Part 1 GENERAL

1.1 General Requirements

1. Division One, General Requirements, is part of this section and shall apply as if repeated here.

1.2 Shop Drawings

1. Submit Shop Drawings in accordance with Section 01 33 00.

1.3 Related Work Specified Elsewhere

1. Concrete - Section 03 30 00, 03 39 00, 03 11 00
2. Masonry Units – Section 04 04 25
3. Finish Hardware - Section 08 71 00
4. Carpentry and Millwork - Section 06 41 00
5. Mechanical – Section 20 - 23
6. Electrical – Section 26 - 28
7. Painting and Finishing - Section 09 91 00
8. Ceramic & Porcelain Tile - Section 09 30 00
9. Resilient Flooring - Section 09 65 00

1.4 Shop Drawings

1. Submit shop drawings or catalogue illustrations as required by the Consultant.

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 anchors for grab bars.

1.5 Submittals

1. Submit a washroom accessories schedule indicating all accessories to be provided on a room-by-room basis, indicating quantity, model number, finish and manufacturer to the Consultant for approval. Do not order material unit approval is obtained from the Consultant.

1.6 Delivery, Storage and Handling

1. Package accessories and label with description of contents and installation location. Each accessory to be individually wrapped complete with all fixings as required.

2. Deliver accessories where designated at Site by Contractor.

1.7 Maintenance and Operating Instructions

1. Provide for inclusion in data book, three (3) printed copies of maintenance and operating instructions of all accessories.

1.8 Warranty

1. At no cost to the Owner, replace mirrors should defects in silvering occur within a period of five (5) years from the date of Substantial Performance.

2 PRODUCTS

2.1 Materials

1. Sheet Steel: Commercial grade, stretcher levelled sheet steel to ASTM A526-71 (1975) with G90 zinc coating to ASTM A525-79.

2. Stainless Steel Sheet: To ASTM A666-72 (1979) type 302 with No. 4 finish, minimum 0.9 mm (0.036"/20 gauge).

3. Stainless Steel Tubing: AISI Type 304, commercial grade, seamless welded, 1.2mm (0.047") wall thickness.

4. Fasteners: Screws and bolts hot dip galvanized. Expansion shields fibre, lead or rubber as recommended by fixture manufacturer for component and its intended use.

5. Fasteners: Screws and bolts stainless steel. Expansion shields, lead or rubber as recommended by fixture manufacturer for component and its intended use.

2.2 Finishes

1. Chrome and Nickel Plating: to ASTM B456-79 satin finish.

2. Stainless Steel: to AISI No. 4 satin lustre finish.

3. Baked enamel: condition metal by applying one coat of metal conditioner to CGSB 31-GP-107a, apply one coat Type 2 primer to CGSB 1-GP-81M and bake apply two coats Type 2 enamel to CGSB 1-GP-88e and bake to hard, durable finish. Sand between final coats. Colour selected from standard range by the Consultant.

2.3 Keying

1. All accessories to be keyed alike. Provide six keys.

2.4 Trademarks and Labels

1. Trademarks and labels shall not be visible in the finish exposed surfaces.

2.5 Manufacturer

1. Accessories manufactured by the following are considered equal subject to the approval of the Consultant.

.1 Bobrick Washroom Equipment of Canada Ltd.
.2 Bradley Wash Fountain Co.
.3 Frost products Limited
.4 Watrous Sales Inc.

2.6 Accessories

1. Toilet Tissue Dispenser (TPD): Bobrick B-6999.

2. Sanitary Napkin Disposal: Bobrick B-35139

3. Framed Tilted Mirror: Bobrick B-293 1830 series, Fixed Position Tilt Mirror as shown on drawings. Height to be 760mm, and width 460mm. No.1 quality 6 mm thick mirror; heavy gauge galvanized steel back, stainless steel channel frame; tamper proof mounting.

4. Framed non-tilted Mirror: Bobrick B-290 series, Fixed Position Mirror as shown on drawings. Height to be 760mm, and width 460mm. No.1 quality 6 mm thick mirror; heavy gauge galvanized steel back, stainless steel channel frame; tamper proof mounting.

5. Stainless Steel Shelf: Bobrick B-295 x 14

6. Grab and Towel Bars: 38 mm diameter, stainless steel, peened finish, concealed mounting: Bobrick B-6806 Series straight and B-6898 Series L-shaped as shown on drawings.

   .1 WC for handicapped – 2 bars.

   .2 Shower for handicapped: L-shaped bar, one leg 900 mm and one leg 750 mm.

7. Robe Hook: Bobrick B-76717.

8. Baby Change Table: Koala Kare KB300-01SS Baby Changing Station. Supply wood blocking in wall for baby change table. Refer to drawings for location.

9. Adult Change Table: Pressalt 32" x 72" electrically foldable, Item Number R8595572000, white. Electrically height adjustable (700 mm height adjustment) with buttons placed in table front. Including mounting kit, safety rail, body belt and wired remote control. 440lbs maximum load. 110v power.

10. Hand Dryer: Bobrick B-7179 Stainless Steel Satin Finish

11. Paper Towel Dispenser and Waste Receptacle: Surface Mounted Bobrick B-3979, Semi-recessed Bobrick B-3942.

12. Automatic Soap Dispenser: Bobrick B-2013

13. Sanitary Napkin Vendor: Bobrick B-2706C - ClassicSeries Surface-Mounted Napkin/Tampon Vendor

2.7 Schedule of Accessories

1. Toilet Tissue Dispenser (TPD): six (6) in Washroom Women 008, two (2) in Washroom Men 007, one (1) in Washroom 113, one (1) in Washroom 112, one (1) in Washroom 210, one (1) in Washroom 211, one (1) in Washroom 212, one (1) in Staff Washroom 012, one (1) in Staff Washroom 013. Total 15.

2. Sanitary Napkin Disposal: six (6) in Washroom Women 008, one (1) in Washroom 113, one (1) in Washroom 112, one (1) in Washroom 210, one (1) in Washroom 211, one (1) in Washroom 212, one (1) in Staff Washroom 012, one (1) in Staff Washroom 013. Total 13.

3. Framed non-tilted Mirror: Four (4) in Washroom Women 008, three (3) in Washroom Men 007, one (1) in Washroom 113, one (1) in Washroom 112, one (1) in Washroom 210, one (1) in Washroom 211, one (1) in Washroom 212, one (1) in Staff Washroom 012, one (1) in Staff Washroom 013. Total 14.

4. Framed Tilted Mirror: N/A.

5. Sanitary Napkin Vendor: One (1) in Washroom Women 008

6. Grab Bars: at W.C.'s for handicapped and at showers for the handicapped. Shower Curtain Rod and Curtain. Two (2) Grab bars for Urinals in Washroom men 007. Grab Bars for WC 8 in total.

7. Robe Hooks: six (6) in Washroom Women 008, two (2) in Washroom Men 007, one (1) in Washroom 113, one (1) in Washroom 112, one (1) in Washroom 210, one (1) in Washroom 211, one (1) in Washroom 212, one (1) in Staff Washroom 012, one (1) in Staff Washroom 013, four (4) in Open Office 216. Total 19.

8. Stainless Steel Shelf: One (1) in Staff Washroom 012, one (1) in Staff Washroom 013, one (1) in Universal Washroom 112. Total 3.

9. Baby Change Table: Baby Change Table: one in each of the following washrooms: Washroom Women 008, Washroom Men 007, Washroom 113, Washroom 211. Total 4.

10. Adult Change Table: one (1) in Universal Washroom 112.

11. Hand Dryers: two (2) in Washroom Women 008, two (2) in Washroom Men 007, one (1) in Washroom 112. Total 5.

12. Paper Towel Dispenser and Waste Receptacle: 7 Surface mounted (one (1) in Washroom Women 008, one (1) in Washroom Men 007, one (1) in Staff Washroom 012, one (1) in Staff Washroom 013, one (1) in Washroom 113, one (1) in Washroom 112, one (1) in Washroom 211) and 2 Semi recessed (one (1) in Washroom 210, one (1) in Washroom 212). Total 9.

13. Automatic Soap Dispenser: Four (4) in Washroom Women 008, three (3) in Washroom Men 007, one (1) in Washroom 113, one (1) in Washroom 112, one (1) in Washroom 210, one (1) in Washroom 211, one (1) in Washroom 212, one (1) in Staff Washroom 012, one (1) in Staff Washroom 013. Total 13.

2.8 Fabrication

1. Weld, ground flush and smooth joints of fabricated components. Use mechanical fasteners only when approved.

2. Form exposed surfaces from one sheet of stock, free of joints.

3. Brake form sheet metal with 2 mm radius bends.

4. Form flat surfaces without distortion. Maintain flat surfaces without scratches or dents.

5. Paint back of components where contact is made with building finishes to prevent

electrolysis.

6. Hot dip ferrous metal anchors and fastening devices to conform with CGSB G164.

7. Shop assemble and package components complete with anchors and fittings.

8. Deliver inserts and rough-in frames to site at appropriate time for building in. Provide templates or rough-in measurements as required.

9. Provide steel anchor plates and components for installation on studding and building framing.

10. All exposed stainless steel edges to be hemmed.

11. All stainless steel units to be double panned.

3 EXECUTION

3.1 Installation

1. Installation of all miscellaneous specialties by this Section. Install all items to secure backing.

2. Securely fasten accessories level and plumb in the locations shown on the drawings and as specified herein. Mounting heights as shown on drawings, or as directed by the Consultant.

3. Co-ordinate installation with the work of trades providing adjacent construction as required to achieve the reveals or other edge conditions shown where front faces of units are flush with the finished wall surfaces.

4. Perform drilling of steel, masonry and concrete necessary to install the accessories.

5. Insulate accessory surfaces to prevent electrolysis due to contact with masonry, concrete or dissimilar metal surfaces. Use bituminous paint, building paper or other approved means.

6. Clean all accessories in conformance with Division 1.

3.2 Location and Quantity

1. Provide washroom accessories as noted on washroom layout drawings.

3.3 Mounting Heights for Accessories

Toilet Tissue Dispenser	600mm AFF
Sanitary Napkin Disposal	400mm AFF
Sanitary Napkin Vendor	800mm AFF
Coat Hooks	1400 mm AFF to top rack
Mirror (Type 1) 450 x 610	1000mm AFF
Mirror (Type 2) 400 x 760	1000mm AFF
Grab Bar	BF Standard(OBC)
Towel Bar	1200mm AFF

Hand Dryer	1200mm AFF
Shower Curtain and Rod	2000mm AFF
Urinals	500mmwith one at 400mm to top of bottom lip

End of Section 10 28 00