

PART 1 - GENERAL

1.1 RELATED
SECTIONS

- .1 Submittal Procedures: Section 01 33 00
- .2 Occupational Health and Safety Requirements: Section 01 35 29
- .3 Closeout Submittals: Section 01 78 00

1.2 REFERENCES

- .1 Canadian Standards Association (CSA)
 - .1 CAN/CSA-B45-02(R2013) Series, Plumbing Fixtures.
 - .2 CAN/CSA-B125.3-11, Plumbing Fittings.
 - .3 CAN/CSA-B651-12, Accessible Design for the Built Environment.

1.3 SUBMITTALS

- .1 Provide submittals in accordance with Section 01 33 00.
- .2 Product Data: submit WHMIS MSDS - Material Safety Data Sheets.
- .3 Submit shop drawings and product data in accordance with Section 01 33 00.
 - .1 Indicate, for all fixtures and trim:
 - .1 Dimensions, construction details, roughing-in dimensions.
 - .2 Factory set water consumption at recommended pressure.
 - .3 Minimum pressure required.
- .4 Closeout Submittals:
 - .1 Submit maintenance data in accordance with Section 01 78 00.
 - .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.

1.4 QUALITY
ASSURANCE

- .1 Health and Safety:
 - .1 Do construction occupational health and safety in accordance with Section 01 35 29.

1.5 DELIVERY
STORAGE AND
DISPOSAL

- .1 Waste Management and Disposal:
 - .1 Separate waste materials for reuse and recycling in accordance with Section 01 74 21.
 - .2 Collect and separate for disposal paper, plastic, polystyrene, corrugated cardboard, packaging material in appropriate on-site bins for recycling.
 - .3 Fold up metal and plastic banding, flatten and place in designated area for recycling.

1.6 ACCEPTABLE
PRODUCTS

- .1 Fixtures:
 - .1 American Standard
 - .2 Kohler
 - .3 Sloan
 - .4 Kindred/Franke
 - .5 Fiat
 - .6 ELKAY
 - .7 Zurn
 - .8 Delta
 - .9 Moen
 - .10 Novanni
 - .11 Crane
 - .12 Stern Williams
- .2 Trim:
 - .1 Cambridge Brass
 - .2 Chicago Faucet
 - .3 Powers Crane
 - .4 Sloan
 - .5 Zurn
 - .6 Delta
 - .7 Kohler
 - .8 Moen
 - .9 Lawler
- .3 Alternate products must fit within available space.

PART 2 - PRODUCTS

2.1 MANUFACTURED
UNITS

- .1 Fixtures: manufacture in accordance with CAN/CSA-B45 series.
- .2 Trim, fittings: manufacture in accordance with CAN/CSA-B125.11.
- .3 Exposed plumbing brass to be chrome plated.
- .4 Number, locations: Architectural drawings to govern.
- .5 Fixtures in any one (1) location to be product of one (1) manufacturer and of same type.
- .6 Trim in any one location to be product of one (1) manufacturer and of same type.

2.2 EQUIPMENT
SCHEDULE

- .1 Refer to plumbing fixture Schedule on the Drawings.

2.3 FIXTURE PIPING

- .1 Hot and cold water supplies to each fixture:
 - .1 Chrome plated flexible supply pipes each with screwdriver stop, reducers, escutcheon for exposed supplies.

- .2 Waste:
 - .1 Brass P trap with cleanout on each fixture not having integral trap.
 - .2 Chrome plated in all exposed places.

- 2.4 CHAIR CARRIERS .1 Factory manufactured floor-mounted carrier systems for all wall-mounted fixtures

PART 3 - EXECUTION

- 3.1 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, or Provincial Buildings Accessibility Act and Regulations.

- 3.2 ADJUSTING .1 Conform to water conservation requirements specified this section.
- .2 Do adjustments prior to pre-commissioning.
- .3 Adjustments:
 - .1 Adjust water flow rate to design flow rates.
 - .2 Adjust pressure to fixtures to ensure no splashing at maximum pressures.
- .4 Checks:
 - .1 Aerators: operation, cleanliness.
 - .2 Vacuum breakers, backflow preventers: operation under all conditions.
- .5 Thermostatic controls:
 - .1 Verify temperature settings, operation of control, limit and safety controls.

END OF SECTION