

**Part 1 General**

**1.1 RELATED REQUIREMENTS**

- .1 Section 01 00 10 – General Instructions.

**1.2 REFERENCES**

- .1 ASTM International Inc.
  - .1 ASTM B32-08, Standard Specification for Solder Metal.
  - .2 ASTM B306-02, Standard Specification for Copper Drainage Tube (DWV).
  - .3 ASTM C564-03a, Standard Specification for Rubber Gaskets for Cast Iron Soil Pipe and Fittings.
- .2 Canadian Standards Association (CSA International).
  - .1 CSA B67-1972 (R1996), Lead Service Pipe, Waste Pipe, Traps, Bends and Accessories CAN/CSA-B70-06, Cast Iron Soil Pipe, Fittings and Means of Joining.
  - .2 CAN/CSA-B125.3-05, Plumbing Fittings.

**1.3 ACTION AND INFORMATIONAL SUBMITTALS**

- .1 Provide submittals in accordance with Section 01 00 10 – General Instructions.
- .2 Product Data:
  - .1 Provide manufacturer's printed product literature and datasheets for adhesives, and include product characteristics, performance criteria, physical size, finish and limitations.

**Part 2 Products**

**2.1 COPPER TUBE AND FITTINGS**

- .1 Above ground sanitary and vent Type DWV to: ASTM B306.
  - .1 Fittings.
    - .1 Cast brass: to CAN/CSA-B125.3.
    - .2 Wrought copper: to CAN/CSA-B125.3.
  - .2 Solder: tin-lead, 50:50, and type 50A, to ASTM B32.

**2.2 CAST IRON PIPING AND FITTINGS**

- .1 Above ground sanitary and vent: to CAN/CSA-B70.
  - .1 Joints:
    - .1 Hub and spigot:
      - .1 Caulking lead: to CSA B67.
    - .2 Mechanical joints:
      - .1 Neoprene or butyl rubber compression gaskets with stainless steel clamps.

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**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.
- .2      Install in accordance with National Plumbing Code, Provincial Plumbing Code 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.

**3.3            PERFORMANCE VERIFICATION**

- .1      Cleanouts:
  - .1          Ensure accessible and that access doors are correctly located.
  - .2          Open, cover with linseed oil and re-seal.
  - .3          Verify that cleanout rods can probe as far as the next cleanout, at least.
- .2      Test to ensure traps are fully and permanently primed.
- .3      Ensure that fixtures are properly anchored, connected to system and effectively vented.

**END OF SECTION**