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**Partie 1      General**

**1.1            RELATED REQUIREMENTS**

- .1      Section 05 50 00 – Metal Fabrications.
- .2      Section 09 53 00 – Acoustical Suspension.
- .3      Section 10 28 10 – Toilet Accessories.

**1.2            REFERENCES**

- .1      ASTM International
  - .1      ASTM A167-99 (2009), Standard Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.
- .2      Canadian Standards Association (CSA International)
  - .1      CAN/CSA-B651-F04 (C2010), Accessible Design for the Built Environment.
- .3      National Electrical Manufacturers Association (NEMA)
  - .1      NEMA LD 3-2000, High-Pressure Decorative Laminates.

**1.3            ACTION AND INFORMATIONAL SUBMITTALS**

- .1      Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2      Product Data:
  - .1      Provide instructions necessary for maintenance of laminated plastic for incorporation in maintenance manual in accordance with general instructions.
- .1      Shop Drawings:
  - .1      Submit duplicate 300 x 300 mm samples of panel showing finished edges. Submit 100 x 100 mm of special laminated plastic for faces.
  - .2      Submit duplicate representative samples of each hardware item, including brackets, fastenings and trim.

**1.4            SHOP DRAWINGS**

- .1      Submit shop drawings of all prefabricated laminated plastic partitions indicated on drawings, according to general instructions..
- .2      Indicate fabrication details, plans, elevations, hardware, and installation details.
- .3      Coordinate partition shop drawings with those of ceiling suspension systems prepared in Section 05 50 00 – Metal Fabrications.

**1.5            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 Protect plastic laminate surfaces during delivery and installation with protective film to be removed only after inspection.
- .4 Packaging Waste Management: remove for reuse and return by manufacturer of pallets, crates, padding, packaging materials as specified in Construction Waste Management Plan in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.

## **1.6 CLOSEOUT SUBMITTALS**

- .1 Submit instructions necessary for maintenance of plastic laminate surfaces and incorporate in manual in accordance with Section 01 78 00 - Closeout Submittals.

## **1.7 WARRANTY**

- .1 Provide written signed warranty in Departmental Representative's name certifying that plastic laminate partitions installed under this Section will remain free of material, manufacturing and installation defects for a period of five (5) as of the provisional acceptance of the Work.

## **1.8 ACCEPTABLE PRODUCTS AND MATERIALS**

- .1 Where a particular brand name is stipulated, see Instructions to Bidders for procedure for requesting approval of substitute materials and products

## **Partie 2 Products**

### **2.1 MATERIALS**

- .1 Solid plastic ceiling hung partitions for washrooms 201-15, 201-16, 301-04, 301-05, 402-08, 402-09, anchored to floor for washroom S100-28 only.
- .2 Laminate sheets: to NEMA LD 3-2000.
  - .1 Quality: general purpose.
  - .2 Type: VGS.
  - .3 Thickness: 0.7 mm.
- .3 Solid core: to NEMA LD 3-2000, phenolic core, resistant to solvents, most reactants and cleaning products, self-supporting, sanded undersides.
  - .1 Self-supporting.
  - .2 Thickness: 12.7 and 19 mm.
  - .3 Black: uniform black coats.
- .4 Laminated adhesive: manufacturer's standards.
- .5 Stainless steel sheet metal: to ASTM A167, Type 304, with No. 4 finish.

- .6 Pilaster shoe: 0.8 mm stainless steel, 75 mm high.
- .7 Attachment: stainless steel tamper proof type screws and bolts.

## **2.2 COMPONENTS**

- .1 Hinges:
  - .1 Heavy duty, non-lubricating, nylon bushings.
  - .2 Material/finish: stainless steel casting.
  - .3 Swing: inward (except handicapped stall).
  - .4 Return movement: gravity.
  - .5 Adjustable door-open angle.
  - .6 Emergency access feature.
- .2 Latch set: surface mounted, combination latch, door-stop, keeper and bumper, stainless steel, and 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: Barrier-free type suited for outswinging doors, stainless steel.

## **2.3 FABRICATION**

- .1 Doors and panels: 19 mm thick, solid plastic laminate panels, to sizes indicated.
- .2 Other panels: same construction as doors and panels, solid plastic laminate core 12.7 mm and sizes indicated.
- .3 Finish edges doors, partitions and panels with black mitre edges.

## **2.4 SUPPORTS**

- .1 Supports for ceiling hung partitions in accordance with Section 05 50 00 – Metalwork.

## **Partie 3 Execution**

### **3.1 EXAMINATION**

- .1 Verification of Conditions: verify conditions of substrates previously installed under other Sections or Contracts are acceptable for coiling counter doors 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.
  - .3 Proceed with installation only after unacceptable conditions have been remedied and after receipt of written approval to proceed from Departmental Representative.

### 3.2 INSTALLATION

- .1 Ensure ceiling hung suspension systems are secure and located in required locations prior to commencement of Work. Notify Architect in writing of any defect affecting installation of prefabricated partitions and install after corrective measures have been taken.
- .2 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 described in this section made integral with pilaster. Conceal ceiling 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. Adjust and align hardware for proper function. Set door open position at 30 degrees to front.
  - .8 Equip outswinging doors with door pulls on inside of door in accordance with CSA-B651.
  - .9 Install hardware.
- .3 Ceiling hung partitions erection:
  - .1 Secure pilasters to supporting structural framing using pilaster hangers.
  - .2 Ensure pilaster hangers do not transmit load to finished ceiling.
  - .3 Secure pilaster shoe in position.
  - .4 Set bottoms of doors level with bottom of pilasters when doors are in closed position.

### 3.3 CLEANING

- .1 In progress cleaning: Proceed 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.
- .2 Waste Management: separate waste materials for reuse/recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.
  - .1 Remove recycling containers and bins from site and dispose of materials at appropriate facility.

**3.4 PROTECTION**

- .1 Protect installed products and components from damage during construction.
- .2 Repair damage to adjacent materials caused by coil counter door installation.

**END OF SECTION**