

1 GENERAL

1.01 SUMMARY

- .1 Section includes:
 - .1 Washroom accessories to be provided and installed by Contractor are contained within this specification section.
 - .2 Washroom accessories to be supplied and installed by the Owner:
 - .1 Loose waste receptacles
 - .2 Soap dispensers
 - .3 Toilet paper dispensers
 - .4 Sanitary napkin disposals
 - .5 Hand sanitizer dispensers

1.02 RELATED REQUIREMENTS

- .1 Section 06 10 53 - Miscellaneous Rough Carpentry

1.03 DEFINITIONS

- .1 N/A

1.04 REFERENCE STANDARDS

- .1 CSA Group (CSA):
 - .1 CSA B651-18, Accessible design for the built environment
 - .2 CSA/ASC B651:23, Accessible design for the built environment

1.05 ADMINISTRATIVE REQUIREMENTS

- .1 Coordination:
 - .1 Coordinate with Section 06 10 53 - Miscellaneous Rough Carpentry and Section 09 22 16 - Non-Structural Metal Framing for framing, blocking, or backing required to anchor wall-mounted accessories.
 - .2 Coordinate with Section 09 21 16 - Gypsum Board Assemblies for installation of manufacturers' steel anchor plates before installing gypsum board.
 - .3 Coordinate with Section 10 21 13.13 - Metal Toilet Compartments for reinforcement for compartment-mounted accessories.
 - .4 Deliver inserts and rough-in frames to Place of the Work at appropriate time for building-in. Provide templates, details, and instructions for building in anchors and inserts.
 - .5 Confirm exact locations with the Consultant prior to installation of blocking.

1.06 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Submit in accordance with Section 01 33 00 - Submittal Procedures.

- .2 Product data: Product literature and data sheets for each accessory, including product characteristics, performance criteria, physical sizes, finishes, accessories and limitations.
- .3 Shop drawings:
 - .1 Show location of each component, dimensioned plans and elevations, mounting heights, and attachment details.
 - .2 Show rough-in frames for recessed and semi-recessed installations, and each type of associated wall construction.
 - .3 Show locations and sizes of framing, blocking, or backing required for wall-mounted accessories, including concealed items specified in other sections.
- .4 Samples:
 - .1 N/A
- .5 Manufacturer's instructions:
 - .1 Special delivery, storage, and handling requirements.
 - .2 Installation instructions.
 - .3 Recommended sequencing.
 - .4 Cleaning procedures.

1.07 CLOSEOUT SUBMITTALS

- .1 Submit in accordance with Section 01 78 00 - Closeout Submittals.
- .2 Operation and maintenance data:
 - .1 Include, in the operation and maintenance manual, manufacturer's operation and maintenance instructions and recommended cleaning materials and methods.

1.08 WARRANTY

- .1 Submit warranty certificates from Product manufacturer(s) as follows:
 - .1 Silver coating on mirrors: 15 years.

1.09 MAINTENANCE MATERIAL SUBMITTALS

- .1 Submit in accordance with Section 01 78 00 - Closeout Submittals.
- .2 Tools:
 - .1 Submit two (2) complete sets of special tools and master keys for locked / keyed accessories.
 - .2 Supply special tools required for assembly, disassembly, and maintenance of accessories.

2 PRODUCTS

2.01 GENERAL REQUIREMENTS

- .1 Regulatory requirements:
 - .1 Products requiring electrical connection:
 - .1 Listed and certified by a certification body accredited by the Standards Council of Canada (SCC) or acceptable to authority having jurisdiction as suitable for purpose specified.
- .2 Provide rough-in frames for accessories semi-recessed or recessed into walls.
- .3 Manufacturer's identification labels not permitted on visible surfaces.

2.02 MATERIALS

- .1 Aluminum, extruded: To ASTM B221 or ASTM B221M.
- .2 Steel sheet: To ASTM A653/A653M, commercial quality galvanized, with Z275 coating designation.
- .3 Stainless-steel sheet: To ASTM A240/A240M or ASTM A666/A666M, Type 304.
 - .1 Finishes: To ASTM A480/A480M.
 - .1 No. 4 Finish, general purpose polished finish.
- .4 Stainless-steel tubing: To ASTM A269/A269M, seamless, Grade TP304.
- .5 Stainless-steel castings: To ASTM A743/A743M.
- .6 Zinc aluminum magnesium and copper alloy (Zamac) castings: To ASTM B86.

2.03 TOILET ACCESSORIES

- .1 Hand dryers:
 - .1 Performance/design criteria:
 - .1 Basis of Design: ~~World Dryer, VERDE~~ **Dyson Airblade V**
 - .2 Or approved equivalent
 - .2 Mounting: Surface.
 - .3 Filter: HEPA
 - .4 Operation:
 - .1 ~~Automatic: Infrared sensor-actuated.~~
 - .5 Electrical: ~~120V/20A/60Hz~~ **1000w, 100-120v or 200-240v, coordinate with existing electrical conditions in the field.**
 - .6 Finish: ~~Brushed Stainless Steel~~ **Nickel**
- .2 Splash Plate:
 - .1 Size: 300mm x 600mm
 - .2 Material: Stainless steel
 - .3 Quantity: One (1) splash plate below each hand dryer.

- .3 Mirrors: Refer to Section 08 80 00.
- .4 Paper towel dispensers: Hinged front panel, refill indicator slot, and lockable access.
 - .1 Performance/design criteria:
 - .1 Counter-mounted Towel dispenser: Operable with one hand to dispense towels.
 - .2 Basis of Design: Bobrick B-526
 - .3 Or approved equivalent
 - .2 Material: Stainless-steel sheet
 - .1 Finishes: Satin.
 - .3 Nominal dimensions: 325 mm wide × 150 mm high × 430 mm deep.
 - .4 Mounting: Recessed.
 - .5 Paper towel type: Folded.
 - .6 Capacity:
 - .1 Folded: 300 C-fold, 400 multifold
 - .7 Operation: Manual.
 - .8 Coordinate with Section 06 40 00 Architectural Woodwork.

2.04 FABRICATION

- .1 Weld and grind joints of fabricated components flush and smooth. Fabricate with mechanical fasteners only where acceptable to the Consultant.
- .2 Fabricate manufactured units so exposed metal edges are safe to touch, rolled or smooth finished, and free from burrs.
- .3 Wherever possible form exposed surfaces from a single sheet, free of visible joints.
- .4 Brake form sheet metal work with approximately 1.5 mm radius bends.
- .5 Form surfaces flat without distortion, scratches, or dents.
- .6 Back paint components where contact is made with building finishes where electrolysis could otherwise occur.
- .7 Factory assemble components and package with anchors and fittings.
- .8 Provide steel anchor plates and components for installation on studding and building framing.

2.05 ACCESSORIES

- .1 Fasteners: Corrosion-resistant, tamper-resistant screws and bolts.
 - .1 Expansion shields: Manufacturer-recommended for component and its intended use.
 - .2 Exposed fasteners: Match accessory finish.
- .2 Anchor plates: Steel sheet purpose-built plates with threaded studs or plugs.

3 EXECUTION

3.01 EXAMINATION

- .1 Verification of conditions:
 - .1 Verify substrate and project conditions in accordance with Section 01 71 00 - Examination and Preparation, and:
 - .1 Verify walls and partitions have framing, blocking, backing, or anchor plates where required.

3.02 INSTALLATION

- .1 Install accessories where located on Drawings, in accordance with manufacturer's instructions and reviewed Shop Drawings.
- .2 Secure accessories plumb, level, and rigidly in place.
 - .1 Concrete: Use bolts with expansion sleeves set into drilled holes.
 - .2 Hollow masonry units: Use toggle bolts drilled into cell cavity.
 - .3 Solid masonry: Use bolts with expansion sleeves set into drilled holes.
 - .4 Solid stone masonry: Use bolts with expansion sleeves set into drilled holes.
 - .5 Existing gypsum board walls: Use toggle bolts drilled into wall cavity.
 - .6 Existing plaster walls: Use toggle bolts drilled into wall cavity.
 - .7 Toilet compartments: Use male-to-female through bolts.
 - .8 Adhesives: High-pressure bonding type, suitable for materials being bonded. Contact adhesives not acceptable.
- .3 Centre mirrors over lavatories.
- .4 Fill units with necessary supplies shortly before final cleaning.

3.03 ADJUSTING

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

3.04 CLEANING

- .1 Clean in accordance with Section 01 74 00 – Cleaning
- .2 Remove all protective films as part of the Final Cleaning.

3.05 PROTECTION

- .1 Protect partially installed and completed work from damage in accordance with Section 01 76 00 - Protecting Installed Construction.

3.06 TOILET ACCESSORIES SCHEDULE

- .1 General: Mounting heights and controls heights specified indicate distance above finished floor.

- .2 Coat hooks installed in toilet compartments are specified in Section 10 21 13 - Metal Toilet Compartments.
- .3 Hand dryers (HD):
 - .1 Locations:
 - .1 One in each gendered washroom.
 - .2 Mounting height: 1100 mm maximum to the point of interaction.
- .4 Splash Plate (SP):
 - .1 Locations:
 - .1 One directly under each hand dryer.
- .5 Mirrors, framed (MIR):
 - .1 Locations:
 - .1 One at each gendered washroom.
- .6 Paper towel dispensers (PTD):
 - .1 Locations:
 - .1 One in R4-03 the Hub kitchenette millwork.

END OF SECTION