



SECTION 10 21 00
COMPARTMENTS AND CUBICLES

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Compartments and Cubicles of the Following Types:
 - 1. Powder-coated enameled steel compartments and cubicles.

1.2 RELATED SECTIONS

- A. Section 05 50 00 - Metal Fabrications.
- B. Section 06 11 16 - Mechanically Graded Lumber.
- C. Section 09 27 00 - Plaster Fabrications..
- D. Section 10 28 00 - Toilet, Bath, and Laundry Accessories.
- E. Section 22 40 00 - Plumbing Fixtures.

1.3 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.

1.4 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.
 - E. Touch-Up Paint: Provide 1 ounce of matching paint for field touch-up of baked enamel finish.
- 1.5 DELIVERY, STORAGE, AND HANDLING
- A. Store products in manufacturer's unopened packaging until ready for installation.
- 1.6 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).
- 1.7 QUALITY ASSURANCE
- A. Products and installation shall comply with the following: ADA Standards, ANSI A117.1, UFAS as applicable to the Project.
 - B. Coordinate Work with placement of support framing and anchors in walls and ceilings.
- 1.8 WARRANTY
- A. Manufacturer's Warranty for Partitions: Provide manufacturer's standard limited warranty and as follows.
 - 1. Powder Coated Steel Partitions: 1 year.

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. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.

2.2 POWDER COATED ENAMELED STEEL UNITS

- A. Construction: Powder coated enameled steel panels. Two galvanized steel face sheets pressure bonded to honeycomb core. Face sheets: Steel sheet, ASTM A526 with hot dipped zinc coating. Minimum thickness: Panels, Door, Urinal Screen, Privacy Screen, and Shower Panels: 0.025 + .002 - 0 (0.635 + .005 mm - 0). Pilaster Panels: 0.028 to 0.032 inches (0.711 to 0.8128 mm). Core: Sound deadening, moisture resistant, impregnated

cardboard honeycomb. Adhere each cell to face sheets with moisture impervious adhesive. Edges: Face sheets shall have die drawn steel, radiused, 0.025 inch (0.635 mm) smooth molding attached to all four panel sides. Corner Reinforcement: At each panel corner, formed steel corner reinforcement shall be mechanically fused to panel edges.

- B. Factory Finish: Powder coated enameled steel panels. Polyester enamel applied with hot air electrostatic system and baked at 400 degrees F (204 degrees C). Minimum hardness: 2H. Finish not to crack, peel, or deteriorate when tested under the following conditions: 1,000 hours with 100 percent humidity at 100 degrees F (204 degrees C); 300 hours of 20 percent salt spray at 100 degrees F (38 degrees C); 1,000 hours of water soak at 110 degrees F (43 degrees C).

2.3 FITTINGS AND ANCHORS

- A. Fittings:
 - 1. Pilaster Trim: Minimum 3 inches high 0.031 inch thick (76 mm by 0.76 mm thick) stainless steel shoe.

2.4 HARDWARE

- A. Latch, Concealed Operating Handle: Cast alloy, chrome plated mechanism that does not require twisting or turning of wrist to operate. Provide cover for exterior side.
- B. Combination Latch Keeper and Door Stop with Rubber Bumper: Extruded aluminum. cast alloy, chrome plated or Cast Stainless
- C. Door Pull: Cast alloy, chrome plated, or Cast Stainless straight loop design.

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.
- C. Door Installation: Hang doors from pilasters. Equip each door with the following:
 - 1. Door latch.
 - 2. Door strike and keeper.
 - 3. Install door pull on outswinging doors. ADA doors to receive two door pulls.
- 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