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**PART 1 GENERAL**

**1.1 REFERENCES**

- .1 American Society for Testing and Materials International (ASTM)
  - .1 ASTM A 480/A 480M -16B, Standard Specification for General Requirements for Flat-Rolled Stainless and Heat-Resisting, Sheet, and Strip.
- .2 Canadian General Standards Board (CGSB)
  - .1 CAN/CGSB-71.20-M88, Adhesive, Contact, Brushable.
- .3 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
  - .1 Material Safety Data Sheets (MSDS).

**1.2 ACTION AND INFORMATIONAL SUBMITTALS**

- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
  - .1 Submit manufacturer's printed instructions, product literature for plastic toilet compartments and include product characteristics, performance criteria, physical size, finish and limitations.
- .3 Shop Drawings:
  - .1 Indicate fabrication details, plans, elevations, hardware, and installation details.
- .4 Closeout Submittals:
  - .1 Provide maintenance data for plastic laminate for incorporation into manual specified in Section 01 78 00 - Closeout Submittals.

**1.3 DELIVERY, STORAGE AND HANDLING**

- .1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements.
- .2 Delivery and Acceptance Requirements: deliver materials to site in original factory packaging, labelled with manufacturer's name and address.
- .3 Storage and Handling Requirements:
  - .1 Store materials indoors in dry location and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
  - .2 Store and protect specified materials from nicks, scratches, and blemishes.
  - .3 Replace defective or damaged materials with new.

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## **PART 2 PRODUCTS**

### **2.1 MATERIALS**

- .1 Solidly fused plastic laminate with matte finished melamine surfaces. Coloured face sheets and black phenolic-resin core that are integrally bonded. Black edges.
- .2 Stainless steel sheet metal: to ASTM A480/A480M, Type 304 with #4 finish.
- .3 Headrails: 57 mm x 57 mm clear anodized, extruded aluminum, anti grip design.
- .4 Pilaster shoe: 0.8 mm stainless steel, 75 mm high.
- .5 Attachment: stainless steel tamper proof type screws and bolts.

### **2.2 COMPONENTS**

- .1 Hinges:
  - .1 Heavy duty, non-lubricating nylon bushings.
  - .2 Material/finish: chrome plated non-ferrous casting.
  - .3 Swing: as indicated on drawings.
  - .4 Return movement: gravity
  - .5 Adjustable to hold door open at any angle up to 90 degrees.
  - .6 Emergency access feature.
- .2 Latch set: surface mounted, combination latch, door-stop, keeper and bumper, type 304 heavy gauge, stainless steel, emergency access feature.
- .3 Wall and connecting brackets: type 304 heavy gauge stainless steel extrusion or casting.
- .4 Coat hook: combination hook and rubber door bumper, type 304 stainless steel.
- .5 Door pull: Barrier-free type suited for out swinging doors, type 304 stainless steel.

### **2.3 FABRICATION**

- .1 Doors, panels and screens: 19 mm thick, composite plastic laminate panels, to sizes indicated.
- .2 Pilasters: 19 mm thick, constructed same as door, to sizes indicated.
- .3 Laminate plastic to core material ensuring core and laminate profiles coincide to provide continuous support and bond over entire surface.
- .4 Provide internal reinforcement at areas of attached hardware and fittings.

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## **PART 3 EXECUTION**

### **3.1 EXAMINATION**

- .1 Verification of Conditions: verify that conditions of substrate previously installed under other Sections or Contracts are acceptable for plastic toilet compartments installation in accordance with manufacturer's written instructions.
  - .1 Visually inspect substrate in presence of Departmental Representative.
  - .2 Inform Departmental Representative of unacceptable conditions immediately upon discovery.
- .2 Proceed with installation only after unacceptable conditions have been remedied.

### **3.2 MANUFACTURER'S INSTRUCTIONS**

- .1 Compliance: comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and datasheets.

### **3.3 INSTALLATION**

- .1 Ensure supplementary anchorage, if required, is in place.

### **3.4 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.
  - .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 Provide templates for locating threaded studs through finished ceilings.
  - .7 Equip each door with hinges, latch set, and each stall with coat hook mounted on door, mounting heights 1550mm. Adjust and align hardware for proper function. Set door open position at 30 degrees to front. Install door bumper door mounted.
  - .8 Install hardware.
- .2 Floor supported and overhead braced 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.
  - .3 Secure headrail to pilaster face with not less than two fasteners per face.
  - .4 Set tops of doors parallel with overhead brace when doors are in closed position.
- .3 Screen erection:
  - .1 Provide urinal stall screens consisting of panel, pilaster and headrail.

- .2 Anchor screen panels to walls with 3 panel brackets and pilaster complete with floorshoes, anchored to floor.

### **3.5 CLEANING**

- .1 .Progress Cleaning: clean in accordance with Section 01 74 11 - Cleaning.
  - .1 Leave Work area clean at end of each day.
- .2 Final Cleaning: upon completion remove surplus materials, rubbish, tools and equipment in accordance with Section 01 74 11 - Cleaning.

**END OF SECTION**