

SECTION 10165

PLASTIC LAMINATE TOILET COMPARTMENTS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Plastic laminate toilet compartments, consisting of:
 - 1. Floor-mounted overhead-braced toilet compartments.
 - 2. Floor-mounted toilet compartments.
 - 3. Ceiling-hung toilet compartments.
 - 4. Wall-mounted urinal screens.
- B. Compartment installation hardware.
- C. Compartment door hardware.

1.2 RELATED SECTIONS

- A. Section 10800 - Toilet, Bath, and Laundry Accessories.
- B. Section _____ - Structural support for ceiling hung compartments.

1.3 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's printed literature indicating typical panel, pilaster, door, hardware and fastening.
- C. Shop Drawings: Submit six sets of the following:
 - 1. Dimensioned plans indicating layout of toilet compartments.
 - 2. 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.
 - 3. Details indicating anchoring components and methods for project conditions; indicate components required for installation, but not supplied by toilet compartment manufacturer.
- D. Samples: Two manufacturer's color cards representing manufacturer's full color palette.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Store compartment components until installation in unopened cartons in vertical position, with adequate support to ensure flatness and to prevent damage to prefinished surfaces.

1.5 ENVIRONMENTAL REQUIREMENTS

- A. Do not deliver materials or begin construction activities of this section until building is enclosed, with complete protection from outside weather, and building temperature maintained at a minimum of 60 degrees Fahrenheit.

1.6 SEQUENCING

- A. Obtain accessory manufacturer's installation instructions and installation templates for toilet and bath accessories to be installed in compartment separation partitions; supply instructions and templates to installer before beginning construction activities of this Section.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: Global Steel Products, Inc.; 95 Marcus Blvd., Deer Park NY 11729-4595; telephone 516-586-3330, FAX 516-586-3455.
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.

2.2 PLASTIC LAMINATE TOILET COMPARTMENTS

- A. Acceptable Product: Embassy Plastic Laminate Toilet Compartments.
- B. Acceptable Product: Regal Plastic Laminate Toilet Compartments.
- C. Acceptable Product: Imperial Plastic Laminate Toilet Compartments.
- D. Panels:
 - 1. Nominal thickness: 1 inch.

2. Core: Multiple layers high density particleboard conforming to ANSI 208.1, set with water-resistant resin binder.
3. Edge Banding: Plastic laminate matching face sheets, applied to partition edges before applying face sheets.
4. Face sheets: Plastic laminate conforming to NEMA LD3, Type GP50, nominal thickness 0.050 inch, applied to overlap edges of edge banding laminate.

E. Pilasters:

1. Nominal thickness: 1-1/4 inches.
2. Core: Multiple layers high density particleboard conforming to ANSI 208.1, set with water-resistant resin binder.
3. Edge Banding: Plastic laminate matching face sheets, applied to partition edges before applying face sheets.
4. Face sheets: Plastic laminate conforming to NEMA LD3, Type GP50, nominal thickness 0.050 inch, applied to overlap edges of edge banding laminate.
5. Pilaster installation hardware preparation: Two holes, diameter to accept 3/8 inch threaded rod, drilled into core at pilaster base end, parallel to pilaster vertical axis, intersecting centerlines of two holes, diameter to accept Plug-Loc(tm) installation hardware, drilled through pilaster perpendicular to pilaster face and 1 inch from pilaster base end.
6. Pilaster installation hardware preparation: Two holes, diameter to accept 3/8 inch threaded rod, drilled into core at pilaster top end, parallel to pilaster vertical axis, intersecting centerlines of two holes, diameter to accept Plug-Loc(tm) installation hardware, drilled through pilaster perpendicular to pilaster face and 1 inch from pilaster top end.

F. Doors:

1. Nominal thickness: 1 inch.
2. Core: Multiple layers high density particleboard conforming to ANSI 208.1, set with water-resistant resin binder.
3. Edge Banding: Plastic laminate matching face sheets, applied to partition edges before applying face sheets.

- 4. Face sheets: Plastic laminate conforming to NEMA LD3, Type GP50, nominal thickness 0.050 inch, applied to overlap edges of edge banding laminate.
- G. Color and Finish: Selected from manufacturer's full color palette.

2.3 ACCESSORIES

- A. Pilaster Shoes: Four-piece Type 304 stainless steel assembly, No. 4 satin finish, hemmed top and bottom edges.
- B. Pilaster Anchors: Manufacturer's standard floor anchoring system with leveling adjustment, concealed by pilaster shoe after installation.
- C. Pilaster Anchors: Manufacturer's standard ceiling anchoring system with leveling adjustment, concealed by pilaster shoe after installation.
- D. Urinal Screen Brackets: Full height 38-inch-long two ear anodized aluminum with satin finish, prepared for fastening hardware.
- E. Head Rail: Manufacturer's standard anodized aluminum rail with anti-grip device.
- F. Brackets: Heavy duty, die-cast non-ferrous chrome-plated, with chrome-plated throughbolts and fasteners with tamper-resistant heads.
- G. Door Hardware: Heavy duty, die-cast non-ferrous chrome-plated.
- H. Brackets: Die-cast No.304 stainless steel, No.4 satin finish, with throughbolts and fasteners of same material and finish with tamper-resistant heads.
- I. Door Hardware: Die-cast No.304 stainless steel, with No.4 satin finish.
 - 1. Top and Bottom Hinges: Recessed into door with saddle on adjacent pilaster, providing bi-directional operation about axis within the plane of the door; adjustable cams supporting door, returning to resting position by gravity.
 - 2. Latch: Door-mounted slide latch.
 - 3. Stop and Keeper: Permitting emergency access by lifting the door until latch is clear of keeper.
 - 4. Coat Hook: Black rubber tip for door stop.
 - 5. Fastening Hardware: Chrome-plated through-bolts and attachment fasteners with tamper-resistant heads.

6. Fastening Hardware: Stainless steel with No.4 satin finish, through-bolts and attachment fasteners with tamper-resistant heads.

J. Toilet and Bath Accessories for Installation in
Compartment Separation Partitions: Specified Section
10800.

PART 3 EXECUTION

3.1 EXAMINATION

A. Verification of Conditions:

1. Measure areas to receive compartments; verify area dimensions are in accordance with shop drawings.
2. Verify built-in framing, anchorage, bracing, and plumbing fixtures are in correct location.

B. Installer's Examination:

1. Have installer of this section examine conditions under which construction activities of this section are to be performed, then submit written notification if such conditions are unacceptable.
2. Transmit two copies of installer's report to Architect within 24 hr of receipt.
3. Beginning construction activities of this section before unacceptable conditions have been corrected is prohibited.
4. Beginning construction activities of this section indicates installer's acceptance of conditions.

3.2 PREPARATION

A. Surface Preparation:

1. Prepare openings in compartment separation partitions for toilet and bath accessories to be installed in partitions; marring of partition finish is prohibited.
2. Locate openings in accordance with shop drawings and accessory manufacturer's installation instructions and templates.

3.3 INSTALLATION

A. Install compartments to specified tolerances in accordance with shop drawings and manufacturer's printed installation instructions.

- B. Attach components to adjacent materials and to other components using purpose-designed fastening devices.
- C. Adjust pilaster anchors for floor variations; conceal anchors with pilaster shoes.
- D. Support pilasters from above ceiling framing using two adjustable hanging studs for vertical adjustment to level; conceal ceiling fastenings with pilaster shoes.
- E. Equip each compartment door with top and bottom hinges, and door latch.
- F. Install door strike keeper on pilasters in alignment with door latch.
- G. Equip each compartment door with one coat hook and bumper.
- H. Installation Tolerances:
 - 1. Max. variation from plumb or level: 1/8 inch.
 - 2. Max. displacement from indicated position: 1/8 inch.
 - 3. Clearance between wall surface and panels or pilasters: 1-1/2 maximum.

3.4 ADJUSTING

- A. Adjust door hardware for uniform clearance between doors and pilasters.
- B. Adjust door hinges to attain free movement, to locate in-swinging doors in partial open position when unlatched; and to return out-swinging doors to closed position.
- C. Adjust door hardware to align door strike keeper on each pilaster with door latch.

3.5 PROTECTION OF INSTALLED PRODUCTS

- A. Prevent damage to product finishes by subsequent construction activities.
- B. Replace components having damaged finish.
- C. Remove factory protective coverings and clean finish surfaces in accordance with manufacturer's instructions before final inspection.

3.6 SCHEDULE

- A. Men's Toilet Room No. ____: Floor-mounted overhead-braced plastic laminate toilet compartments and wall-mounted urinal screens; _____ color, matte finish.

- B. Women's Toilet Room No. ____: Ceiling-hung plastic laminate toilet compartments; compartment separation partitions _____ color, matte finish; pilasters _____ color, matte finish; doors to match compartment separation partitions.

END OF SECTION