

STANDARD SPECIFICATION
JANUARY 2010

DIVISION 10

SECTION 10D METAL TOILET PARTITIONS

10D.01 GENERAL: Comply with all of the Contract Documents.

10D.02 SCOPE OF WORK: Refer to "Division Scope of Work"

10D.03 WORK NOT INCLUDED

- A. The following items are excluded from this Section:
1. Installation of reinforcement plates by Section 6A.
 2. Metal doors and frames by Section 8A.
 3. Finish hardware by Section 8D.
 4. Tile work by Section 9C.
 5. Toilet room accessories by Section 10C.

10D.04 REFERENCES

- A. Americans with Disabilities (ADA) Standards for Accessible Design
- B. ANSI A117.1 – American National Standard for Buildings and Facilities - Providing Accessibilities and Usability for Physically Handicapped People.
- C. ASTM A526 - Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process, Commercial Quality.
- D. UFAS - Uniform Federal Accessibility Standards.

10D.05 MATERIALS

- A. Toilet compartment partitions - shall be flush panel floor mounted type manufactured by General Partitions Mfg. Corp., or approved equal as determined by Architect/Engineer.
1. Series 30, panels supported by pilasters anchored to the floor and braced overhead with head-rail.
- B. Urinal privacy screens - shall be flush panel, wall mounted type manufactured by General Partitions Mfg. Corp., or approved equal as determined by Architect/Engineer.

STANDARD SPECIFICATION
JANUARY 2010

1. Model WHS-1 – screen panels hung from wall with continuous aluminum channel.
- C. Panels for partitions, doors and urinal screens shall be fabricated from two galvanized steel face sheets, pressure bonded to honey comb core.
- a. Face sheets – 20 gage steel sheet, ASTM A526 with G60 zinc coatings
 - b. Minimum thickness – 1 inch
 - c. Core – Sound deadening, moisture resistant, impregnated cardboard honeycomb adhere to face sheets with moisture impervious adhesive.
 - d. Edges – Die drawn steel smooth molding attached to all four panel sides.
 - e. Corner reinforcement – Mechanically fused formed steel corner
 - f. Floor support – Steel bar saddle attachment to floor with threaded steel stud and leveling nuts.

10D.06 CONSTRUCTION

- A. Doors shall be sandwich type construction, 1" thick, consisting of two sheets of 20 gauge galvanized-bonderized steel cemented to a vermin and moisture resistant sound deadened core, and continuously at the edges with a crown locking strip which shall be mitered and welded and finished at corners. Provide steel reinforcing to receive hardware. Provide out-swing doors where indicated on the drawings.
- B. Dividing panels shall be same construction and thickness of doors, with steel reinforcing as required for toilet accessories and support brackets.
- C. Pilasters shall be sandwich type construction, 1-1/4" thick consisting of two sheets of 16 gauge galvanized-bonderized steel cemented to an insulating core, and reinforced with 12 gauge steel members. Edges shall be continuously sealed with a crown locking strip, mitered and welded and finished at corners. Provide steel reinforcing members as required for support brackets and anchorage.
1. Pilaster shoe trim at the floor line shall be adjustable, 6" high, with rounded corners manufactured from 14 gauge, type 302 stainless steel.
 2. Pilasters shall extend approximately 12" above doors.

STANDARD SPECIFICATION
JANUARY 2010

- D. Urinal screens shall be same construction and thickness of doors with steel reinforcing as required for support brackets. Screens shall be 12" above the finished floor.
- E. Headers shall be tubular members of extruded aluminum or stainless steel of approximately 1-1/2" x 1-1/2". Gauge shall be not less than 20 for stainless and 12 for aluminum. Headers shall be provided where indicated.

10D.07 HARDWARE

- A. Stirrup brackets between partition and walls, and partitions and pilasters shall be extruded aluminum.
 - 1. Brackets for headers shall be stainless steel or extruded aluminum designed especially to receive headers and flange for wall connection.
- B. Upper and lower gravity hinge assembly shall be concealed within the doors. Closure pieces and cover sealed within the doors. Closure pieces and cover plates on door surfaces shall be of 302 (18-8) stainless steel. If assembly has no cover plate, closure pieces shall be forged brass having solid 302 (18-8) stainless steel pin.
- C. Latch shall be solid forged brass having a solid 302 (18-8) stainless steel slide. Strike and keeper shall be 16 gauge 302 (18-8) stainless steel, with live rubber.
- D. Bumper coat hook shall be solid forged-brass, with ferrule holding live rubber in place.
- E. Adjust above hardware as required to accommodate out-swing doors where noted on the drawings.

10D.08 FINISH

- A. Finish coat shall be polyester enamel applied with hot air electrostatic system and baked at 400 degrees F. The Architect/Engineer reserves the option in selecting different colors for the work specified herein.
- B. Stainless steel items shall have a satin finish, and brass items shall be satin finish chromium plated over nickel over copper. Aluminum items shall be clear anodized.

10D.09 WORKMANSHIP AND INSTALLATION

- A. Verify dimensions, conditions in field prior to fabrication and erection. Start of erection shall imply approval of conditions to field to perform work as specified herein.

STANDARD SPECIFICATION
JANUARY 2010

- B. Each partition and urinal screen shall be secured to walls and/or pilasters with not less than three (3) stainless steel stirrup brackets. Wall connections shall consist of steel chromium plated over nickel oval washer head screws. Partitions and screens shall be secured to stirrup brackets with chromium plated over nickel nuts and studs. Screws and studs shall be of the vandal proof type.
- C. Partitions and screens shall be secured to masonry partitions using lead alloy expansion shields, and to reinforcing plates and studs.
- D. This contractor shall furnish all the reinforcing plates to accommodate all anchorage devices. Plates shall be installed into the work under the work of Section 6A.
- E. Method of installation shall have provisions to allow adjustment of partitions vertically and horizontally for complete leveling.
- F. Partitions and screens shall be erected in accordance with the approved shop drawings in a rigid, secure and level manner. Pilaster and floor supports for urinal screens shall be anchored to the floor construction using not less than two (2) expansion shield type anchors per support. Provide a leveling adjustment method as approved by the Architect/Engineer. Pilaster shoe trim shall completely conceal all anchorage assemblies.
- G. Evidence of drilling, cutting and fitting shall be concealed in the finished work. Clearance at vertical edges of doors shall be uniform from top to bottom and not exceed 1/4".
- H. Tops of doors, pilasters and dividing panels shall line up at the same level above the finished floor.
- I. Hardware shall be installed in a rigid manner. Exposed fasteners where approved shall be tamper proof. Hardware shall operate quietly and smoothly for use intended.

10D.10 CLEANING AND PROTECTION

- A. Finished surfaces shall be cleaned of dirt and grime.
- B. Completed installation shall be adequately protected from damage until final approval and acceptance.
- C. Damaged work shall be repaired and/or replaced as directed by the Architect/Engineer, at no additional cost.

10D.11 SHOP DRAWINGS

- A. Submit shop drawings to the Architect/Engineer for approval in accordance with the requirements of the Contract Documents prior to fabrication and installation.

STANDARD SPECIFICATION
JANUARY 2010

Shop drawings shall include plans, sections and details of partitions and screens including method of attachment to adjacent construction.

10D.12 SAMPLES

- A. Samples and color selection charts shall be submitted to the Architect/Engineer for approval in accordance with the requirements of the Contract Documents.

10D.13 GUARANTEES

- A. Guarantee all items of work furnished and installed under this Section for (1) one year, in addition to manufacturer's standard warranties. All guarantees to be from the date, when **Final Certificate of Occupancy** is issued from Department of Buildings.

END OF SECTION