

## **Part 1           General**

### **1.1   REFERENCES**

- .1   American Society for Testing and Materials (ASTM)
  - .1   ASTM B32-96, Specification for Solder Metal.
  - .2   ASTM B306-99, Specification for Copper Drainage Tube (DWV).
  - .3   ASTM C564-95a, Specification for Rubber Gaskets for Cast Iron Soil Pipe and Fittings.
  - .4   ASTM D2564-91, Specification for Solvent Cements for Poly (Vinyl-Chloride) (PVC) Plastic Pipe and Fittings.
  
- .2   Canadian Standards Association (CSA)
  - .1   CSA B67-1972(R1996), Lead Service Pipe, Waste Pipe, Traps, Bends and Accessories.
  - .2   CAN/CSA-B70-97, Cast Iron Soil Pipe, Fittings and Means of Joining.
  - .3   CAN/CSA-B125-98, Plumbing Fittings.
  - .4   CAN/CSA-B181.2-M90, PVC Drain, Waste and Vent Pipe and Pipe Fittings.
  - .5   CAN/CSA-B182.1-M92, Plastic Drain and Sewer Pipe and Pipe Fittings.

## **Part 2           Products**

### **2.1   COPPER TUBE AND FITTINGS**

- .1   Above ground sanitary, storm, and vent Type DWV to: ASTM B306.
  - .1   Fittings.
    - .1   Cast brass: to CAN/CSA-B125.
    - .2   Wrought copper: to CAN/CSA-B125.
  - .2   Solder: lead free, tin-antimony 95:5, to ASTM B32.

### **2.2   CAST IRON PIPING AND FITTINGS**

- .1   Above ground sanitary, storm, and vent: to CAN/CSA-B70.
  - .1   Joints.
    - .1   Mechanical joints.
      - .1   Neoprene or butyl rubber compression gaskets with stainless steel clamps.

### **2.3   PLASTIC PIPING AND FITTINGS**

- .1   For buried DWV piping to:
  - .1   CAN/CSA-B181.2.
  - .2   CAN/CSA-B182.1.
  
- .2   Joints
  - .1   Solvent weld for PVC: to ASTM D2564. Solvent shall be low VOC type, with less than 285 g/L VOC content.

**Part 3          Execution**

**3.1      INSTALLATION**

- .1      Install in accordance with National Plumbing Code of Canada and local authority having jurisdiction.

**3.2      TESTING**

- .1      Pressure test buried systems before backfilling.
- .2      Hydraulically test to verify grades and freedom from obstructions.

**END OF SECTION**