

PRODUCT SPECIFICATION - SERIES 1040

SECTION 10165 LAMINATED PLASTIC TOILET PARTITIONS

PART 1 - GENERAL

1.01 Work Included

- A. Toilet Compartments
- B. Urinal Screens
- C. Benches

1.02 Related Sections

- A. Support for ceiling-hung compartments.
- B. Wall backing required to secure mounting brackets.
- C. Support for floor-anchored compartments.
- D. Toilet room accessories.

1.03 References (including but not limited to)

- A. ANSI A117- 1986 *Specifications for Making Buildings and Facilities Accessible to and Usable by Physically Handicapped People.*
- B. UBC - Chapters 5 and 33 *Requirements for Handicapped.*
- C. Title 24, *California Code of Regulations.* Parts 2, 3, and 5.
- D. ADA, *Accessibility Guidelines for Buildings and Facilities*, Federal Register Volume 56, Number 144, Rules and Regulations.
- E. Fair Housing Amendments Act of 1988, *Accessibility Guidelines*, Federal Register Volume 56, Number 44.
- F. Southern Building Code.

1.04

Quality Assurance

A. Manufacturers

1. Model numbers for compartments manufactured by Bobrick Washroom Equipment, Inc. are listed to establish a standard of quality for design, function, materials, workmanship, and appearance. Other manufacturers may be submitted for evaluation by the architect by following the conditions of the substitutions clause. Unless approval is obtained ten days prior to the bid date, all bids shall be based on the standard of quality. The architect shall be the sole judge as to the acceptability of all products submitted for substitution.
2. Compartments shall be the product(s) of a single manufacturer.

1.05

Submittals

A. Comply with requirements of Section regarding submittals.

B. Manufacturer's Data

1. Provide required number copies of:
 - a. Product data sheets.
 - b. Installation instructions.
 - c. Replacement parts information.

C. Shop Drawings

1. Provide required number of copies of all shop drawings.
2. Show fabrication and erection of compartment assemblies, to extent not fully described by manufacturer's data sheets.
3. Show anchorage, accessory items and finishes.
4. Provide location drawings for bolt hole locations in supporting members for attachment of compartments.

D. Samples

1. Furnish scale model of compartments, including stile, shoe, door, door hardware, divider panel, and mounting brackets.
2. Furnish sections showing stile anchoring and leveling devices, concealed threaded inserts, panel and stile core construction, bonding methods, and edge construction.

1.06

Product Delivery, Storage, and Handling

A. Deliver items in manufacturer's original unopened protective packaging.

- B. Store materials in original protective packaging to prevent physical damage or wetting.
- C. Handle so as to prevent damage to finished surfaces.

1.07 Warranty

- A. Furnish one year guarantee against defects in material and workmanship.

PART 2 - PRODUCTS

2.01 Configurations

- A. Toilet Compartments shall be:
 - Floor-Anchored (1041 Designer Series)
 - or -
 - Overhead-Braced (1042 Designer Series)
 - or -
 - Ceiling-Hung (1048 Designer Series)
- B. Urinal Screens shall be:
 - Floor-Anchored (1041 Designer Series)
 - or -
 - Post-to-Ceiling (1043 Designer Series)
 - or -
 - Wall-Hung (1045 Designer Series)
 - or -
 - Ceiling-Hung (1048 Designer Series)

2.02 Components/Materials

- A. Stiles, Panels, Doors, Screens, and Benches
 - 1. All surfaces shall be high-pressure laminated plastic NEMA LDS-1985 minimum thickness 0.050" (1.33 mm) with matte finish. Color and pattern as selected by architect from Bobrick standard colors.
 - 2. Core
 - a. Stiles: 45-lb density, industrial grade, resin-impregnated, particle board bonded to each side of an 11-gauge (3-mm) steel reinforcing core.
 - b. Panels, doors, screens, and benches: 45-lb density, industrial grade, resin-impregnated, particle board.

B. Hardware

1. All hardware to be 18-8, type-304 stainless steel with satin finish.
2. All hardware shall be concealed inside compartments with the exception of out-swinging doors.
3. Hardware of chrome-plated "Zamac" is unacceptable.

C. Latch

1. Sliding door latch shall be 16 gauge (1.6 mm).
2. Sliding door latch shall require less than 5-lb force to operate. Twisting latch operation will not be acceptable.
3. Latch track shall be attached to door by flathead machine screws into factory-installed T-nuts.
4. Latch handle shall have rubber bumper to act as door stop.
5. Latch shall allow door to be lifted over 16-gauge (1.6-mm) keeper for emergency access.
6. Metal-to-metal connection shall withstand a direct pull of over 940 lb. per screw.

D. Hinges

1. Cam shall be adjustable in the field to permit door to be fully closed or partially open when compartment is unoccupied.
2. Hinges shall be attached to door and stile by theft-resistant, one-way stainless steel machine screws into factory-installed metal inserts. Fasteners secured directly into the core are not acceptable.
3. Metal-to-metal connection shall withstand a direct pull of over 540 lb. per screw.

E. Coat Hook shall be constructed of stainless steel and shall project no more than 1-1/8" (29 mm) from face of door. Coat hook shall be secured by theft-resistant, one-way stainless steel screws.

F. Mounting Brackets shall be constructed of stainless steel and shall be mounted inside compartment. Mounting brackets exposed on the exterior of the compartment will not be acceptable. Wall-mounted urinal screen brackets shall be 11 gauge (3 mm) double thickness.

G. Leveling Device shall be 3/8" x 7/8" (10 mm x 22 mm) steel bar welded to 11-gauge (3-mm) steel-reinforcing core. Leveling device shall be chromate-treated and double zinc-plated.

H. Stile Shoe shall be one-piece, 4" (102-mm) high, type-304, 22-gauge (0.8-mm) stainless steel with satin finish. Top shall have 90° return to stile. Patented one-piece shoe capable of adapting to 3/4" or 1" stile thickness and capable of being fastened (by clip) to stiles starting at wall line.

- I. Headrail (Overhead Braced) shall be extruded, satin finish, anodized aluminum (.075" thick) with anti-grip profile.
- J. *1043 Series Post-to-Ceiling Screen Only*: Floor-to-Ceiling Post shall be 1-1/4" (32-mm) square, 18-gauge, (1.2-mm), type-304 stainless steel, with satin finish.

2.03 Fabrication

- A. Stiles, Panels, Doors, and Screens:
 - 1. Bond high-pressure plastic laminate to core material with adhesive specially formulated to prevent delamination. Bond edges prior to bonding face sheets. No splices or joints in faces or edges shall be acceptable unless there are laminate material limitations.
 - 2. Finish thickness: 1" (25 mm) for uniform flush front.

PART 3 - EXECUTION

3.01 Inspection

- A. Check areas scheduled to receive compartments for correct dimensions, plumbness of walls and soundness of surfaces that would affect installation of mounting brackets.
- B. Verify spacing of plumbing fixtures to assure compatibility with installation of compartments.
- C. Do not begin installation of compartments until conditions are satisfactory.

3.02 Erection

- A. Install compartments rigidly, straight, plumb, and level and in accordance with manufacturer's installation instructions.
- B. Installation methods shall conform to manufacturer's recommendations for backing and proper support.
- C. Conceal evidence of drilling, cutting, and fitting to room finish.
- D. Maintain uniform clearance at vertical edge of doors.

3.03

Adjustment and Cleaning

- A. Adjust hardware for proper operation after installation.
- B. Set hinge cam on in-swinging doors to hold doors open when unlatched.
- C. Set hinge cam on out-swinging doors to hold unlatched doors in closed position.
- D. Clean exposed surfaces of compartments, hardware, and fittings.

