
SECTION 10161 - TOILET COMPARTMENTS

PART 1 GENERAL

1.01 SUMMARY

- A. Section includes ceiling hung toilet compartments and urinal screens, hardware and accessories.
- B. Related Sections:
 - 1. Section 05500 - Miscellaneous Metal: Overhead structural steel supports.
 - 2. Section 06100 - Rough Carpentry: Wall backing.
 - 3. Section 09100 - Metal Framing: Wall backing.
 - 4. Section 09310 - Ceramic Tile.
 - 5. Section 10810 - Toilet Accessories.

1.02 REFERENCES AND STANDARDS

- A. Except as otherwise specified herein or shown on the Drawings, comply with the latest editions of all applicable codes and regulations including the applicable requirements of the following reference Standards and Codes which are hereby made a part of this Section, as they relate to the toilet compartments.
 - 1. NEMA:LD 3 High Pressure Decorative Laminates.
 - 2. NBS: PS1 Construction and Industrial Plywood.
 - 3. ASTM: A 167 Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet and Strip.
 - 4. NAAMM: Metal Finishes Manual.
 - 5. BOCA Building Code, latest Edition.
 - 6. ADA Accessibility Guidelines, latest edition.
 - 7. The Occupational Health and Safety Administration (OSHA) Code of Federal Regulations(CFR), Volume 29.

1.03 SUBMITTALS

- A. Shop Drawings: Show layout with dimensions, elevations, installation details, and schedules of hardware and accessories. Provide details showing location for required steel reinforcement or wood blocking in walls to be provided by others for proper securement of the finished work.
- B. Submit catalog cuts, manufacturer's specifications and other pertinent information on construction details, hardware, materials, and accessories.
- C. Complete range of plastic laminate samples (excluding color core) for color selection.

- D. Submit certificate stating compliance with requirement for exterior grade plywood in panel and door cores.

1.03 QUALITY ASSURANCE

- A. Core Material for Plastic Laminate: Only compartments with panels and doors made with APA Group 1 Exterior grade plywood cores will be accepted.
- B. Installers shall be authorized by the manufacturer.

1.04 WARRANTY

- A. Manufacturer shall supply a written warranty covering all components and hardware against breakage, corrosion and delamination for a period of 15 years.

PART 2 PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

- A. The following manufacturers are acceptable, provided they comply with requirements of the Drawings and this Section:
 - 1. American Sanitary Partition Co.
 - 2. Ampco Products, Inc.
 - 3. Bobrick Washroom Equipment, Inc.
 - 4. Global-Mid-South Manufacturing Co.
- B. Equivalent products of other manufacturers which meet the requirements of the Drawings and this Section may be provided if approved by Resident.

2.02 MATERIALS

- A. Compartments: Plastic laminate minimum thickness 0.062 inches. Ceiling hung, with hardware and fittings complying with published specifications for this type. Doors equipped with gravity hinges with adjustable controls to keep the door ajar 2" to 4" when door is not latched.
 - 1. Colors to be selected from manufacturer's standard range, including patterns and solid colors but not including full color core or metallic finish materials.
- B. Core: Douglas Fir plywood, PS 1, exterior grade, with close grain veneer equivalent to Philippine mahogany.
 - 1. Particleboard cores are not acceptable.

- C. Provide one hook and rubber tipped bumper fitting on each door.
- D. Urinal Screens: Same manufacturer, construction, and color as compartments, 18" wide, 42" high, wall hung, bottom set 18" above floor.
- E. Adhesive: Urea formaldehyde resin.
- F. Hardware: Chrome plated brass as manufactured by the Jack Nob Corp., 290 Oser Avenue, Hauppauge, New York 11787. No substitutions.
- G. Top pilaster shoes: Stainless steel, ASTM A167, type 302/304 with NAAMM Finish Designation No. 4.
- H. Fasteners:
 - 1. Exposed bolts and screws: Vandal resistant, one-way heads, finished to match hardware.
- I. Support legs at partitions with grab rails: Stainless steel. Design as approved by Resident.

2.03 FABRICATION

- A. Partitions, pilaster, screen, and doors:
 - 1. Bond plastic laminate in one-piece sheets to core under continuous heat and pressure.
 - 2. No splices or joints in faces.
 - 3. Seal all edges against moisture.
 - 4. Conceal reinforcement for installation of hardware fittings, and accessories.
 - 5. Notch recesses and drill holes for hardware and fittings.
- B. Pilasters, supports and hangers: Provide leveling devices, anchor studs, and locking nuts.
- C. Wall brackets: Panel brackets, two ear, "T" style, 1 in. stock.
- D. Panel to pilaster brackets: Stirrup style brackets.
- E. Door hardware. Provide the following:
 - 1. Hinge: Self-lubricating, inward swing, cutout insert type, gravity return movement, adjustable to hold door open at any angle up to 90 degrees. Provide outward swing for handicapped units.
 - 2. Latch: Combination rubber faced door strike and keeper, equipped for emergency access.
 - 3. Door pull: For out-swing type doors.

PART 3 EXECUTION

3.01 INSPECTION

- A. Check areas scheduled to receive partitions for correct dimensions, plumbness of walls and soundness of wall surfaces that would affect installation of holding brackets.
- B. Verify spacing of plumbing fixtures to assure compatibility with installation of partitions.
- C. Do not proceed with installation until unsatisfactory conditions have been corrected.

3.02 INSTALLATION

- A. General: Install partitions and all components in accordance with manufacturer's standard recommendations and the following:
 - 1. Install partition rigidly, straight, plumb, and level.
 - 2. Provide clearances of not more than 1/2 in. between pilasters and panels, and 1/4 inch at vertical edges of doors.
 - 3. Provide clearances of not more than 1 in. between panels and walls.
 - 4. Secure panels to walls with not less than two stirrup brackets, attached near top and bottom of panel.
 - 5. Conceal evidence of drilling, cutting, and fitting or patching shall be visible in the finished work.
- B. Ceiling hung partitions:
 - 1. Provide rigid structural steel framework for the support of the compartment pilasters, consisting of a channel shape 6" deep suspended by a braced angle frame from the structural floor above the ceiling. Comply with the requirements of Section 05500.
 - a. Option: In place of the frames specified above, rigid supports constructed of Unistrut members may be provided.
 - 2. Secure pilasters and panels to the walls and to each other with chrome plated U brackets to hold the panel approximately 1" away from the wall. Use Phillips head sex nuts and bolts.
 - a. Make all other fastenings with one-way theft-proof bolts.
 - 3. Exercise care to assure pilaster hangers do not transmit loads to ceiling.
 - 4. Level, plumb and tighten installation with leveling devices.
 - 5. Secure pilaster shoes in position.
 - 6. Set bottoms of door and partition level with bottom of pilaster when doors are in locked position.
 - 7. Install coat hook on inside of each compartment door at centerline and 18 in. below

top of door.

- C. Wall mounted screens:
 - 1. Attach to wall with anchoring devices and wall brackets as indicated on Drawings.
 - 2. Position, level and tighten bolts.
 - 3. Set units to provide support and to resist lateral impact.

3.03 ADJUST AND CLEAN

- A. Adjust and lubricate hardware for proper operation after installation.
- B. Set hinges on outward swing doors to hold doors in closed position when unlatched.
- C. Perform final adjustments to leveling devices and hardware.
- D. Clean exposed surfaces and partitions, hardware, fittings and accessories.

END OF SECTION