

Part 1 General

1.1 REFERENCES

- .1 Aluminum Association, Inc. (AAI)
 - .1 AAI DAF45-03, Designation System for Aluminum Finishes.
- .2 ASTM International Inc.
 - .1 ASTM A653/A653M-07, Standard Specification for Steel Sheet, Zinc-Coated, (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
 - .2 ASTM B32-04, Standard Specification for Solder Metal.
 - .3 ASTM B456-03, Standard Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium.
- .3 Canadian General Standards Board (CGSB)
 - .1 CAN/CGSB-1.81-M90, Air Drying and Baking Alkyd Primer for Vehicles and Equipment.
 - .2 CAN/CGSB-1.88-92, Gloss Alkyd Enamel, Air Drying and Baking.
 - .3 CGSB 31-GP-107Ma-90, Non-Inhibited Phosphoric Acid Base Metal Conditioner and Rust Remover.
 - .4 CGSB 41-GP-6M-1983, Sheets, Thermosetting Polyester Plastics, Glass Fibre Reinforced. Reaffirmation of September 1976.
- .4 Canadian Standards Association (CSA International)
 - .1 CAN/CSA-G164-M92(R2003), Hot Dip Galvanizing of Irregularly Shaped Articles.
 - .2 CSA W47.2-M1987(R2008), Certification of Companies for Fusion Welding of Aluminum.
 - .3 CSA W59-03, Welded Steel Construction (Metal Arc Welding).
 - .4 CSA W59.2-M1991(R2003), Welded Aluminum Construction.
- .5 Canadian Sheet Steel Building Institute (CSSBI)
 - .1 CSSBI SSF 6-1995, Sheet Steel Facts #6, Metallic Coated Sheet Steel for Structural Building Products-July 1995.
- .6 Green Seal Environmental Standards
 - .1 Standard GS-11-2008, 2nd Edition, Paints and Coatings.
 - .2 Standard GS-36-00, Commercial Adhesives.
- .7 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
 - .1 Material Safety Data Sheets (MSDS).
- .8 South Coast Air Quality Management District (SCAQMD), California State
 - .1 SCAQMD Rule #1113-A2007, Architectural Coatings.
 - .2 SCAQMD Rule #1168-A2005, Adhesive and Sealant Applications.

- .9 The Master Painters Institute (MPI)
 - .1 Architectural Painting Specification Manual - February 2004.
 - .1 MPI #76, Quick Dry Alkyd Metal Primer.
 - .2 MPI #96, Quick Dry Enamel Gloss.

1.2 ADMINISTRATIVE REQUIREMENTS

- .1 Pre-Installation Meetings: convene pre-installation meeting one week prior to beginning Work of this Section:
 - .1 Verify project requirements.
 - .2 Review installation and substrate conditions.
 - .3 Co-ordination with other building subtrades.
 - .4 Review manufacturer's installation instructions and warranty requirements.

1.3 ACTION SUBMITTALS

- .1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Shop Drawings:
 - .1 Shop drawings: submit drawings stamped and signed by professional engineer registered or licensed in the Province of Manitoba, Canada.
 - .2 Submit shop drawings and catalogue sheets.
 - .3 Indicate materials, thicknesses, sizes, finishes, colours, construction details, removable and interchangeable components, mounting methods, schedule of signs.
 - .4 Submit drawn-to-scale details for individually fabricated or incised lettering indicating word and letter spacing.
- .3 Samples:
 - .1 Submit duplicate representative sample of each type sign, sign image and mounting method including, but not limited to: graphics, cast letters, sign box installation method, channel letters, and wall plates fixed mounting installation method.

1.4 INFORMATIONAL SUBMITTALS

- .1 Product Data:
 - .1 Submit manufacturer's printed product literature panel signage or components, specifications and datasheet and include product characteristics, performance criteria, physical size, finish and limitations.
- .2 Manufacturer's Instructions: submit manufacturer's installation instructions and special handling criteria, installation sequence, and cleaning procedures.
- .3 Manufacturer's Reports:
 - .1 Manufacturer's Field Reports: submit manufacturer's written reports within 3 days of review, verifying compliance of Work, as described in PART 3, FIELD QUALITY CONTROL.

1.5 QUALITY ASSURANCE

- .1 Welding Certification in accordance with CSA W47.2.

1.6 DELIVERY, STORAGE AND HANDLING

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

Part 2 Products

2.1 MATERIALS

- .1 Sheet aluminum: anodizing quality.
- .2 Welding materials: to CSA W59.
- .3 Solder: to ASTM B32, Type Sn50.

2.2 SIGN GRAPHICS

- .1 Sign graphics: well defined, arranged for balanced appearance, and properly word and letter spaced.
- .2 Engraving: apply sign images using pantograph mechanical engraving machine to obtain incised paint-filled letters as detailed or specified.

2.3 EXTERIOR SIGNAGE LETTERS

- .1 Signage to read: WESTON MEMORIAL COMMUNITY CENTRE
 - .1 Confirm lettering and spelling with Contract Administrator.
- .2 Cut letters from aluminum sheet.
 - .1 Thickness: 4mm
 - .2 Height: 305mm
- .3 Helvetica typeface, upper case:
 - .1 Make corners square cut.
 - .2 Confirm font and letter arrangement with Contract Administrator.
- .4 Black Anodized finish: to designation AA M10 C12 C22 A44 with film thickness of 7mils.
 - .1 Maximum VOC limit 50 g/L to Standard GS-11 and SCAQMD Rule #1113.
- .5 Fastening:
 - .1 Provide 50mm deep aluminum attachment extrusions for each letter.
 - .1 Mount in inconspicuous locations behind letter.
 - .2 Minimum two per letter, evenly spaced at top and bottom of letter.
 - .3 Colour: Black.
 - .2 Fasten letters through extrusions into pressure treated 38mm horizontal wood strapping behind metal cladding.
 - .1 Horizontal strapping to be fastened into wall at each stud location.

.2 Punch neat openings in metal cladding to size required for accommodation of attachment extrusions.

.3 Wrap wall air barrier over strapping and seal at penetrations.

2.4 WALL MOUNTED PLATES

.1 Fabricate sign faces of clear anodized aluminum.

.1 Size 150 x 150 x 3mm thick.

.2 Sign graphics: apply by engraving.

.3 Fixed mounting:

.1 Prepare wall plates for fixing by concealed tamperproof clips to meet Contract Administrator's approval.

.2 Include back-up plates for fixing to uneven surfaces where required.

.4 Washroom pictographs: cut-out figures without backgrounds.

.5 Signage:

.1 Men's washroom symbol for main men's washrooms.

.2 Women's washroom symbol for main women's washrooms.

.3 Family washroom symbol for two main floor family washrooms.

2.5 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 Fit and securely join sections to obtain tight, closed joints.

.4 Allow for thermal movement without distortion of components.

.5 Exposed inconspicuous fasteners of same finish and colour as base material permitted where approved by Contract Administrator.

.6 Polish exposed edges of metal to smooth, slightly convex profile.

.7 Do steel welding to CSA W59 and aluminum welding to CSA W59.2.

.1 Finish exposed welds flush and smooth.

.8 Apply bituminous paint to aluminum in contact with dissimilar metals, concrete or masonry.

.9 Manufacturer's nameplates on sign surface permitted in non visible locations in completed Work.

2.6 FINISHES

.1 Anodized aluminum:

.1 Clear finish: to designation AA M32 C12 C22 A41 in uncoloured anodized finish with film thickness of 0.7 mils.

.1 Maximum VOC limit 50 g/L to Standard GS-11 to SCAQMD Rule #1113.

Part 3 Execution

3.1 INSTALLATION

- .1 Manufacturer's Instructions: compliance: comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and data sheets.
- .2 Erect and secure signs plumb and level at elevations indicated.
- .3 Comply with sign manufacturer's installation instructions and approved shop drawings.
- .4 Mechanical attachment:
 - .1 To concrete or solid masonry: use lag screws and expansion bolts or screws and fibre plugs, as appropriate for stresses involved.
 - .2 To hollow masonry: use toggle bolts or equivalent.
 - .3 To steel: use bolts with nut and lock washers, self-tapping screws.
 - .1 Do steel welding to CSA W59 and aluminum welding to CSA W59.2.
 - .2 Finish exposed welds flush and smooth.
 - .4 To wood: use screws.
 - .5 Secure into framing members behind stud walls or above ceilings.
 - .6 Mechanical fasteners on exterior: non-staining, non-ferrous type.
 - .7 Fabricate special fasteners as required for installation conditions.
 - .8 Mechanical fasteners and methods of attachment subject to Contract Administrator's approval.
 - .1 Obtain Contract Administrator's approval before fixing to structural steel.

3.2 CLEANING

- .1 Proceed in accordance with Section 01 74 11 - Cleaning.
 - .1 On completion and verification of performance of installation, remove surplus materials, excess materials, rubbish, tools and equipment.
 - .2 Leave signs clean.
 - .3 Remove debris from interior of sign boxes.
 - .4 Touch up damaged finishes.

END OF SECTION

Part 1 General

1.1 REFERENCES

- .1 American Society for Testing and Materials International (ASTM)
 - .1 ASTM A167-2004, Standard Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.
- .2 Canadian General Standards Board (CGSB)
 - .1 CAN/CGSB-71.20-M88, Adhesive, Contact, Brushable.
- .3 Canadian Standards Association (CSA International)
 - .1 CSA-B651-04, Accessible Design for the Built Environment.
- .4 Forest Stewardship Council (FSC)
 - .1 FSC-STD-01-001-2004, FSC Principle and Criteria for Forest Stewardship.
 - .2 FSC-STD-20-002-2004, Structure and Content of Forest Stewardship Standards V2-1.
 - .3 FSC Accredited Certification Bodies.
- .5 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
 - .1 Material Safety Data Sheets (MSDS).
- .6 South Coast Air Quality Management District (SCAQMD), California State
 - .1 SCAQMD Rule 1168-05, Adhesives and Sealants Applications.

1.2 GENERAL

- .1 Plastic compartment Work includes the following, where indicated:
 - .1 Floor-mounted overhead braced compartments.
- .2 Furnish all labour and materials necessary for the completion of Work in this section as shown on the contract drawings and specified herein.
- .3 Work in this section shall include, but is not limited to:
 - .1 Toilet compartments, compartment doors, urinal screens, privacy screens and entry partitions.
 - .2 Hardware for toilet compartments and plastic partitions.
 - .3 Shop drawings and working drawings.
 - .4 Manufacturer's guarantee.

1.3 PERFORMANCE REQUIREMENTS:

- .1 A. Fire Resistance: Partition materials shall comply with the following requirements, when tested in accordance with the ASTM E 84: Standard Test Method for Surface
- .2 Burning Characteristics of Building Materials:

- .1 Smoke Developed Index: Not to exceed 450
- .2 Flame Spread Index: Not to exceed 75
- .3 Material Fire Ratings:
 - .1 National Fire Protection Association (NFPA): Class B
 - .2 International Code Council (ICC): Class B

1.4 SUBMITTALS

- .1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
 - .1 Submit manufacturer's printed product literature for toilet partitions or components, specifications and datasheet and include product characteristics, performance criteria, physical size, finish and limitations.
- .3 Shop Drawings:
 - .1 Shop drawings: submit drawings stamped and signed by professional engineer registered or licensed in Province of Manitoba, Canada.
 - .2 Indicate fabrication details, plans, elevations, hardware, and installation details.
- .4 Quality control submittals: submit following in accordance with Section 01 45 00 - Quality Control.
 - .1 Manufacturer's Instructions: submit manufacturer's installation instructions and special handling criteria, installation sequence, cleaning procedures.
 - .2 Manufacturer's Field Reports: submit manufacturer's written reports within 3 days of review, verifying compliance of Work, as described in PART 3 - FIELD QUALITY CONTROL.
- .5 Closeout Submittals:
 - .1 Provide maintenance data for plastic laminate for incorporation into manual specified in Section 01 78 00 - Closeout Submittals.

1.5 QUALITY ASSURANCE

- .1 Pre-Installation Meetings: convene pre-installation meeting one week prior to beginning Work of this Section and on-site installation.
 - .1 Verify project requirements.
 - .2 Review installation and substrate conditions.
 - .3 Co-ordination with other building subtrades.
 - .4 Review manufacturer's installation instructions and warranty requirements.
- .2 Manufacturer's Qualifications: A company regularly engaged in manufacture of products specified in this section, and whose products have been in satisfactory use under similar service conditions for not less than 5 years.
- .3 Installer's Qualifications: A Company or Individual, regularly engaged in installation of products specified in this Section, with a minimum of 5 years experience.

1.6 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements.
- .2 Protect finished laminated plastic surfaces during shipment and installation. Do not remove until immediately prior to final inspection.

Part 2 Products

2.1 MATERIALS

- .1 Manufacturer:
 - .1 Toilet partitions and screens to be supplied by SCRANTON PRODUCTS (Santana/Comtec/Capitol),Scranton, PA, or approved equal in accordance with B7.
- .2 Materials:
 - .1 Doors, panels and pilasters shall be 1" thick constructed from High Density Polyethylene (HDPE) resins.
 - .2 Core material: To contain 100 % recycled material.
 - .3 Partitions shall be fabricated from polymer resins compounded under high pressure, forming a single component which is waterproof, non-absorbent and has a self-lubricating surface that resists marks from pens, pencils, markers and other writing instruments. All plastic components shall be covered with a protective plastic masking.
- .3 Construction:
 - .1 Doors, panels, and pilasters shall be 1" (25.4mm) thick with all edges rounded to a radius.
 - .2 Doors and dividing panels shall be 55" (1397mm) high and mounted at 14" (356) above the finished floor.
 - .3 Pilasters shall be 82" (2082mm) high (standard) and fastened into a 3" high pilaster shoe with a stainless steel tamper resistant torx head sex bolt.
- .4 Door Hardware:
 - .1 Hinges shall be 8" (203mm) and fabricated from heavy-duty extruded aluminum (6463-T5 alloy) with bright dip anodized finish with wrap-around flanges, through bolted to doors and pilasters with stainless steel, torx head sex bolts.
 - .2 Hinges operate with field adjustable nylon cams. Cams can be field set in 30-degree increments.
 - .3 Door strike/keeper shall be 6" (152mm) long and made of heavy-duty extruded aluminum (6436-T5 alloy) with a bright dip anodized finish and secured to the pilasters with stainless steel tamper resistant torx head sex bolts. Bumper shall be made of extruded black vinyl.

- .4 Latch and housing shall be made of heavy-duty extruded aluminum (6463-T5 alloy). The latch housing shall have a bright dip anodized finish, and the slide bolt and button shall have a black anodized finish.
 - .5 All doors to swing out or as shown on drawings.
 - .6 Each door shall be supplied with one collapsible coat hook/bumper and door pull made of chrome plated zamak. Handicapped doors shall be supplied with a second door pull and out swing doors with one door stop made of chrome plated zamak.
- .5 Mounting: Floor-Mounted Overhead-Braced Solid Plastic Toilet Compartments.
- .1 Pilaster shoes shall be 3" high (76mm) (type 304, 20 gauge) stainless steel. Pilaster shoes shall be secured to the pilaster with a stainless steel tamper resistant torx head sex bolt.
 - .2 Wall brackets shall be 1½" (38mm) stirrup type made of heavy-duty aluminum (6463-T5 alloy) with a bright dip anodized finish. Stirrup brackets shall be fastened to pilasters and panels with stainless steel tamper resistant torx head sex bolts.
 - .3 Headrail shall be made of heavy-duty extruded aluminum (6463-T5 alloy) with anti-grip design and integrated curtain track. The headrail shall have a clear anodized finish and shall be fastened to the headrail bracket by a stainless steel tamper resistant torx head sex bolt, and fastened at the top of the pilaster with stainless steel tamper resistant torx head screws.
 - .4 Headrail brackets shall be 20 gauge stainless steel with a satin finish and secured to the wall with a stainless steel tamper resistant torx head screws.

Part 3 Execution

3.1 MANUFACTURER'S INSTRUCTIONS

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

3.2 INSTALLATION

- .1 Contractor to provide and coordinate location of wood blocking inside mounting walls.
- .2 Contractor to provide and coordinate location of steel attachment angles in ceiling.
- .3 Do Work in accordance with CSA-B651.

3.3 ERECTION

- .1 Install partitions rigid, straight, plumb, and level manor, with plastic laid out as shown on shop drawings and manufacturer's installation instructions.
- .2 All doors and panels to be mounted at 14" above finished floor.
- .3 Clearance at vertical edges of doors shall be uniform top to bottom and shall not exceed 3/8". (10mm)

- .4 No evidence of cutting, drilling, and/or patching shall be visible on the finished Work.
- .5 Finished surfaces shall be cleaned after installation and be left free of all imperfections.

3.4 FIELD QUALITY CONTROL

- .1 Manufacturer's Field Services:
 - .1 Provide manufacturer's field services consisting of product use recommendations and periodic site visits for inspection of product installation in accordance with manufacturer's instructions.

3.5 CLEANING

- .1 Proceed in accordance with Section 01 74 11 - Cleaning.
- .2 On completion and verification of performance of installation, remove surplus materials, excess materials, rubbish, tools and equipment.

END OF SECTION

Part 1 General

1.1 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 B456-03, Standard Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium.
 - .3 ASTM A653/A653M-09, Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
 - .4 ASTM A924/A924M-09, Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process.
- .2 Canadian General Standards Board (CGSB)
 - .1 CAN/CGSB-1.81-M90, Air Drying and Baking Alkyd Primer for Vehicles and Equipment.
 - .2 CAN/CGSB-1.88-92, Gloss Alkyd Enamel, Air Drying and Baking.
 - .3 CGSB 31-GP-107MA-90, Non-inhibited Phosphoric Acid Base Metal Conditioner and Rust Remover.
- .3 CSA International
 - .1 CAN/CSA-B651-04, Accessible Design for the Built Environment.
 - .2 CAN/CSA-G164-M92(R2003), Hot Dip Galvanizing of Irregularly Shaped Articles.

1.2 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Provide submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Product Data:
 - .1 Provide manufacturer's printed product literature and data sheets and include product characteristics, performance criteria, physical size, finish and limitations.
- .3 Shop Drawings:
 - .1 Submit drawings stamped and signed by professional engineer registered or licensed in the Province of Manitoba, Canada.
 - .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.
- .4 Samples:
 - .1 Submit samples in accordance with Section 01 33 00 – Submittal Procedures.
 - .2 Samples will be returned for inclusion into Work.

1.3 CLOSEOUT SUBMITTALS

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

1.4 MAINTENANCE MATERIAL SUBMITTALS

- .1 Tools:
 - .1 Provide special tools required for 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 Consultant.

1.5 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with Section 01 61 00 - Common Product Requirements with manufacturer's written instructions.
- .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 off ground, indoors, in dry location and in accordance with manufacturer's recommendations in clean, dry, well-ventilated area.
 - .2 Store and protect toilet and bathroom accessories from nicks, scratches, and blemishes.
 - .3 Replace defective or damaged materials with new.
- .4 Packaging Waste Management: remove for reuse and return by manufacturer of pallets, crates, padding, packaging materials in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.

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 Sustainability Characteristics:
 - .1 Laminate Adhesives:
 - .1 Urea Formaldehyde Free.
- .4 Stainless steel tubing: Type 302 or 304, commercial grade, seamless welded, 1.2 mm wall thickness.
- .5 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 Toilet tissue dispenser: double roll type, surface mounted, chrome plated steel frame, capacity of 500 double ply roll, roll under spring tension for controlled delivery.
 - .1 Supplied by City of Winnipeg and installed by Contractor.
- .2 Paper towel dispenser: for single roll paper towels, stainless steel cabinet, hinged front panel, refill indicator slot, lock and key, surface mounted.
 - .1 Supplied by City of Winnipeg and installed by Contractor.
- .3 Soap dispenser: liquid, stainless steel piston and valve assembly, tamper proof filler lock, surface/mirror mounted, exposed metal components chrome plated.
 - .1 Supplied by City of Winnipeg and installed by Contractor.
- .4 Feminine napkin disposal bin: stainless steel, surface unit including rough-in frame, continuous hinged door, self closing, embossed with universally accepted symbol, removable plastic receptacles fitted with spring clip for deodorizer block.
 - .1 Acceptable Material: Bobrick B-254 or Bradley 4722-15 or approved equivalent in accordance with B7 Substitutes.
- .5 Hand dryer: listed under re-examination service of ULC and CSA approved.
 - .1 Mounting surface.
 - .2 Wall box: 16 gauge steel.
 - .3 Cover: stainless steel.
 - .4 Motor: universal type, 74.6 kW, 7500 RPM, resilient mounting, sealed, lubricated bearings, fuse protected, 115 V, 15 Amp.
 - .5 Timer: cam operated mechanical type designed to operate hand dryer for not less than 30 seconds field adjustable.
 - .6 Electronic dryer: power controlled by infrared admitting, receiving electronic control device positioned to dryer on when hands are placed under nozzle. Operation to continue for no more than 80 seconds of continued use.
 - .7 Nozzle: stainless steel, fixed.
 - .8 Acceptable Material: Bobrick B-7128 approved equivalent in accordance with B7 Substitutes.
- .6 Grab bars: 38 mm 1.6mm wall tubing of stainless steel, 76 mm diameter wall flanges, concealed screw attachment, flanges welded to tubular bar, provided with steel back plates and all accessories. Knurl bar at area of hand grips. Grab bar material and anchorage to withstand downward pull of 2.2 kN. Sizes as indicated on the drawings 610mm, 762mm and 914mm and 762 x 762 L shaped grab bar.
 - .1 Acceptable Material: Bobrick B-5806 or Bradley 812-2 series (057 L shape) or approved equivalent in accordance with B7 Substitutes.
- .7 Waste receptacle:
 - .1 Supplied by City of Winnipeg and installed by Contractor.
- .8 Hand Sanitizer Dispenser:

- .1 Supplied by City of Winnipeg and installed by Contractor.
- .9 Mirror wall mounted above sink: 457 x 864 mm 6 mm tempered mirror glass.
 - .1 Schedule:
 - .1 Washroom M13.
 - .2 Universal Washroom M30.
- .10 Full Length Mirror: 762 x 1372 mm 6 mm tempered mirror glass.
- .11 Shelf surface mounted, 125 deep, 457 wide, stainless steel.
 - .1 Acceptable Material: Bobrick B-295 or Bradley model 755 or approved equivalent in accordance with B7 Substitutes.
- .12 Collapsible Clothes Hook: 12 gauge, type 304 stainless steel bracket with 7 gauge stainless steel hook. Hook pivots down for safety if excessively loaded.
 - .1 Acceptable Material: Bobrick B-983 or Bradley model SA36 or approved equivalent in accordance with B7 Substitutes.
- .13 Diaper changing station: surface mounted wall unit, stainless steel exterior with polyethylene insert, moulded-in steel-on-steel hinge assembly, moulded-in integral support mechanism, security lock, tamper resistant hardware, steel backer plate, diaper bag hook, safety belt, safety instructions in both official languages, graphic illustration, labeled with universally accepted symbol "changing station". Installed to manufacturer's Barrier Free recommended mounting heights.
 - .1 Acceptable Material: KB110-SSWM or Bradley Model 962 – 11 or approved equivalent in accordance with B7 Substitutes.

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 CAN/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 Chrome and nickel plating: to ASTM B456, satin finish.
- .2 Baked enamel: condition metal by applying one coat of metal conditioner to CGSB 31-GP-107Ma, apply one coat Type 2 primer to CAN/CGSB-1.81 and bake, apply two coats Type 2 enamel to CAN/CGSB-1.88 and bake to hard, durable finish. Sand between final coats. Colour selected from standard range by Consultant.
- .3 Manufacturer's or brand names on face of units not acceptable.

Part 3 Execution

3.1 EXAMINATION

- .1 Verification of Conditions: verify that conditions of substrates and surfaces to receive toilet and bathroom accessories previously installed under other Sections or Contracts are acceptable for product installation in accordance with manufacturer's instructions prior to toilet and bathroom accessories installation.
- .2 Inform Consultant of unacceptable conditions immediately upon discovery.
- .3 Proceed with installation only after unacceptable conditions have been remedied [and after receipt of written approval from Consultant.

3.2 INSTALLATION

- .1 Install and secure accessories rigidly in place as follows:
 - .1 Stud walls: install steel back-plate to stud prior to drywall finish. Provide plate with threaded studs or plugs.
 - .2 Hollow masonry units, existing plaster or drywall: use toggle bolts drilled into cell or wall cavity.
 - .3 Solid masonry, marble, stone or concrete: use bolt with lead expansion sleeve set into drilled hole.
 - .4 Toilet compartments: use male to 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 mirrors in accordance with Section 08 80 50 - Glazing.

3.3 ADJUSTING

- .1 Adjust toilet and bathroom accessories components and systems for correct function and operation in accordance with manufacturer's written instructions.
- .2 Lubricate moving parts to operate smoothly and fit accurately.

3.4 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.
- .3 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.

3.5 PROTECTION

- .1 Protect installed products and components from damage during construction.
- .2 Repair damage to adjacent materials caused by toilet and bathroom accessories installation.

3.6 SCHEDULE

- .1 Locate accessories where indicated or as follows. Exact locations determined by Consultant.
- .2 Toilet tissue dispenser: one in each toilet compartment mounting height 700 mm above finished floor.
- .3 Paper towel dispenser: one in each washroom. Maximum height of dispenser and operable part from floor 1200 mm.
- .4 Soap dispenser: one per two washbasins.
- .5 Feminine napkin disposal bin: one in each female toilet compartment in washroom M14 and one in each washroom M13 and M30, mounting height 500 mm above finished floor.
- .6 Hand dryer: one in each washroom. Maximum height of dispenser and operable part from floor 1200 mm.
- .7 Grab bar: three in each handicapped toilet compartment. Mount grab bars as indicated on drawings. L-shaped grab bar as shown on drawings for full sized change bench.
- .8 Waste receptacle: one for each towel dispensers, adjacent to wash basin area.
- .9 Hand Sanitizer Dispenser: one for each washroom, locate as per City of Winnipeg Instructions.
- .10 Full-length mirror mounted 460mm off finished floor where indicated on the drawings.
- .11 Shelf: one in each washroom M13 and M30, mounting height from floor 975 mm as indicated on the drawings.
- .12 Collapsible clothes hooks: One in each washroom M13 and M30 mounted 1200 from finished floor where indicated on the drawings. One in each washroom stall for Women's M14 and Men's M11.
- .13 Diaper changing station: one in each washroom M11, M13 and M14, mounting heights as per manufacturer's recommendation for Barrier Free Design.
- .14 Full-sized change bench: one in washroom M30 mounting heights as per drawings. See drawings for details.

Weston Memorial Community Centre
Renovation Project
1625 Logan Ave, Winnipeg, MB.
Project # 824-2014

**TOILET AND
BATH ACCESSORIES**

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END OF SECTION

Part 1 General

1.1 RELATED SECTIONS

- .1 Section 06 10 00 - Rough Carpentry.

1.2 BIDDING

- .1 Bidders may submit tenders to the Contractor for any one or any combination of items specified.

1.3 SUBMITTALS FOR REVIEW

- .1 Section 01 33 00: Submittal Procedures.
- .2 Product Data: Provide data for components.
- .3 Shop Drawings: Indicate locations, construction and anchorage details, dimensions, rough-in openings sizes, quantity and arrangement of box sizes.

1.4 REGULATORY REQUIREMENTS

- .1 All items supplied are to be CSA approved.

Part 2 Products

2.1 STAINLESS STEEL CORNER GUARDS

- .1 Acceptable Product: Bobrick 18-8 S. type 304, 18 ga. (1.2mm) stainless steel with satin finish or approved equal in accordance with B7.
- .2 90mm plate either side of outer gypsum corners, height 1800mm.
- .3 No sharp corners. Exposed edges and corners rounded to 3mm.
- .4 Mechanically fastened with flat head stainless screws at 300mm O.C.
 - .1 Holes to be predrilled.

2.2 RUBBER PAVER MAT

- .1 Location: roof top, as required by mechanical for new equipment support stand.
- .2 Size: 610mm x 610mm x 52mm thick
- .3 UV stabilized recycled pre-polymer bound rubber.

Part 3 Execution

3.1 INSTALLATION

- .1 Install to manufacturer's written instructions.

3.2 SCHEDULE

- .1 Install stainless steel corner guards on all exterior corners of new interior painted gypsum walls.

END OF SECTION