Part 1 General

1.1 ACTION AND INFORMATIONAL SUBMITTALS

.1 Submit submittals in accordance with Section 01 33 00.

.2 Submit shop drawings, catalogue sheets and full size templates.

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

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

.5 Submit duplicate representative sample of each type sign and mounting method.

Part 2 Products

2.3 EXTERIOR SIGNAGE

.1 Cut aluminum, natural or enamel finish (eggshell, matte or other glare-free finish), pin mounted to/through metal fascia band. Sign graphics to be well defined, arranged for balanced appearance, and properly word and letter spaced.

.2 Materials: type, thickness (minimum 6-mm), size and finish to approved shop drawings and samples.

.3 Letters and numbers on signs to:

.1 Be sans serif

.2 Have Arabic numbers

.3 Have a width-to-height ratio between 3:5 and 1:1; and have a stroke-width-to-height ratio between 1:5 and 1:10.

.4 Character height 300-mm, unless larger dimension required for viewing distance to comply with Table 4.4.7 City of Winnipeg.

.5 Acceptable manufacturer:

.1 Henry Avenue Forge

.2 Insign Architectural Signage

2.4 FABRICATION

.1 Fabricate signs in accordance with details, specifications and approved 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. Touch up any damaged finishes.

3.3 SCHEDULE

.1 Provide exterior name as indicated. Refer to elevations for exterior signage

END OF SECTION

Part 1 General

1.1 ACTION AND INFORMATIONAL SUBMITTALS

.1 Submit submittals in accordance with Section 01 33 00.

.2 Submit shop drawings, catalogue sheets and full size templates.

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

.4 Submit full size 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.

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

Part 2 Products

2.1 DESIGN REQUIREMENTS

.1 Letters and numbers on signs to be:

.1 Sans serif

.2 Have Arabic numbers;

.3 Have a width-to-height ratio between 3:5 and 1:1; and have a stroke-width-to-height ratio between 1:5 and 1:10.

.2 Character height dimensions for viewing distance to comply with Table 4.4.7 City of Winnipeg.

.3 Characters, symbols and backgrounds of signs to have an eggshell, matte or other glare-free finish.

.4 Characters and symbols shall contrast with their background: either light characters on a dark background or dark characters on a light background.

.5 Where signs are required to be tactile, letters and numerals to be:

.1 Raised at least 0.8 mm (1/32 in.), not sharply edged

.2 Be between 16 mm (5/8 in.) and 50 mm (2 in.) high; and be sans serif*, accompanied by Grade 2 Braille.

.6 Pictograms shall be accompanied by an equivalent visual and tactile verbal description, placed directly below the pictogram. The border dimension of the pictogram shall be 150 mm (6 in.) minimum in height.

2.2 MATERIALS

.1 Interior signage: to match existing.

2.3 SIGN GRAPHICS

.1 Sign graphics to be well defined, arranged for balanced appearance, and properly word and letter spaced.

.2 Sign graphics to match existing...

2.4 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 Where permanent identification is provided for rooms and spaces, signs to be installed on the wall adjacent to the latch side of the door, located with their centre line at a height between 1475 mm (58 in.) and 1525 mm (60 in.). Where there is no wall space to the latch side of the door, including at double-leaf doors, signs shall be placed on the nearest adjacent wall, in a location that is easy to reach and touch.

3.2 CLEANING

.1 Leave signs clean. Remove debris from interior of sign boxes.

.2 Touch up any damaged finishes.

3.3 SCHEDULE

.1 Provide a sign for each interior space with the following:

Room #/ Name	Location	Sign to Read:	Notes
102 Gymnasium	West Wall	102	
(D-102A)	Adj. to Door	Gymnasium	
102 Gymnasium	Wall, Latch Side	104	
(D-102B)		Vestibule	
102 Gymnasium	Door	Notice: This Door is for	
(D-102C)		Emergency Use Only	
102 Gymnasium	Door	Notice: This Door is for	
(D-102D)		Emergency Use Only	
105 Change Room	Wall, Latch Side	105	
		Change Room	
106 Change Room	Wall, Latch Side	106	
		Change Room	
107 Change Room	Wall, Latch Side	107	
		Change Room	
108 Change Room	Wall, Latch Side	108	
		Change Room	
110 Referee's Room	Wall, Latch Side	110	
		Referee	
112 Male Washroom	South West Wall	112	
		.1 Barrier Free	
		.2 Men's Washroom	
114 Bar	Wall, Latch Side	114	**1**
	Right Leaf	Bar	
115 Storage	Wall, Hinge Side	115	
	Left Leaf	Storage	
116 Meeting Room	Wall, Latch Side	116	**1**
		Meeting Room	
117 Female Washroom	North West Wall	117	
		.1 Barrier Free	
		.2 Women's Washroom	
118 Facility Manager	Wall, Latch Side	118	

		Facility Manager	
119 Canteen	Wall, Latch Side	119	**1**
		Canteen	
120 Storage	Wall, Hinge Side	120	
	Left Leaf	Storage	
134 Janitor Room	Wall, Latch Side	134	
		Custodian	
136 Mech./Elec. Room	Wall, Latch Side	136	
		Mechanical & Electrical	
140 Family Washroom	Wall, Latch Side	140	
	Of EX-141	.1 Barrier Free	
		.2 Family Washroom	
140 Family Washroom	Door	140	
		.1 Barrier Free	
		.2 Family Washroom	
Stair	Door	.1 Stairs	
(D-ST4B)		.2 Stair Graphics	
202 Mechanical Room	Wall, Latch Side	Danger: Mechanical	
(D-202A)		No Unauthorized Access	
202 Mechanical Room	Door	Danger: Open to Below	
(D-202B)			
202 Mechanical Room	Door	Caution: Watch Your	
(D-202C)			
203 Audio/Video Room	West Wall,	203	
	Adj. to Latch	Audio/Video Room	

NOTES:

1. Turn sign over to owner for future use.

END OF SECTION

Part 1 General

1.1 MANUFACTURER

.1 All compartments of a single manufacturer.

1.2 ACTION AND INFORMATIONAL SUBMITTALS

.1 Submit submittals in accordance with Section 01 33 00.

.2 Submit Shop drawings: Indicate fabrication details, plans, elevations, hardware, anchorage and installation details.

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

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

.5 Provide maintenance data for panels, trim and hardware for incorporation into manual.

1.3 STORAGE AND PROTECTION

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

.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 Shower compartments floor anchored, overhead braced.

2.2 COMPONENTS / MATERIALS

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

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

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

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

.5 Headrail: 32 mm by 44 mm extruded anodized aluminum with anti-grip design. Wall thickness to be 1.5 mm 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: 3 mm 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 25 mm 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.

.1 Barrier Free: Second coat hook to Section 10 28 10.

.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 102 mm high solid plastic pilaster shoe.

.7 Acceptable materials:

.1 Comtec series S200

.2 Capitol Partitions Poly-Pro P3 - Congress Basic

.3 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.

Part 3 Execution

3.1 INSTALLATION

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

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.

.1 Barrier Free: install coat hook on wall in accordance with CAN/CSA-B651.

.7 Equip out-swinging 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.

.3 City of Winnipeg Accessibility Design Standards.

.1 Section 4.2 Washroom Facilities

1.2 SHOP DRAWINGS

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

.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.

.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.

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 33 00.

.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 Grab bars: 32 mm dia x 1.2 mm wall tubing of stainless steel, with stainless steel snap flanges, lengths as indicated on drawings.

.1 Acceptable materials:

.1 Bobrick B-5806

.2 ASI 3701

.3 Frost 100-S

.2 Clothes hook: 12 gauge stainless steel bracket, 2.7 mm with 7 gauge stainless steel hook, 4.5mm, satin finish.

.1 Acceptable materials:

.1 Bobrick B-981

.2 Bradley SA37

.3 Frost 1150

.3 Sanitary napkin disposal bin: surface mounted .76 mm stainless steel type 304.

.1 Acceptable materials:

.1 Bobrick B-270

.2 ASI 0852

.3 Frost 622

.4 Waste receptacle:

.1 Acceptable materials:

.1 Bobrick B-2400

.2 Bradley 377-38

.3 Frost 310-S

.5 Mirror: One piece stainless steel frame, 90° mitred corners. 6 mm tempered glass. Vandal resistant concealed mounting screws, 915 x 1525.

.1 Acceptable materials:

.1 Bobrick B-165 6036

.2 ASI 0620

.3 Frost 941

.6 Mirror: One piece stainless steel frame, 90° mitred corners. 6 mm tempered glass. Vandal resistant concealed mounting screws, 915 x 1220.

.1 Acceptable materials:

.1 Bobrick B-165 4836

.2 ASI 0620

.3 Frost 941

.7 Change table: fold-down, baby change station, wall mounted.

.1 Acceptable materials:

.1 Koala KB100-00;

.2 Diaper Deck

.3 Brocar Diaper Changing Station.

2.3 COMPONENTS SUPPLIED BY OWNER FOR INSTALLATION BY CONTRACTOR

.1 Paper towel dispensers:

.1 PTD-1 Merfin no 1003

.2 PTD-2 Merfin no 1080A

.2 Toilet paper dispensers:

.1 TPD-1 Merfin no 2200

.2 TPD-2 Merfin no 2500

.3 Soap dispensers: TBD

2.4 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.

2.5 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 components, owner supplied components 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.
- .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.

.5 Install electric adjustable change table to manufacturer's written instructions.

3.2 SCHEDULE

.1 Locate accessories as listed including owner supplied as indicated. Exact locations determined by Contract Administrator.

END OF SECTION