



Section 10 21 00
Compartments and Cubicles

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Compartments and cubicles of the following types:
 - 1. High Density Polymer (HDP) compartments and screens.
Floor mounted with headrail bracing (40-7.1)

1.2 RELATED SECTIONS – The following list is to assist with locating other possible sections as they may pertain to the scope and requirements of work related to this section. This is for informational purposes only and is not necessarily all inclusive of any particular job.

- 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.
- G. State and local municipality ordinances as they pertain to accessibility and guidelines.

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, dividing panels, and other components; indicate locations and sizes of cutout openings required in compartment dividing panels for toilet and bath accessories to be installed in partitions; indicate floor and ceiling clearances. Details indicating anchoring components and methods for project conditions; indicate components required for installation, but not supplied by compartment and cubicle manufacturer.

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

1.5 DELIVERY, STORAGE, AND HANDLING

A. Store products in manufacturer's unopened packaging until ready for installation.

1. Receive and inspect packaging upon delivery for any damage or suspected defects that may have occurred during transport. Report damaged products in compliance with section 01600.
2. Transport, handle, and store received components in compliance with manufacturer's recommendations.
 - a) Lay cartons flat, with adequate support to ensure flatness and to prevent damage to prefinished surfaces. Do not store where ambient temperature exceeds 120 degrees F (49 degrees C).

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. High Density Polymer (HDP) 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; Web: <https://www.generalpartitions.com> Email: request info (info@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 HIGH DENSITY POLYMER (HDP) UNITS

A. Material / Construction:

1. High Density Polymer (HDP) doors, panels, pilasters and screens molded under pressure from high density polymer resin with uniform color throughout.
 - a) Doors & Panels: 1" finished thickness. To be 55" high and mounted 14" above finish floor.
 - b) Pilasters: 1" finished thickness. 82" high, overhead braced for stability and support.
 - c) Urinal Screens: 1" finished thickness. Standard 24" x 48" urinal screen(s) to match partition components.
 - d) Overhead braced with clear anodized aluminum headrail; anti-grip style for stall fronts; rectangular for returns.
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.

B. Hardware:

1. Door Hardware:

8" wrap-around aluminum gravity hinges.

- a) Doors 30" and above to be installed with three hinges per door.
- b) Doors less than 30" installed with two hinges per door.

Aluminum slide latch with matching aluminum door stop and keeper (through bolted).

Chrome plated double-sided door pulls (ADA Doors and outswing doors only).

Chrome plated coat hook with rubber bumper (except ADA stalls no bumper).

ADA and ambulatory doors to be provided with one separate wall mounted bumper.

2. Brackets: Continuous (54") aluminum brackets.

3. Headrail: Extruded anodized and heat-treated aluminum with crown profile for stall fronts and open areas. Rectangular style headrail; to be used as returns to back wall over end panels.

4. Floor connection: Stainless steel floor plate fastened to floor and covered with stainless steel shoe.

5. Fasteners: Stainless steel vandal proof (torx) screws with plastic anchor plugs, or through bolts, as required. Specific installation locations to be provided with final fabrication drawings and installation instructions.

6. Alternative hardware substitutions may be made for any of the hardware specified in this section provided alternate does not compromise the integrity of the installation as determined by General Partitions Mfg. Corp.

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.

1. Field verification – Ensure proper dimensions, layout parameters, ADA requirements, and product requirements have been met prior to fabrication.
2. Maintain minimum ½” gap between wall and panels / pilasters, maximum 1 ¼” gap. Maximum ¼” gap between panel and backside of pilasters.

B. Install compartments in accordance with manufacturer's instructions and approved submittal drawings.

C. Door Installation: Hang doors from pilasters. Ensure pilasters are installed true and plumb. Maintain no more than ¼” gap on each side of door between pilaster and vertical edge of door. Equip each door with the following:

1. 8” wrap-around aluminum gravity hinge.
2. Aluminum slide latch.
3. Aluminum Strike and keeper.
4. Coat hook.
5. Door pull (ADA, ambulatory and outswing doors only).
6. Wall mounted bumper (ADA, ambulatory and outswing doors only).

D. Install headrail in accordance with manufacturer's drawings. Splice headrail joints over the centerline of pilaster as necessary.

E. Conceal floor fastening at each pilaster.

F. Erection Tolerances: Maximum variation from true position: 1/4 inch (6 mm). Maximum variation from plumb: 1/8 inch (3 mm).

3.2 CLEANING

A. Carefully remove and dispose of all protective vinyl from partitions. Remove any remaining residue with mild soap and water.

B. Muriatic acid or other caustic cleaning agents are not to be used with High Density Polymer (HDP) products. If partition components come in contact with muriatic acid, or similar hydrochloric acid type cleaners, immediately neutralize and scrub off with clean water. **Do not use abrasives.**

END OF SECTION