

PART 1 GENERAL

1.1 WORK INCLUDED

- .1 This section includes all labour, tools, materials and equipment to supply and install metal toilet partitions as indicated on the drawings and as specified herein.

1.2 RELATED WORK

- .1 Washrooms Accessories: Section 10 28 13

1.3 REFERENCES

- .1 CAN/CGSB-1.81-M90, Air Drying and Baking Alkyd Primer for Vehicles and Equipment.
- .2 CAN/CGSB-1.104-M91, Semigloss Alkyd Air Drying and Baking Enamel.
- .3 CAN/CSA-B651-12(R2017), Barrier-Free Design.

1.4 SHOP DRAWINGS

- .1 Submit shop drawing in accordance with Section 01 33 00.
- .2 Indicate fabrication details, plans, elevations, hardware, and installation details.

PART 2 PRODUCTS

2.1 MATERIALS

- .1 Metal toilet partitions: power coated, min. 50% recycled content, concealed hardware, gravity hinges, honeycomb core, ceiling hung.
 - .1 Construction of units as per manufacturer's specifications.
 - .2 Size as noted on drawings.
 - .3 Accessories: rubber bumpered coat hook.

2.2 FABRICATION

- .1 Doors, panels and screens: 25 mm thick, two steel sheets faces pressure bonded to honeycomb core.
- .2 Provide formed and closed edges for doors, panels and pilasters. Miter and weld corners and grind smooth.
- .3 Provide internal reinforcement at areas of attached hardware and fittings. Temporarily mark location of reinforcement for tissue holders and grab bars.

2.3 FINISHES

- .1 Clean, degrease and neutralize steel components with phosphate or

chromate treatment.

- .2 Spray apply primer to CAN/CGSB-1.81, one (1) coat.
- .3 Spray apply finish enamel to CAN/CGSB-1.104, Type 2, semi-gloss, 2 coats and bake to smooth, hard finish 1 mil thick.

PART 3 EXECUTION

3.1 INSTALLATION

- .1 Confirm supplementary anchorage, if required, is in place.
- .2 Do work in accordance with CAN/CSA-B651.

3.2 ERECTION

- .1 Partition erection:
 - .1 Install partitions secure, plumb and square.
 - .2 Leave 12.5 mm space between wall and panel or end pilaster.
 - .3 Anchor mounting brackets to masonry/concrete surfaces using screws and shields: to hollow walls using bolts and toggle type anchors, to steel supports with bolts in threaded holes.
 - .4 Attach panel and pilaster to brackets with through type sleeve bolt and nut.
 - .5 Provide templates for locating threaded studs through finished ceilings.
 - .6 Equip each door with hinges, latch set, and each stall with coat hook mounted on side wall. Adjust and align hardware for easy, proper function. Set door open position at 30° to front open. Install door bumper wall mounting.

END OF SECTION

PART 1 GENERAL

1.1 WORK INCLUDED

- .1 This section specifies requirements for accessories in Locker/Washroom, Office, and other areas as shown on Drawings.

1.2 RELATED WORK

- .1 Metal Fabrications: Section 05 50 00
- .2 Metal Partitions: Section 10 22 00

1.3 REFERENCES

- .1 ASTM A167-99(2009), Stainless and Heat-Resistant Chromium-Nickel Steel Plate, Sheet and Strip.
- .2 ASTM B456-11E1, Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium.
- .3 ASTM A653/A653M-15, Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
- .4 ASTM G21-2015, Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi.

1.4 SAMPLES

- .1 Submit duplicate samples of each accessory in accordance with Section 01 33 00.

1.5 SHOP DRAWINGS

- .1 Submit shop drawings or catalogue illustrations in accordance with Section 01 33 00.
- .2 Indicate size and description of components, base material, surface finish inside and out, hardware and locks, attachment devices, description of rough-in-frame.

1.6 PROTECTION

- .1 Protect finished laminated plastic surfaces during shipment and installation. Do not remove until immediately prior to final inspection.

PART 2 PRODUCTS

2.1 MATERIALS

- .1 Sheet steel: commercial quality to ASTM A653 with ZF001 designation

zinc coating.

- .2 Stainless steel sheet metal: to ASTM A167, Type 304, with A151 No. 4, satin luster finish.
- .3 Stainless steel tubing: Type 304, commercial grade, seamless welded 1.2 mm wall thickness.
- .4 Fasteners: concealed screws and bolts hot dip galvanized, exposed fasteners to match face of unit. Expansion shields fibre, lead or rubber as recommended by accessory manufacturer for component and its intended use.
- .5 Chrome and nickel plating: to ASTM B456 satin finish.
- .6 Manufacturer's or brand names on face of units not acceptable.

2.2 FIXTURES

- .1 Toilet paper dispenser (TPD): double roll type surface mounted, satin finish stainless steel, capacity of 500 double ply roll.
- .2 Paper towel dispenser (PTD): acceptable products as follows:
 - .1 Automatic feed, 200 mm roll paper towels, translucent cabinet, hinged front refill, surface mounted, approximately 230 mm x 230 mm x 380 mm high.
 - .2 Automated touchless dispenser, motion activated, front load, 355 H x 250 W x 450 D.
- .3 Soap Dispenser (SD): acceptable products as follows:
 - .1 Wall mounted, all-purpose push type dispensing valve suitable for easy flowing anti-bacterial soap, liquid or lotion soaps. Impact-resistant grey polymer finish, with removable inner soap reservoir with approximately 1.5 L capacity.
 - .2 Antibacterial foam hand soap, 300H x 120W x 200D approximately.
- .4 Mirror (M): stainless steel angle framed, 6 mm thick glass mirror, size 760 mm high x 610 mm wide
- .5 Robe hooks (RH): satin finish stainless steel with 60 mm projection, double robe rook.
- .6 Shower curtain and rod (SC): mildew-proof, non-combustible white vinyl shower curtain, complete with shower rod vinyl plastic curtain rings and 38 mm diameter stainless steel shower rod.
- .7 Change Bench (Bench):
 - .1 Top: 2 - 38 x 140 cedar top, 800 mm long, bolted from underside to frame.
 - .2 Pedestal: 10 mm thick x 100 mm wide flat steel bar frame with welded corners, 400 mm high, floor or wall mounted.
- .8 Folding seat: surface mounted seat. Fold up against wall for storage

purposes. 304 stainless steel frame and wall flanges with satin finish. Stainless steel mounting hardware. Seat fabricated from 8mm thick plastic laminate with matte finish and integral slots for drainage.

- .9 Grab Bars: horizontal mounted, 32 mm diameter stainless steel grab bars with concealed mounting, satin finished with peened gripping surface, 1067 mm long.
- .10 Baby change table: polyethylene tested to ASTM G21, concave surface, surface mount complete with safety straps, dispenser for table liners, hooks for placing diaper bag and hardware.

2.3 FABRICATION OF WASHROOM ACCESSORIES

- .1 Weld and grind joints of fabricated components flush and smooth. Use mechanical fasteners only where approved.
- .2 Wherever possible form exposed surfaces from one sheet of stock, free of joints.
- .3 Brake form sheet metal work with 1.5 mm radius bends.
- .4 Form surfaces flat without distortion. Maintain flat surfaces without scratches or dents.
- .5 Back paint components where contact is made with building finishes to prevent electrolysis.
- .6 Hot dip galvanize concealed ferrous metal anchors and fastening devices to ASTM A123.
- .7 Shop assemble components and package complete with anchors and fittings.
- .8 Deliver inserts and rough-in frames to job site at appropriate time for building-in. Provide templates, details and instructions for building in anchors and inserts.
- .9 Provide screws and wall plugs for installation on concrete block walls.

PART 3 EXECUTION

3.1 INSTALLATION

- .1 Install and secure accessories rigidly in place as follows:
 - .1 Hollow masonry units: use toggle bolts drilled into cell/wall cavity.
 - .2 Ensure supplementary anchorage, if required, is in place.
- .2 Use tamper proof screws/bolts for fasteners.
- .3 Fill units with necessary supplies shortly before final acceptance of building.

3.2 SCHEDULE OF LOCATION AND QUANTITY

- .1 Locate accessories where indicated on the Project Drawings. Exact locations will be confirmed by the Departmental Representative.

END OF SECTION