

PART 1 - GENERAL

- 1.1 REFERENCES
- .1 Canada Green Building Council (CaGBC)
 - .1 LEED Canada-NC-2009, LEED (Leadership in Energy and Environmental Design): Green Building Rating System Reference Package For New Construction and Major Renovations.
 - .2 Canadian Standards Association (CSA International)
 - .1 CAN/CSA-B45 Series-, Plumbing Fixtures.
 - .2 CAN/CSA-B125.3-05, Plumbing Fittings.
 - .3 CAN/CSA-B651-04, Accessible Design for the Built Environment.
- 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 datasheets for fixtures, and include product characteristics, performance criteria, physical size, finish and limitations.
 - .3 Sustainable Design Submittals:
 - .1 LEED Submittals: in accordance with Section 01 35 21 - LEED Requirements.
- 1.3 CLOSEOUT SUBMITTALS
- .1 Provide maintenance data in accordance with Section 01 78 00 - Closeout Submittals.
 - .2 Include:
 - .1 Description of fixtures and trim, giving manufacturer's name, type, model, year, capacity.
 - .2 Details of operation, servicing, maintenance.
 - .3 List of recommended spare parts.
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| <u>1.4 DELIVERY,
STORAGE AND
HANDLING</u> | .1 | Deliver, store and handle in accordance with Section 01 61 00 - Common Product Requirements. |
| | .2 | Deliver materials to site in original factory packaging, labelled with manufacturer's name, address. |
| | .3 | Packaging Waste Management: remove for reuse or return of pallets, crates, padding, banding, and packaging materials as specified in Construction Waste Management Plan in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal and Section 01 35 21 - LEED Requirements. |

PART 2 - PRODUCTS

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| <u>2.1 SUSTAINABLE
MATERIAL</u> | .1 | Materials and products in accordance with Section 01 35 21 LEED Requirements. | | | | |
| <u>2.2 MANUFACTURED
UNITS</u> | .1 | Fixtures: manufacture in accordance with CAN/CSA-B45 series. | | | | |
| | .2 | Trim, fittings: manufacture in accordance with CAN/CSA-B125. | | | | |
| | .3 | Exposed plumbing brass to be chrome plated. | | | | |
| | .4 | Number, locations: architectural drawings to govern. | | | | |
| | .5 | Fixtures to be product of one manufacturer. | | | | |
| | .6 | Trim to be product of one manufacturer. | | | | |
| | .7 | Mop sinks: <table> <tr> <td>.1</td> <td>Sink: moulded stone, 300 mm high undrilled integral back. Size: 610 x 610 x 254 mm.</td> </tr> <tr> <td>.2</td> <td>Supply fitting: with built-in elevated vacuum breaker and back siphonage protection, indexed cross handles, 1400 mm long rubber hose, escutcheons, union inlets, heavy cast</td> </tr> </table> | .1 | Sink: moulded stone, 300 mm high undrilled integral back. Size: 610 x 610 x 254 mm. | .2 | Supply fitting: with built-in elevated vacuum breaker and back siphonage protection, indexed cross handles, 1400 mm long rubber hose, escutcheons, union inlets, heavy cast |
| .1 | Sink: moulded stone, 300 mm high undrilled integral back. Size: 610 x 610 x 254 mm. | | | | | |
| .2 | Supply fitting: with built-in elevated vacuum breaker and back siphonage protection, indexed cross handles, 1400 mm long rubber hose, escutcheons, union inlets, heavy cast | | | | | |
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2.2 MANUFACTURED
UNITS
(Cont'd)

- .7 Mop sinks: (Cont'd)
 - .2 Supply fitting: (Cont'd)
brass spout with pail hook, aerator, brace to wall, integral stop valves. Provide accessories to limit maximum flow rate to 8.35 l/minute at 413 kPa. See plumbing fixture schedule on drawing for more details.
- .8 Stainless steel counter-top sinks.
 - .1 SS-1: single compartment, ledge-back.
 - .1 From 1.0 mm thick type 302 stainless steel, self-rimming, undercoated, clamps. Overall sizes: 520 x 510 x 180 mm.
 - .2 Trim: chrome plated brass, with swing spout, tamper proof aerator, indexed handles, washerless controls, accessories to limit maximum flow rate to 5.7 litres/minute at 413 kPa.
 - .3 Waste fitting: integral stainless steel basket strainer/stopper, tailpiece, cast brass P-trap with cleanout.
 - .2 See plumbing fixture schedule for more details.
- .9 Laundry tubs:
 - .1 LAUT-1: single compartment.
 - .1 Moulded stone, baked enamel steel stand, front apron, waste plug with rubber stopper, adjustable tailpiece, cast brass trap with cleanout. Sizes: 560 x 560 mm with 76 L capacity.
 - .2 Trim:
 - .1 100 mm centers.
 - .2 Centres adjustable.
 - .3 Two handles.
 - .4 Polished chrome plated cast brass faucet body with integral stops.
 - .5 Body mounted angle vacuum breaker.
 - .6 Hose end spout, 8.35 L/min.
 - .7 Wall brace.
 - .8 Heavy duty brass compression structures.
 - .9 64 mm hooded lever handles.
 - .3 Shut off valves within reach.

- 2.2 MANUFACTURED
UNITS
(Cont'd)
- .10 Fixture piping:
 - .1 Hot and cold water supplies to each fixture:
 - .1 Chrome plated flexible supply pipes each with handwheel stop, reducers, escutcheon.
 - .2 Waste:
 - .1 Brass P trap with clean out on each fixture not having integral trap.
 - .2 Chrome plated in all exposed places.
 - .11 Chair carriers:
 - .1 Factory manufactured floor-mounted carrier systems for all wall-mounted fixtures.

PART 3 - EXECUTION

- 3.1 APPLICATION
- .1 Manufacturer's Instructions: comply with manufacturer's written recommendations, including product technical bulletins, handling, storage and installation instructions, and datasheets.
- 3.2 INSTALLATION
- .1 Mounting heights:
 - .1 Standard: to comply with manufacturer's recommendations unless otherwise indicated or specified.
 - .2 Wall-hung fixtures: as indicated, measured from finished floor.
 - .3 Physically handicapped: to comply with most stringent of either NBCC or CAN/CSA-B651.
- 3.3 ADJUSTING
- .1 Conform to water conservation requirements specified this section.
 - .2 Adjustments:
 - .1 Adjust water flow rate to design flow rates.
 - .2 Adjust pressure to fixtures to ensure no splashing at maximum pressures.
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3.3 ADJUSTING
(Cont'd)

- .3 Checks:
 - .1 Aerators: operation, cleanliness.
 - .2 Vacuum breakers, backflow preventers: operation under all conditions.
 - .3 Wash fountains: operation of flow-actuating devices.
- .4 Thermostatic controls:
 - .1 Verify temperature settings, operation of control, limit and safety controls.

3.4 CLEANING

- .1 Clean in accordance with Section 01 74 11 - Cleaning.
 - .1 Remove surplus materials, excess materials, rubbish, tools and equipment.
- .2 Waste Management: separate waste materials for reuse and recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal and Section 01 35 21 - LEED Requirements.