

1 General

1.1 **SECTION INCLUDES**

- .1 Labour, Products, equipment and services necessary for compartments and cubicles work in accordance with the Contract Documents.

1.2 **REFERENCES**

- .1 ASTM A167, Specification for Stainless Steel and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.
- .2 ASTM A653, Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
- .3 ASTM E84, Standard Test Method for Surface Burning Characteristics of Building Materials.
- .4 CAN/CSA B651-M, Accessible Design for the Built Environment.

1.3 **SUBMITTALS**

- .1 Shop drawings: Submit shop drawings in accordance with Section 01 33 00 indicating fabrication and erection details, plans, elevations, hardware, and installation details.
- .2 Samples:
 - .1 Submit samples in accordance with Section 01 33 00.
 - .1 Submit 300 x 300 mm samples for each colour.
 - .2 Submit samples of each hardware item, including brackets, fastenings, and trim.
- .3 Closeout submittals: Provide maintenance data for maintenance of finished work for incorporation into Maintenance Manual in accordance with Section 01 78 23.

1.4 **PROTECTION**

- .1 Cover finished surfaces with heavy Kraft paper or put in cartons during shipment. Protect installed surfaces by approved means. Do not remove until immediately prior to final inspection.

2 Products

2.1 **ACCEPTABLE MANUFACTURERS**

- .1 Phenolic partition doors, urinal screens and accessories:
 - .1 'Duraline Solid Phenolic' by Bobrick Washroom.
 - .2 'Solid Phenolic Core' by Bradley Corporation.
 - .3 'EAD BRIO Phenolic Partitions' by EAD Design.
 - .4 'Solid Plastic Partitions' by Hadrian Manufacturing Inc

2.2 **MATERIALS**

- .1 All materials under work of this Section, including but not limited to, adhesives, primers and sealants are to have low VOC content limits and emissions requirements.
- .2 Phenolic partitions:
 - .1 19 mm thick consisting of multiple resin-impregnated kraft paper core with colour and clear melamine surface sheets, fused at high temperature. No brown core permitted.
 - .2 Colour: Refer to the Interior Finishes Materials Schedule.
- .2 Hardware:
 - .1 Hinges: concealed continuous piano hinges, heavy duty aluminum or custom-fabricated Type 316 L stainless steel, self-lubricating inward swing.
 - .2 Slide bolt and keeper: Custom-fabricated Type 316 L stainless steel casting or extrusion, equipped for emergency access.
 - .3 Door stop: Custom-fabricated Type 316 L stainless steel casting or extrusion with rubber insert, wall mounted.
 - .4 Connecting brackets: channel shaped, stainless steel extrusion or casting, continuous.
 - .5 Coat hook: Refer to Section 10 28 13.
 - .6 Door pull: Minimum 140 mm long 'D' type heavy duty brushed aluminum door pull in contrasting colour. Provide on inside of out-swinging door between 200 and 300 mm from hinged side of door at outside door handle height and on the outside near the latch side of door.
 - .7 Occupancy indicator latch for all doors.
- .3 Provide the following privacy options:
 - .1 Full height continuous stops.
 - .2 Continuous hinges.
- .4 Stainless steel sheet metal: ASTM A167, Type 316L with No. 4 satin finish.
- .5 Fasteners: Aluminum or Type 316L stainless steel tamperproof type screws and bolts.

2.3 **FABRICATION**

- .1 Compartment and cubicles:
 - .1 Changeroom doors: 975 mm wide x 2100 mm high with 100 mm wide x 2300 mm high mounting strips fastened to block wall, with full privacy hardware for all stalls
- .2 Fabricate pilaster boot assembly for top, of minimum 0.8 mm thick die formed stainless steel. Fabricate assembly in size to suit pilaster.
- .3 Work of this Section to account for any potential additional cost associated with custom-fabrication and supply and install to provide stainless steel grade 316L for all stainless steel components required for compartment and cubicle work.

3 Execution

3.1 **EXAMINATION**

- .1 Verify condition and dimensions of previously installed Work upon which this Section depends. Report defects to Consultant. Commencement of work of this Section means acceptance of existing conditions.
- .2 Verify there is adequate supports and/or blocking in gypsum board assemblies prior to installation of toilet partitions and change cubicles.
- .3 Metal support framing: In accordance with Section 05 50 00. Coordinate with noted Section as required for installation of metal support framing with toilet partitions.

3.2 **INSTALLATION**

- .1 Install compartments and cubicles in accordance with manufacturer's details and reviewed shop drawings, for a secure, plumb, square, and rigid installation.
- .2 Install doors with 6 mm to 10 mm maximum space between door panel and pilasters.
- .3 Install panels with 6 mm maximum space between panels and walls.
- .4 Install hardware in accordance with manufacturers' instructions and CAN/CSA B651-M.
- .5 Install door tops edges aligned parallel with top edges of side partitions; determine alignment when doors are in closed position.
- .6 Set panels and doors level and in line.
- .7 Hang doors to remain stationary at open position.
- .8 Equip each door with hardware. Adjust and align hardware for easy, proper function.
- .9 Provide closure pilasters, as required, at end units of compartment bank.

- .10 Remove and replace damaged components not acceptable to Consultant.

3.3 **SCREEN ERECTION**

- .1 Provide toilet and urinal screens consisting of panel and framing/supports as detailed.
- .2 Anchor screen panels to mounted to floor and walls with wall hung urinal screen brackets at height as indicated.

3.4 **ADJUSTING**

- .1 Adjust operating hardware to work smoothly and without force. Adjust hinges of compartment doors so that all doors remain open to the same degree when unlatched, except doors at handicapped cubicles shall close automatically.

END OF SECTION