Part 1 **General**

1.1 **SHOP DRAWINGS**

.1 Submit shop drawings in accordance with Section 01 33 00 - Submittal Procedures.

.2 Submit shop drawings, catalogue sheets and scaled templates.

.3 Indicate materials, thicknesses, sizes, finishes, colours, construction details, mounting methods, schedule of signs.

.4 Submit templates, drawn-to-scale details for individually fabricated or incised lettering indicating word and letter spacing.

1.2 **SAMPLES**

.1 Submit samples in accordance with Section 01 33 00 - Submittal Procedures.

.2 Submit duplicate representative sample of each type sign, sign image and mounting method.

Part 2 **Products**

2.1 **MATERIALS**

.1 Stainless Steel:

.1 Size as indicated.

.2 Finish, thickness, and mounting supports to approved shop drawings.

2.2 **FABRICATION**

.1 Fabricate signs in accordance with details, specifications and shop drawings.

.2 Build units square, true, accurate to size, free from visual or performance defects.

.3 Accurately fit and securely join sections to obtain tight, closed joints.

.4 Allow for thermal movement without distortion of components.

.5 Exposed fasteners permitted only where indicated or approved by Contract Administrator and to be inconspicuous and same finish and colour as base material, or as noted.

.6 Manufacturer's nameplates on sign surface locations visible in completed work not acceptable.

Part 3   Execution

3.1   INSTALLATION

.1   Erect and secure signs plumb and level at elevations indicated and as directed by Contract Administrator.

.2   Comply with sign manufacturer's installation instructions and approved shop drawings.

3.2   CLEANING

.1   Leave signs clean.

.2   Touch up any damaged finishes.

END OF SECTION

Part 1 General

1.1 REFERENCES

.1 Canadian Standards Association (CSA)

.1 CAN/CSA-B651-04, Accessible Design for the Built Environment.

1.2 MANUFACTURER

.1 All compartments of a single manufacturer.

1.3 SHOP DRAWINGS

.1 Submit shop drawings in accordance with Section 01 33 00 - Submittal Procedures.

.2 Indicate fabrication details, plans, elevations, hardware, anchorage and installation details.

1.4 SAMPLES

.1 Submit samples in accordance with Section 01 33 00 - Submittal Procedures.

.2 Submit duplicate 300 x 300 mm samples of panel showing finish on both sides, two finished edges and core construction.

.3 Submit duplicate representative samples of each hardware item, including brackets, fastenings and trim.

1.5 CLOSEOUT SUBMITTALS

.1 Provide maintenance data for panels, trim and hardware for incorporation into manual specified in Section 01 78 00 - Closeout Submittals.

1.6 STORAGE AND PROTECTION

.1 Deliver, store, handle and protect materials in accordance with Section 01 61 00 - Common Product Requirements.

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

Part 2 Products

2.1 CONFIGURATIONS

.1 Toilet compartments floor anchored, overhead braced.

2.2   **COMPONENTS / MATERIALS**

.1   Construction: Doors, panels, and pilasters shall be polypropylene or polyethylene solid plastic.

.2   Doors: 25mm thick by 1397mm high straight cut with fine radius edges.

.3   Panels: 25mm thick by 1397mm high straight cut with fine radius edges.

.4   Pilasters: 25mm thick by 2083 mm high straight cut with fine radius edges.

.5   Headrail: 32mm by 44mm extruded anodized aluminum with anti-grip design. Wall thickness to be 1.5mm and to be securely attached to wall and pilasters with manufacturer's fittings in such a way as to make a rigid installation. All joints in headrails shall be made at a pilaster.

.6   Hardware and Fittings:
.1   Doors: 1/8" thick heavy extruded clear anodized aluminum hinges, which wrap around both the door and pilaster. Hinges to be fastened to door and pilaster with tamper-proof 6-lobe security head stainless steel thru-bolts and fastened to the edge of the door and pilaster with a #10 x 1" screw. Top hinges to have adjustable nylon cams. Strike-keeper and throw latch extruded clear anodized aluminum.
.2   Heavy-duty aluminum brackets: three required at the panel to wall connection and a full-height continuous aluminum channel to be used at the panel to pilaster connection.
.3   Coat hook & bumper: solid cast zinc hook and black rubber bumper. Fasteners to be theft-proof 6-lobe security head stainless steel screws.
4   Pilasters to be securely and rigidly fastened to the floor on vertically adjustable floor brackets. The floor fastening shall be concealed and protected by a 102mm high solid plastic pilaster shoe.

.7   Acceptable manufacturer:
.1   Comtee series S200, Capital Partitions Poly-Pro P3, Congress Basic , Santana Poly-Mar HD

2.3   **FINISH**

.1   Doors, panels, and pilasters shall be constructed of matte finished polypropylene or gloss finished polyethylene with uniform color throughout. Color as selected from manufacturer's standard colour range by Contract Administrator

2.4   **FABRICATION**

.1   Provide internal reinforcement at areas of attached hardware and fittings. Temporarily mark location of reinforcement for grab bars.

Part 3   **Execution**

3.1   **INSTALLATION**

.1   Ensure 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 mm space between wall and panel or end pilaster.

.3   Anchor mounting brackets to masonry or 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 for adjustment of floor variations with screw jack through steel saddles made integral with pilaster. Conceal floor fixings with stainless steel shoes.

.6   Equip each door with hinges, latch set, and each stall with coat hook mounted on door. Adjust and align hardware for proper function. Set door open position at full open. Install door bumper.

.7   Equip outswinging doors with door pulls in accordance with CAN/CSA-B651.

.8   Install hardware grab bars.

.2   Floor supported partition erection.

.1   Attach pilasters to floor with pilaster supports and level, plumb, and tighten installation with levelling device.

.2   Secure pilaster shoes in position.

END OF SECTION

Part 1   General

1.1   REFERENCES

.1   American Society for Testing and Materials (ASTM)

.1   ASTM A167-99, Standard Specification for Stainless and Heat-Resisting
Chromium-Nickel Steel Plate, Sheet, and Strip.

.2   ASTM A653/A653M-99, Standard Specification for Steel Sheet, Zinc-Coated
(Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.

.2   Canadian Standards Association (CSA)

.1   CAN/CSA-B651-04, Barrier-Free Design.

1.2   SHOP DRAWINGS

.1   Submit shop drawings in accordance with Section 01 33 00 - Submittal Procedures.

.2   Indicate size and description of components, base material, surface finish inside and out,
hardware and locks, attachment devices, description of rough-in-frame, building-in
details of anchors for grab bars.

1.3   SAMPLES

.1   Submit samples in accordance with Section 01 33 00 - Submittal Procedures.

.2   Samples to be returned for inclusion into work.

1.4   CLOSEOUT SUBMITTALS

.1   Provide maintenance data for toilet and bath accessories for incorporation into manual
specified in Section 01 78 00 - Closeout Submittals.

1.5   EXTRA MATERIALS

.1   Provide special tools required for accessing, assembly/disassembly or removal for toilet
and bath accessories in accordance with requirements specified in Section 01 78 00 -
Closeout Submittals.

.2   Deliver special tools to Contract Administrator.

Part 2   Products

2.1   MATERIALS

.1   Sheet steel: to ASTM A653/A653M with ZF001 designation zinc coating.

.2   Stainless steel sheet metal: to ASTM A167.

□

.3   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.

2.2   COMPONENTS

.1   As indicated in Schedule.

2.3   FABRICATION

.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 CSA G164.

.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 steel anchor plates and components for installation on studding and building framing.

2.4   FINISHES

.1   Stainless steel as indicated.

.2   Manufacturer's or brand names on face of units not acceptable.

Part 3   Execution

3.1   INSTALLATION

.1   Install and secure accessories rigidly in place as follows:

      .1   Stud walls: install steel back-plate to stud prior to plaster or drywall finish. Provide plate with threaded studs or plugs.

      .2   Hollow masonry units or existing plaster/drywall: use toggle bolts drilled into cell/wall cavity.

      .3   Solid masonry, marble, stone or concrete: use bolt with lead expansion sleeve set into drilled hole.

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         .4   Toilet/shower compartments: use male/female through bolts.

  .2   Install grab bars on built-in anchors provided by bar manufacturer.

  .3   Use tamper proof screws/bolts for fasteners.

  .4   Fill units with necessary supplies shortly before final acceptance of building.

3.2   **SCHEDULE**

  .1   Locate accessories as indicated. Exact locations determined by Contract Administrator.

END OF SECTION