

PART 1 - GENERAL

1.1 REFERENCES

- .1 American Society for Testing and Materials International, (ASTM).
 - .1 ASTM A240/A240M-08, Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications.
 - .2 ASTM A653/A653M-09a, Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
- .2 Canadian General Standards Board (CGSB).
 - .1 CAN/CGSB-1.81-M90, Air Drying and Baking Alkyd Primer for Vehicles and Equipment.
 - .2 CAN/CGSB-1.104M-91, Semigloss Alkyd, Air Drying and Baking Enamel.
- .3 Canadian Standards Association (CSA International).
 - .1 CAN/CSA-B651-04(R2010), Accessible Design for the Built Environment.

1.2 SUBMITTALS

- .1 Product Data:
 - .1 Submit manufacturer's printed product literature, specifications and data sheet in accordance with Section 01 33 00.
 - .2 Submit two copies of WHMIS MSDS - Material Safety Data Sheets in accordance with Section 01 33 00. Indicate VOC's:
 - .1 For caulking materials during application and curing.
- .2 Shop Drawings:
 - .1 Submit shop drawings in accordance with Section 01 33 00.
 - .2 Indicate fabrication details, plans, elevations, hardware, and installation details.
- .3 Samples:
 - .1 Submit samples in accordance with Section 01 33 00.
 - .2 Submit duplicate 300 x 300 mm samples of panel showing finished edge and corner construction and core construction.
 - .3 Submit duplicate representative samples of hardware items, including brackets, fastenings and trim.

1.2 SUBMITTALS
(Cont'd)

- .4 Manufacturer's Instructions:
 - .1 Submit manufacturer's installation instructions.
- .5 Manufacturers' Field Reports: submit copies of manufacturers' field reports.

1.3 QUALITY
ASSURANCE

- .1 Test Reports: certified test reports showing compliance with specified performance characteristics and physical properties.
- .2 Certificates: product certificates signed by manufacturer certifying materials comply with specified performance characteristics and criteria and physical requirements.
- .3 Pre-Installation Meetings: conduct pre-installation meeting to verify project requirements, manufacturer's installation instructions and manufacturer's warranty requirements.

1.4 WASTE
MANAGEMENT AND
DISPOSAL

- .1 Separate and recycle waste materials in accordance with Section 01 74 20.
- .2 Remove from site and dispose of packaging materials at appropriate recycling facilities.
- .3 Collect and separate for disposal paper, plastic, polystyrene, corrugated cardboard, packaging material in appropriate on-site bins for recycling in accordance with Waste Management Plan.

PART 2 - PRODUCTS

2.1 MATERIALS

- .1 Metal toilet partitions.
- .2 Sheet steel: commercial quality to ASTM A653/A653M with ZF001 designation zinc coating.
- .3 Minimum base steel thickness:
 - .1 Panels and doors: 0.8 mm.
 - .2 Pilasters: 1.0 mm.
 - .3 Reinforcement: 3.0 mm.

2.1 MATERIALS
(Cont'd)

- .4 Stainless steel sheet metal: to ASTM A240/A240M, Type 430, with satin finish.
- .5 Pilaster shoe ceiling trim: 0.8 mm stainless steel, 75 mm high.
- .6 Attachment: stainless steel tamperproof type screws and bolts.

2.2 COMPONENTS

- .1 Hinges:
 - .1 Heavy duty, non-lubricating, nylon bushings.
 - .2 Material/finish: stainless steel.
 - .3 Swing: inward.
 - .4 Return movement: gravity.
 - .5 Emergency access feature.
- .2 Latch set: surface mounted, combination latch, door stop, keeper and bumper, stainless steel, emergency access feature.
- .3 Wall and connecting brackets: stainless steel extrusion or casting.
- .4 Coat hook: combination hook and rubber door bumper, stainless steel.
- .5 Door pull: stainless steel.

2.3 FABRICATION

- .1 Doors, panels and screens: 25 mm thick, two steel sheets faces pressure bonded to honeycomb core, to sizes indicated.
- .2 Pilasters: 32 mm thick, constructed same as door.
- .3 Provide formed and closed edges for doors, panels and pilasters. Miter and weld corners and grind smooth.
- .4 Provide internal reinforcement at areas of attached hardware and fittings. Temporarily mark location of reinforcement for tissue holders.

2.3 FABRICATION
(Cont'd)

- .5 Provide 0.8 mm thick type 430 stainless steel protective shields on urinal side of toilet partition panels next to urinals and on urinal screens. Make protective shields 1000 mm high with top of shield 1200 mm above finished floor. Make shields to full width of partition or screen panel. Fasten with stainless steel screws.

2.4 FINISHES

- .1 Clean, degrease and neutralize steel components with phosphate or chromate treatment.
- .2 Spray apply primer to CAN/CGSB-1.81, 1 coat.
- .3 Spray apply finish enamel to CAN/CGSB-1.104, Type 2, semi-gloss, 2 coats and bake to smooth, hard finish 0.025 mm thick.
- .4 Finish: doors and pilaster/panels same colour as selected from manufacturer's standard colours, total 1 colour for project.

PART 3 - EXECUTION

3.1 MANUFACTURER'S
INSTRUCTIONS

- .1 Compliance: comply with manufacturer's written data, including product technical bulletins, product catalogue installation instructions, product carton installation instructions, and data sheets.

3.2 INSTALLATION

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

3.3 ERECTION

- .1 Partition erection.
- .1 Install partitions secure, plumb and square.
- .2 Leave 12 mm space between wall and panel or end pilaster.
- .3 Anchor mounting brackets to hollow walls using bolts and toggle type anchors, blocking/backing must be provided.
- .4 Attach panel and pilaster to brackets with through type sleeve bolt and nut.

3.3 ERECTION
(Cont'd)

- .1 (Cont'd)
 - .5 Provide for adjustment of floor-braced pilasters variations with screw jack through steel saddles made integral with pilaster. Conceal floor fixings with stainless steel shoes.
 - .6 Equip doors with hinges, latch set, and each stall with coat hook mounted on door. Adjust and align hardware for easy, proper function.
- .2 Floor supported partition erection.
 - .1 Floor supported partition erection.
 - .1 Secure pilasters to floor with pilaster supports anchored with minimum 50 mm penetration in structural floor.
 - .2 Level, plumb and tighten installation with levelling device.
 - .3 Secure pilaster shoes in position.
 - .4 Set tops of doors level with tops of pilasters when doors are in closed position.
 - .2 Screens erection:
 - .1 Provide urinal stall screens consisting of panel as specified for toilet compartments and as indicated.
 - .2 Anchor wall-hung screen panels to walls with 3 panel brackets and wing brackets.

3.4 ADJUSTING

- .1 Adjust doors and locks for optimum, smooth operating condition.
- .2 Lubricate hardware and other moving parts.

3.5 CLEANING

- .1 Perform cleaning after installation to remove construction and accumulated environmental dirt.
- .2 Clean surfaces after installation using manufacturer's recommended cleaning procedures.
- .3 Clean aluminum with damp rag and approved non-abrasive cleaner.
- .4 Clean and polish hardware and stainless components.
- .5 Upon completion of installation, remove surplus materials, rubbish, tools and equipment barriers.