

## PART 1 - GENERAL

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| <u>1.1 RELATED SECTIONS</u> | .1 | Section 01 33 00 - Submittal Procedures.   |
| <u>1.2 REFERENCES</u>       | .1 | American Society for Testing and Materials (ASTM)<br>.1 ASTM A 167-99(2009), Standard Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.<br>.2 ASTM B456-11, Standard Specification for Electro deposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium.<br>.3 ASTM A 653/A 653M-10, Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.<br>.4 ASTM A924/A924M-13, Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process. |
|                             | .2 | Canadian General Standards Board (CGSB)<br>.1 CAN/CGSB 1.81-M90 CORR., Air Drying and Baking Alkyd Primer for Vehicles and Equipment.<br>.2 CAN/CGSB-1.88-92, Gloss Alkyd Enamel, Air Drying and Baking.<br>.3 CGSB 31-GP-107MA Phosphoric Acid Base Metal Conditioner and Rust Remover.   |
|                             | .3 | Canadian Standards Association (CSA)<br>.1 CAN/CSA-G164-M92(R2003), Hot Dip Galvanizing of Irregularly Shaped Articles.<br>.2 CAN/CSA-B651-12 Barrier Free Design.   |
| <u>1.3 SHOP DRAWINGS</u>    | .1 | Submit shop drawings in accordance with Section 01 33 00 - Submittal Procedures.   |
|                             | .2 | Indicate size and description of components, base material, surface finish inside and out, hardware and locks, attachment devices and description of rough-in-frame and building-in details of anchors for grab bars.  |

<u>1.4 CLOSEOUT SUBMITTALS</u>	.1	Provide maintenance data for toilet and bath accessories for incorporation into manual specified in Section 01 78 00 - Closeout Submittals.
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<u>1.5 WASTE MANAGEMENT AND DISPOSAL</u>	.1	Separate and recycle waste materials in accordance with Section 01 74 21 - Construction/Demolition Waste Management And Disposal.
	.2	Collect and separate plastic, paper packaging and corrugated cardboard in accordance with Waste Management Plan.

<u>1.6 EXTRA MATERIALS</u>	.1	Provide special tools required for accessing, 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 Client.

## PART 2 - PRODUCTS

<u>2.1 MATERIALS</u>	.1	Sheet steel: to ASTM A 653/A 653M-09a with ZF001 designation zinc coating.
	.2	Stainless steel sheet metal: to ASTM A 167-99(2009), Type304, with finish as specified.
	.3	Stainless steel tubing: Type 304, commercial grade, seamless welded, 1.2 mm wall thickness.
	.4	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.

<u>2.2 COMPONENTS</u>	.1	All accessories shall be the products of the same manufacturer. See plans for quantities and locations.
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2.2 COMPONENTS  
(Cont'd)

- .2 T1 - Toilet Tissue Dispenser: surface mounted roll dispenser for jumbo double roll, heavy duty cast aluminum, one per stall.
  - .1 Acceptable material:
    - .1 Bobrick B-2892.
    - .2 Bradley 5425.
    - .3 American Specialties.
- .3 T2 - Sanitary Napkin Disposal: 0.8mm (22 ga.) stainless steel, satin finish; full length piano hinge on sloping cover; surface mounted:
  - .1 Acceptable material:
    - .1 Bobrick B-270.
    - .2 Bradley 4722-15.
    - .3 American Specialties - 20852.
- .4 T3 - Grab Bar: 32mm (1-1/4") diameter, stainless steel, peened grip; satin finish at ends of bar and flange; 75mm (3") diameter concealed mounting plate, with flange secured by set screws; 38mm (1-1/2") clear from wall finish to grab bar; straight bar, 610mm (24") long:
  - .1 Acceptable material:
    - .1 Bobrick
    - .2 Bradley.
    - .3 American Specialties.
- .5 T4 - Grab Bar: 32mm diameter, stainless steel, peened grip; satin finish at ends of bar and flange; 75mm (3") diameter concealed mounting plate, with flange secured by set screws; 38mm (1-1/2") clear from wall finish to grab bar; straight bar, 915mm (36") long:
  - .1 Acceptable material:
    - .1 Bobrick
    - .2 Bradley.
    - .3 American Specialties.
- .6 T5 - foam Soap Dispenser, surface Mounted: satin finish, stainless steel, 1 liter capacity. One per basin.
  - .1 Acceptable material:
    - .1 Bobrick B-26637.
    - .2 American Specialties Inc., 20365
- .7 T6 - Framed Tilt Mirror: Frame of Type 304, 20 gauge, stainless steel satin finish; mirror to extend 4" at top and taper to 1" at bottom; No. 1 quality 1/4" select float glass mirror; 24" wide x 36" high.

## 2.2 COMPONENTS (Cont'd)

- .7 T6 - Framed Tilt Mirror:(Cont'd)
  - .1 Acceptable material:
    - .1 Bobrick: B-293 2436.
    - .2 Bradley: 740 series.
    - .3 American Specialties: Model 0535-2436.
- .8 T7 - Grab Bar, 90 degree angle, left or right: 32mm diameter, stainless steel, peened grip; satin finish at ends of bar and flange; 75mm (3") diameter concealed mounting plate, with flange secured by set screws; 38mm (1-1/2") clear from wall finish to grab bar; straight bar, 1000mm (39") horizontal x 750mm (29") vertical, custom fabricated to suit if required:
  - .1 Acceptable material:
    - .1 Bobrick B-5846.99 and B-5856.99.
    - .2 Bradley, to match specification and dimensions.
    - .3 American Specialties 3707-4-M-1000x750 LH and RH.
- .9 T8 - Shower Seat: Surface mounted seat of water-resistant, ivory coloured, 8mm thick solid phenolic. Frame and mounting bracket of type 304 stainless steel, with self-locking mechanism. Seat measures 450mm wide x 400mm (18"x15-3/4") projection; mounted 450mm (18") from floor to top of seat.
  - .1 Acceptable material:
    - .1 Bobrick B-5191.
    - .2 Bradley 9558.
    - .3 American Specialties 8209A.
- .10 T9 - Shower Curtain and Rod:
  - .1 Extra heavy duty curtain rod, 32mm (1-1/4") diameter 18 gauge type 304 stainless steel satin finish, with 62mm flanges; see drawings for length. Acceptable material:
    - .1 Bobrick B-6047.
    - .2 Bradley 9539.
    - .3 American Specialties 1204.
  - .2 For each shower rod provide a shower curtain of opaque, matte white vinyl, 2mm thick, complete with nickel plated brass grommets every 150mm at top and stainless steel curtain hooks. Bottom and sides hemmed. Acceptable material:
    - .1 Bobrick 204-2 curtain plus 204-1 hooks.
    - .2 Bradley 9533 plus 9536 hooks.

2.2 COMPONENTS  
(Cont'd)

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- .10 T9 - Shower Curtain and Rod:(Cont'd)
    - .2 (Cont'd)
    - .3 American Specialties 1200-V plus 1200-SHU hooks.
  - .11 T10 - paper towel dispenser for roll towels: surface mounted, durable, high impact plastic. Heavy gauge steel back.
    - .1 Acceptable material:
      - .1 Bobrick Model B-72860.
      - .2 Bradley Model 2497.
      - .3 American Specialties Inc. equivalent.
  - .12 T11 - Waste Receptacle: 0.8mm (22 ga.) stainless steel; exposed surfaces to have satin finish; equipped with vinyl bumper strip and rubber feet; cover equipped with 2 spring-loaded doors which have an international graphic symbol to indicate waste disposal; interior to be equipped with hooks for securing removable liners; capacity of 73 to 79 litres.
    - .1 Acceptable material:
      - .1 Bobrick B-2250.
      - .2 Bradley 377.
      - .3 American Specialties 0812.
  - .13 T12 - Robe Hook: Bright polished finish stainless steel flat bar forming hat and coat hooks; 50 mm square flange:
    - .1 Acceptable Material:
      - .1 Bobrick model B-682
      - .2 Bradley Model 9135
      - .3 American Specialties Model 7382-B
  - .14 T13 - recessed soap dish: for showers. Satin stainless steel.
    - .1 Acceptable material:
      - .1 Bobrick model B-430.
      - .2 Bradley model 9353.
      - .3 American Specialties 7404.
  - .15 T14 - Framed Mirror: One piece channel-framed mirror, type 304 stainless steel, satin finish; galvanized steel back; secured to concealed wall hanger with concealed locking screws; 36" wide x 48" high; 6mm tempered glass mirror to CAN/CGSB-12.5, Type 1B for high humidity use.
    - .1 Acceptable material:
      - .1 Bobrick Model B-165 4836.
      - .2 Bradley Model 781-2-48"x36".
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<u>2.2 COMPONENTS</u> (Cont'd)	.15	T14 - Framed Mirror:(Cont'd)
	.1	Acceptable material:(Cont'd)
	.3	American Specialties Model 0620B-48"x36".
	.4	Saferail.
<u>2.3 FABRICATION</u>	.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-M92(R2003).
	.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.
<u>2.4 FINISHES</u>	.1	Chrome and nickel plating: to ASTM B 456-03(2009), finish as specified.
	.2	Manufacturer's or brand names on face of units not acceptable.

### PART 3 - EXECUTION

- 3.1 INSTALLATION
- .1 Install and secure accessories rigidly in place as follows:
    - .1 Plaster/drywall: use toggle bolts drilled into wall cavity. Provide blocking as required.
    - .2 Use tamper proof screws/bolts for fasteners.
    - .3 Fill units with necessary supplies shortly before final acceptance of building.
- 3.2 SCHEDULE
- .1 Locate accessories where indicated.