

## TOILET COMPARTMENTS

### GENERAL INFORMATION

- 1.1 Unless otherwise directed by CU Facilities toilet compartments shall be floor-supported, and urinal screens shall be wall hung, with anchoring devices and accessories necessary to complete installation. NOTE: when overhead conditions do allow, overhead ceiling supported compartments will be considered on a project by project.
- 1.2 Assemblies shall be capable of sustaining normal service loads and supporting loads transmitted through grab bars without deformation, sway, or excessive vibration.
- 1.3 Compartments shall be anchored to building construction, transmitting vertical and lateral dead and live loads directly to structural supports and substrates capable of supporting loads, without bearing on applied finishes.

### DESIGN REQUIREMENTS

- 2.1 Toilet Compartments shall be selected from one of the following: *(review with CUF per project and select from one of the two options)*
- 2.2 Factory fabricated 1" thick high density polyethylene (HDPE) with 58"-high partitions and doors suspended 12" above finish floor and floor-supported pilasters that finish flush with partition tops. Recycled content: minimum 25 percent
  - a. Panel Construction: HDPE panels fabricated from polymer resins compounded under high pressure formed into a single thickness panel.
  - b. Pilasters: 1" thick x 82" high
  - c. Partitions: 1" thick
  - d. Doors: 1" thick
  - e. Cutouts and Holes for Toilet Accessories: Made to template and edge-reinforced.
- 2.3 Factory fabricated ¾" phenolic core and decorative surface with 58" high partitions and doors suspended 12" above the finish floor and floor-supported pilasters that finish with partition tops.
  - a. Panel construction: phenolic material comprised of multiple layers of melamine resin impregnated kraft paper, and decorative surface sheet on both faces. All layers shall be fused together under high temperature and pressure.
  - b. Pilasters: ¾" thick

- c. Partitions and urinal screens: 1/2" thick
  - d. Doors: 3/4" thick
  - e. Cutouts and holes for toilet accessories: Made to template and edge-reinforced.
- 2.4 Hardware: Adjustable, self-lubricating gravity hinges; coat hook-bumper with rubber pad; latch, strike, and keeper. Latch bolt shall be stainless steel. Other hardware shall be chrome-plated non-ferrous metal.
- 2.5 Pilaster Shoes: 3 inches high, [one-piece molded HDPE,] secured to pilaster with stainless steel tamper resistant head sex bolt.
- 2.6 Stirrup Brackets: Heavy gage 302/304 stainless steel or anodized aluminum or chrome-plated non-ferrous metal; 3 at each wall and panel connection, (OR 54" long continuous) fastened to pilasters and panels with stainless steel tamper resistant head sex bolts.
- 2.7 Fasteners and Anchors: Stainless steel or nickel-chrome plated hardened steel with vandal-proof heads and nuts where exposed. Hot-dip galvanized or cadmium-plated concealed fasteners and anchors where not otherwise specified. Sex bolts for mounting hardware except coat hook-bumper.
- 2.8 Headrail: Heavy-duty extruded aluminum, anti-grip design, clear anodized finish, fastened to headrail bracket with stainless steel tamper resistant head sex bolt and at top of pilaster with stainless steel tamper resistant head screws.
- 2.9 Headrail Brackets: 20 gage stainless steel, satin finish, secured to wall with stainless steel tamper resistant head screws.
- 2.10 Finishes:
- a. 1" thick high density polyethylene (HDPE)
  - b. 1/2 " and 3/4" phenolic resin
- 2.11 Urinal screens shall be wall flange-supported, of the same materials, construction, and finish specified for compartments.
- 2.12 Specify submission of product data, shop drawings and finish samples clearly describing proposed products.
- 2.13 Manufacturers: Provide toilet compartments and urinal screens from single source manufacturer as follows or approved equal:

- a. Scranton Products (Santana/Comtec/Capital) 801 East Corey Street, Scranton, PA 18505
- b. GLOBAL Partitions, Eastanollee, GA 30538
- c. Accurate Partitions, 8000 Joliet Rd, McCook, IL 60525

**CONSTRUCTION REQUIREMENTS**

- 3.1 Toilet Compartment work shall be fabricated to field dimensions. Where field measurements cannot be made without delaying work, the Contractor shall provide guaranteed dimensions and coordinate work of affected trades/Sections to assure proper execution of adjoining construction.
- 3.2 Coordinate anchor plate installation in drywall construction.
- 3.3 Obtain templates and mounting data for compartment-mounted toilet accessories.
- 3.4 Toilet Compartment contractor shall examine Project for conditions that affect work. They shall not begin installation until unsatisfactory conditions are corrected. Beginning installation implies acceptance of conditions. Defects caused by unsatisfactory conditions or untimely installation shall be corrected at no cost to the Owner.
- 3.5 Erect work in a rigid and substantial manner, with all evidence of drilling, cutting and fitting concealed by finished work. Work shall be free from dents, tool marks, warp, buckle, and open joints.
- 3.6 Maintain a uniform clearance of 1/2" (max.) between pilasters and partitions and between pilasters and doors. Maintain a uniform clearance of 1" (max.) between pilasters and walls and between partitions and walls.
- 3.7 Anchorage:
  - a. To Concrete/Masonry: Anchor work with lead expansion sleeves and bolt/stud anchors.
  - b. Gypsum Board Construction: Anchor brackets to metal framing or built-in metal anchor plates with toggle bolts or other fasteners that withstand shear, gravity, and pullout loads.
- 3.8 When all trades have completed their work, install removable hardware such as coat hooks and latch sets.
- 3.9 Correct nonconforming and damaged work. Remove and replace work that cannot be satisfactorily corrected in place.

- 3.10 Adjust hardware and leave it in proper working order. Adjust hinges so that doors remain slightly open at a uniform angle when latch bolts are not engaged.
- 3.11 Polish plated and stainless steel surfaces. Clean other finished surfaces. Protect work from damage and abuse.

**REFERENCE**

- 4.1 The applicable CSI Specification Section is 10 21 13.

*Revised January 15, 2014*

*Revised May 30, 2014*

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| Revision Approval: | Revision #: <u>1</u> |
| <hr/>              | <hr/>                |
| Joe Mannino        | Date                 |
| <hr/>              | <hr/>                |
| Frank Martino      | Date                 |

***Phenolic Black core and HDPE comparisons for consideration and selection:***

- *Mid range cost compared with options such as laminate, painted metal, and stainless steel*
- *Vandal resistance, ease of maintenance, and wet area sustainability is high*
- *Warranty for both is higher than steel by 5-10 years*
- *Materials come in variety of colors, patterns and textures, and can even simulate metal in texture or color*

*Manufacturers as basis of design:*

[Accurate](#)

[Santana](#)

[Global](#)

**Phenolic Resin**



**HDPE**

