

SECTION 10161**PLASTIC LAMINATE TOILET COMPARTMENTS**

******* General Partitions manufactures the following products from particle board core panels with plastic laminate finish:**

Toilet compartments:

Series 30 - Floor Supported

Series 40 - Floor Supported with Headrail

Series 50 - Ceiling Hung

Series 60 - Floor to Ceiling

Urinal screens:

WHS-4 - Wall Hung

WHF-4 - Wall Hung Flange

FBS-4 - Floor Braced Screen

FSH-4 - Floor Supported with Headrail

Privacy screens:

FBS-4 - Floor Braced Screen

FSH-4 - Floor Supported with Headrail

Floor to Ceiling

This guide specification section can be used to specify all of the above plastic laminate finished products. The specifier will need to select the appropriate products and delete non-applicable models and options. Text in brackets denotes choices to be made. Refer to General Partitions product literature for hardware, colors, sizes, and other available options.

General Partitions also manufactures toilet compartments in four other materials. For these products use one of the following product specifications. These sections also cover shower cabinets and shower and dressing compartments. Plastic laminate finished panels are not recommended for shower stalls. *****

SECTION 10161 - STEEL TOILET COMPARTMENTS

SECTION 10162 - STAINLESS STEEL TOILET COMPARTMENTS

SECTION 10171 - SOLID PHENOLIC TOILET COMPARTMENTS

SECTION 10172 - HIGH DENSITY POLYMER TOILET COMPARTMENTS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section includes: [Toilet compartments,] [urinal screens,] [privacy screens] fabricated with particle board core panels with plastic laminate finish including required fittings, hardware, and accessories.
- B. Related sections:

******* List other specification sections dealing with work directly related to this section such as the following. *******

- 1. Section 05500 - Metal Fabrications: Structural support system for ceiling hung toilet compartments.
- 2. Section 09255 - Gypsum Board Systems: Blocking in metal stud partitions for wall anchorage of toilet compartments.
- 3. Section 10810 - Toilet Accessories: Accessories mounted on toilet compartments.

1.2 REFERENCES

****** List by number and full title reference standards referred to in remainder of specification section. Delete non-applicable 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. ANSI A208.1 - Mat Formed Wood Particleboard.
- D. ASTM A167 - Stainless and Heat Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.
- E. NEMA LD-3 - High Pressure Decorative Laminates.
- F. UFAS - Uniform Federal Accessibility Standards.

1.3 SUBMITTALS

- A. Provide in accordance with Section 01330 - Submittal Procedures:
 - 1. Product data for compartments, panels, finishes, hardware, and accessories.
 - 2. Shop drawings showing partition plans, elevations, dimensions, door swings, details for supports, and method of anchorage.

3. Samples of manufacturer's finishes [for selection by Architect].
4. Installation instructions.
5. Maintenance instructions.

1.4 QUALITY ASSURANCE

******* Barrier free requirements will depend on type of project and local jurisdiction. Edit and include the following paragraph if toilet and shower compartments need to accommodate persons with physical handicaps. *******

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

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. General Partitions Manufacturing Corporation, P. O. Box 8370, Erie, Pennsylvania; 814-833-1154.
- B. Manufacturers of equivalent products submitted and approved in accordance with Section 01630 - Product Substitution Procedures.

2.2 TYPE[S]

******* Select types and models of toilet compartment being specified and desired attributes from the following options. *******

- A. Toilet compartments: [Panels supported by pilasters anchored to floor; Series 30 - Floor Supported] [Panels supported by pilasters anchored to floor and braced overhead with headrail; Series 40 - Floor Supported with Headrail] [Panels supported by ceiling hung pilasters; Series 50 - Ceiling Hung] [Panels supported by pilasters anchored to floor and extending to ceiling; Series 60 - Floor to Ceiling] [Extra height panels mounted [3 inches] [76 mm] supported by pilasters anchored to floor [and braced overhead with headrail]; as manufactured by General Partitions Manufacturing Corporation.

******* Screens can be placed between urinals or used to block view at toilet room entrance. Model FBS-4 - Floor Braced Screen, Model FSH-4 - Floor Supported with Headrail, and Floor to Ceiling Model are recommended for privacy screens at locations other than between urinals. *******

- B. [Urinal] [and] [privacy] screens: [Screens hung from wall with brackets; Model WHS-4 - Wall Hung] [Screens hung from wall with continuous aluminum channel; Model WHF-4] [Screens attached to wall and braced by pilasters anchored to floor;

Model FBS-4 - Floor Braced Screen] [Screens supported by pilasters anchored to floor and braced overhead with headrail; Model FSH-4 - Floor Supported with Headrail] [Screens supported by pilasters anchored to floor and extending to ceiling - Floor to Ceiling Model] as manufactured by General Partitions Manufacturing Corporation.

2.3 PANELS

******* Standard core for plastic laminate faced panels is particle board. For locker rooms and other areas with high humidity, a plywood core is recommended for plastic laminate faced panels. Neither particle board or plywood should be used for shower cabinets and compartments. For shower panels, solid phenolic panels with melamine finish matching plastic laminate used for toilet compartments should be considered. *******

- A. Fabricate from [particle board] [plywood] core with adhesive bonded plastic laminate face sheets and edging.
- B. Core: [ANSI 208.1, Medium Density Series, wood particle board with 45 pounds minimum density] [Exterior grade plywood with waterproof glue].
- C. Face sheets and edges:
 - 1. Material: NEMA LD-3, General Purpose Type plastic laminate, 1/16 inch thick.

******* General Partitions provides many standard plastic laminate finish colors. Contact General Partitions for standard colors and additional optional colors. Special request colors will increase delivery time. Single or multiple colors can be used. For multiple colors, specifier will need to list color for each component such as pilasters, doors, and urinal screens. *******

- 2. Color: [[_____]] as provided by General Partitions Manufacturing Corporation.] [[Single color] [Maximum of [_____] colors] selected by Architect from manufacturer's [standard] [full] range.]
- D. Minimum thickness:
 - 1. Panels and doors: [1 inch] [25 mm].
 - 2. Pilasters: [1-1/4 inches] [32 mm].

******* Include the following paragraph for Series 30 - Floor Supported and Model FBS-4 - Floor Supported Urinal Screen. *******

- E. Equip bottom end of pilasters with [1/2 inch] [13 mm] thick steel bar anchored to particle board with threaded anchors, set pins, and metal spacers. Bar to accept two threaded steel studs and leveling nuts used for anchoring pilaster to floor.

******* Include the following paragraph for Series 50 - Ceiling Hung. *******

- F. Equip top end of pilasters with [1/2 inch] [13 mm] thick steel bar anchored to particle board with threaded anchors, set pins, and metal spacers. Bar to accept two threaded steel studs and leveling nuts used for suspending pilaster from ceiling support member.

******* General Partitions provides standard panel sizes and custom designs. Contact General Partitions for availability and assistance in planning custom sizes and configurations.**

It is often convenient to indicate panel sizes in Specifications rather than dimension components on Drawings. Otherwise, dimensions can be shown on Drawings. However, in order to avoid potential conflicts do not list sizes in both Drawings and Specifications.

- G. Sizes: [As indicated on Drawings.]

******* General Partitions provides standard panel widths to construct toilet compartments 48, 54, 57, 60, 61-1/4, 66, 72, and 78 inches (1219, 1372, 1448, 1556, 1676, 1829, 1981 mm) deep. Standard panel height is 58 inches (1473 mm).**

General Partitions also provides Eastern Style toilet compartments in Series 30, Series 40, and Series 60. Panel height for Eastern Style toilet compartments is 67 inches (1702 mm). The panels are mounted 3 inches (76 mm) above floor providing greater privacy. Eastern Style toilet compartments are designed for use where standard height water closets are not installed. *****

1. Toilet compartment panel: [Width to suit compartment depth shown on Drawings] [[48] [54] [57] [60] [61-1/4] [66] [72] [78] [_____] inches wide] [[1219] [1372] [1448] [1556] [1676] [1829] [1981] [_____] mm wide] by [[58] [67] [_____] inches] [[1473] [1702] mm] high.

******* Door height for Eastern Style toilet compartments is 67 inches (1702 mm). All other toilet compartment doors are 58 inches (1473 mm) high and standard width is 24 inches (610 mm). A 32 inches (813 mm) clear door opening and outswinging door is required for use by persons with physical handicaps. *******

2. Inswinging door: [24 inches] [610 mm] [_____] wide by [[58] [67] inches] [[1473] [1702] mm] high.
3. Outswinging door for use by persons with physical handicaps: Width to provide [32 inches] [813 mm] clear opening by [[58] [67] inches] [[1473] [1702] mm] high.

******* Standard widths for urinal screens are 18 and 24 inches (457 and 610 mm). Standard height for WHS-4 and WHF-4 urinal screens is 42 inches (1067 mm) and for**

FBS-4, FSH-4, and Floor to Ceiling urinal screens is 58 inches (1473 mm). *****

4. Urinal screens: [[18] [24] [_____] inches] [[457] [610] mm] wide by [[42] [58] [_____] inches] [[1067] [1473] [_____] mm] high.

***** Width of privacy screens at locations other than between urinals will vary with condition. Typical heights for privacy screens are 58 and 70 inches (1473 and 1778 mm).

5. Privacy screens: [[_____] inches] [[_____] mm] wide by [[58] [70] [_____] inches] [[1473] [1778] mm] high.

***** Pilaster widths vary with compartment and door sizes. Minimum width for Series 30 and Series 50 is 8 inches (203 mm). Standard pilaster height for Series 30, and FBS-4 is 70 inches (1778 mm) and for Series 40 is 82 inches (2083 mm). For Series 50, Series 60, and Floor to Ceiling urinal and privacy screens pilaster height will vary with ceiling height.

6. Pilaster: [Width to suit compartment size] [[_____] inches] [mm] wide] by [[70] [82] [_____] inches] [1778] [2083] [_____] mm] high.] [by height extending from floor to ceiling.]

2.4 FITTINGS

***** Headrails are required for Series 40 toilet compartments and FSH-4 urinal screens. If these products are not being used, delete the following paragraph.

- 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

***** Refer to General Partitions product literature for descriptions, illustrations, and selection guidelines for hardware items. Delete non-applicable hardware items.

Standard hinges are pivot type. For heavy duty conditions, three types of full length hinges are available options. *****

- A. Hinges: [Chrome plated non-ferrous cast pivot hinges with nylon cams and

adjustable for door closing position. Top hinge mounted within door cutout.]
[Geared aluminum full length hinges.] [Stainless steel full length hinges.] [Spring
loaded aluminum full length hinge.]

******* Two types of door bumper are provided by General Partitions. Select appropriate type. *******

- 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.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Coordinate requirements for blocking in stud walls to ensure proper support is provided for wall attachments.

******* Include the following paragraph for Series 50 - Ceiling Hung and Series 60 - Floor to Ceiling toilet compartments. *******

- B. Coordinate requirements for structural support members and bracing above ceiling for adequate [suspension of ceiling hung toilet compartments] [attachment of floor to ceiling pilaster].
- C. Verify that site conditions are ready to receive work and opening dimensions are as indicated on shop drawings.
- D. 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.

******* Where pilasters intersect adjacent walls and are less than 6 inches (152 mm) wide, such pilasters will terminate 12 inches (305 mm) above finish floor and be attached to walls with brackets. As an option, all pilasters can extend to floor. *******

D. Where indicated on approved shop drawings, pilasters intersecting adjacent walls shall be terminate [[12] [3] inches] [[305] [76] mm] above floor and attach to wall with brackets.

E. Attach panels and pilasters to brackets with sheet metal screws.

******* Include the following paragraph for Series 30 - Floor Supported and Model FBS-4 - Floor Braced Urinal Screen. *******

F. 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.

******* Include the following two paragraphs for Series 40 - Floor Supported with Headrail and Model FSH-4 - Floor Supported Urinal Screen with Headrail. *******

G. Brace pilasters with overhead rail. Locate headrail joints at pilaster center lines.

H. Anchor pilaster to floor with heavy duty galvanized steel angle plate, sheet metal, screws, and anchors. Conceal floor fastenings with pilaster shoes.

******* Include the following paragraph for Series 50 - Ceiling Hung toilet compartments. *******

I. Suspend pilasters from auxiliary structural framing directly above finished ceiling. Attach with two [3/8 inch] [10 mm] threaded studs [5 inches] [127 mm] long. Use leveling nuts and washers to adjust position of pilaster. Conceal ceiling attachment with pilaster shoes.

******* Include the following paragraph for Series 60 - Floor to Ceiling toilet compartments. *******

J. Anchor pilaster to floor and to ceiling support with heavy duty galvanized steel angle plate, sheet metal screws, and anchors. Conceal floor and ceiling fastenings with pilaster shoes.

******* Include the following paragraph for Model WHF-4 - Wall Hung Flange Urinal Screen. *******

K. Anchor urinal screen panels to walls with continuous aluminum channel.

- L. Door installation: Hang doors from pilasters. Equip each door with [two pivot hinges,] [full length continuous hinge,] door latch, door strike and keeper, and [coat hook and bumper] [door 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 chipped 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