Keeper and Door Stop with Rubber Bumper: Extruded aluminum. cast alloy, chrome plated or Cast Stainless

## PART 3 EXECUTION

### 3.1 INSTALLATION

- A. Examine existing conditions prior to installation. Do not begin installation until installation conditions and substrates have been properly prepared.
- B. Install compartments and cubicles in accordance with manufacturer's instructions and approved submittals. Pilasters intersecting adjacent walls shall extend to finished floor. Attach panels and pilasters to brackets with sheet metal screws.
  - 1. Anchor pilaster to floor with two 3/8 inch (10 mm) threaded steel studs and leveling nuts and washers. Adjust pilaster support to compensate for floor variations. Conceal floor fastenings with pilaster shoes.
- C. Door Installation: Hang doors from pilasters. Equip each door with the following:
  - 1. Hinges: Full length continuous hinge.

2. Door latch.
  3. Door strike and keeper.
- D. Erection Tolerances: Maximum variation from true position: 1/4 inch (6 mm). Maximum variation from plumb: 1/8 inch (3 mm).
- 3.2 ADJUSTING AND CLEANING
- A. Carefully remove and dispose all protective vinyl from partitions.
  - B. Adjust hinges and align hardware to uniform clearance at vertical edge of doors.
  - C. Clean surfaces and wash with mild soap. Do not use abrasives.

END OF SECTION