
Partie 1 General

1.1 RELATED REQUIREMENTS

- .1 Section 03 30 00 – Poured in Place Concrete.
- .2 Section 05 50 00 – Metal Fabrications.
- .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 ASTM A 240 - Standard Specification for Chromium and Chromium-Nickel Stainless Steel Plate, Sheet, and Strip for Pressure Vessels and for General Applications.
 - .3 ASTM A 666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.
 - .4 ASTM A 743/A 743M - Standard Specification for Castings, Iron-Chromium, Iron-Chromium-Nickel, Corrosion Resistant, for General Application.
 - .5 ASTM B 86 - Standard Specification for Zinc and Zinc-Aluminum (ZA) Alloy Foundry and Die Castings.
 - .6 ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials.
- .2 CSA International
 - .1 CSA B651-12, Accessible Design for the Built Environment.

1.3 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Samples:
 - .1 Submit duplicate 300 x 300 mm samples of panel showing finished edge and corner construction and core construction.
 - .2 Submit duplicate representative samples of hardware items, including brackets, fastenings and trim.

1.4 SHOP DRAWINGS

- .1 Submit shop drawings of metal partitions indicated on drawings, according to general prescriptions.
- .2 Drawings must indicate fabrication details, plans, levels, hardware details and installation details.

- .3 Coordinate shop drawings of partitions with floor anchor systems prepared under 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 Metal panel separator partitions, anchored to floor, maximum intimacy type, for washrooms S100-03, S100-04, 100-09, 100-10, 5WL textured finish. Refer to elevations for dimensions.
 - .1 Metal toilet partitions: 25 mm thickness, stainless steel, 22 gauge.
 - .2 Doors: 25 mm thickness, stainless steel, 22 gauge 22.
 - .3 Supports: 32 mm thick, stainless steel, 22 gauge. 12 gauge adjustment bar, welded to face.
 - .4 Hardware: heavy duty, chrome finish.

- .5 Pilaster shoe: 0.8 mm stainless steel, 100 mm high.
- .6 Attachment: stainless steel tamperproof type screws and bolts.
- .2 Metal panel urinal screens, anchored to wall, for washrooms S100-04 and 100-10, 5WL textured finish. Refer to elevations for dimensions. Provide chrome wall supports.
 - .1 Partitions: 25 mm thickness, stainless steel 22 gauge.
 - .2 Hardware: heavy duty, chrome finish.
 - .3 Attachment: stainless steel tamperproof type screws and bolts.

2.2 COMPONENTS

Toilet separator partitions

- .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: two sheet metal, heavy duty humidity resistant honeycomb core, dimensions as indicated.
- .2 Panel edges: designed to fit to seal, to prevent formation of mould. Corners welded..
- .3 Vertical supports: particule panel core depending on required finish.

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 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.
 - .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 30 degrees to front.
 - .7 Equip outswinging doors with door pulls on inside of door in accordance with CSA-B651.
 - .8 Install hardware.
- .2 Urinal screen 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.

3.3 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.
- .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 metal toilet compartment installation.

END OF SECTION