
SECTION 10 21 15

SOLID POLYMER TOILET COMPARTMENTS

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Provide solid polymer plastic partitions for toilet compartments including hardware, attachment devices, and integral accessories as required for complete installation.
 - 1. Urinal Screens: Provide wall mounted plastic partitions for urinal screens including attachment hardware for complete finished installation.
- B. Related Sections:
 - 1. Section 10 28 00: Toilet accessories.

1.2 REFERENCES

- A. Americans with Disabilities Act (ADA) Standards.
- B. California Building Code: California Code of Regulations, Title 24, Part 2, requirements for providing accessibility for persons with disabilities.

1.3 SUBMITTALS

- A. Product Data: Submit manufacturer's literature.
- B. Shop Drawings: Clearly indicate partition layouts, swing of doors, elevations, anchorage and mounting details, panel construction, hardware, finishes and relevant dimensions.
- C. Samples: Submit samples of metal finish.
 - 1. Provide sample of each type of hardware.

1.4 QUALITY ASSURANCE

- A. Sustainability Requirements: Comply with CALGreen requirements including those relative to finish material pollution control for adhesives, sealants, and caulks.

PART 2 - PRODUCTS

2.1 SYSTEMS MANUFACTURERS

- A. Bobrick Washroom Equipment, Inc./1090 Series Sierra.
- B. Global Partitions, an ASI Group Company/HDPE Solid Plastic Partitions.

- C. Bradley Corporation Mills Partitions/Bradmar Partitions.
- D. General Partitions Mfg. Corp./High Density Polymer Partitions.
- E. Substitutions: Refer to Section 01 25 00.

2.2 MATERIALS

- A. System Description: Provide high density polyethylene (HDPE) plastic partitions including hardware, attachment devices, and integral accessories.
- B. System Description: Provide high density plastic partitions including hardware, attachment devices, and integral accessories.
 - 1. Toilet Compartment Type: Floor mounted, overhead braced.
 - 2. Urinal Screens: Provide wall mounted urinal screens.
- C. Regulatory Requirements, Access: Comply with California Building Code and Americans with Disabilities Act (ADA) Standards.
 - 1. Door Width: Provide minimum 32" clear door openings when front entry, minimum 34" clear door openings when side entry.
 - 2. Spacing: Provide minimum 60" clear width, and front space as applicable for type of compartment.
 - 3. Reinforcing: Provide reinforcing for grab bars indicated to be partition mounted.
 - 4. Urinal Screens: Provide minimum 30" clear space at urinal.
- D. Panels: Manufacturer's standard solid polymer resin system with surface resistant to pens, pencils, standard markers and paints, cleanable with household detergents.
 - 1. Solid Polymer Systems: Manufacturer's standard polymer system with color throughout thickness; provide manufacturer recommended joint adhesive; exposed surfaces finished to match top.
 - 2. Color: As selected from manufacturer's standard colors; color integral through panel.
- E. Pilaster Shoes: 3" high; ASTM A666, Type 304, No. 4 polished finish; stainless steel.
- F. Attachments, Screws and Bolts: Stainless steel; tamper proof type; heavy duty extruded aluminum brackets.
- G. Hardware: Manufacturer's standard chrome plated or similar finish.
 - 1. Hinges: Cast pivot hinges, gravity self-closing type, adjustable for door close positioning; nylon bearings.
 - 2. Latch: Slide latch; door strike and keeper with rubber bumper.

3. Coat Hook/Bumper: Combination coat hook and bumper unit, maximum 48" above finished floor.
 4. Wall Bumper: Wall mounted rubber bumper for out-swinging doors.
 5. Pulls: Manufacturer's standard; provide two "U-shaped" pulls immediately below latch at compartments accessible to persons with disabilities (compartments with grab bars), one inside and one outside.
- H. Overhead Braced Partition Headrails: 1" by 1-5/8" tubular metal, with cast socket type wall brackets.
1. Finish: As indicated, as selected by Architect from manufacturer's full range of available finishes where not otherwise indicated.

2.3 FABRICATION

- A. Fabricate: Manufacturer's standard construction for specified systems.
- B. Doors: Minimum 24" wide by minimum 58" high.
1. Provide wider doors where required for accessibility for persons with disabilities.
- C. Pilasters: Constructed same as doors, of sizes required to suit cubicle widths and spacing.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine site conditions to which work is to be applied.
- B. Take site dimensions affecting this work.
- C. Ensure correct spacing and size of plumbing fixtures; take special note of fixtures in compartments indicated to be designed for persons with disabilities to assure clearances complying with access regulations.
- D. Ensure correct location of built-in framing, anchorage, and bracing, where required.

3.2 INSTALLATION

- A. Install units in accordance with manufacturer recommendations and installation instructions, secure, plumb, level, and square.
- B. Leave maximum 1/2" space between wall, panels and end pilasters.
- C. Attach panel brackets securely to walls using anchor devices.
- D. Attach panels and pilasters to bracket with through sleeve tamper proof bolts and nuts.
- E. Locate headrail joints at pilaster center lines.

- F. Provide for adjustment of floor variations with screw jack through steel saddles integral with pilaster; conceal floor fastenings with stainless steel shoes.
- G. Equip each door with hinges, latch, and coat hook/bumper combination.
 - 1. At outswinging stall doors provide additional bumper on exterior of door, coat hook and bumper combinations are not acceptable.
- H. Install door strike keeper and door bumper on each pilaster in alignment with door latch.
- I. Adjust and align hardware to uniform clearance at vertical edges of doors not exceeding 3/16".
- J. Adjust hinges to locate doors in partial open position when unlatched, except adjust hinges to return doors to closed position at stalls designed for use by persons with disabilities.
- K. Anchor urinal screen panels to walls with either two panel brackets each or continuous angle brackets on both sides.

3.3 CLEANING

- A. Remove protective masking.
- B. Clean surfaces free of imperfections.
- C. Field touch-up of scratches and defaced finishes will not be permitted; replace damaged, scratched and marred defective materials with new, undamaged materials.
- D. Remove protective coverings and clean surfaces in accordance with manufacturer recommendations.

END OF SECTION