

1. PART 1 – GENERAL

1.1 Reference

- .1 ASTM B32-89, Specification for Solder Metal.
- .2 ASTM B306-88, Specification for Copper Drainage Tube (DWV).
- .3 ASTM C564-88, Specification for Rubber Gaskets for Cast Iron Soil Pipe and Fittings.
- .4 CSA B67-1972, Lead Service Pipe, Waste Pipe, Traps, Bends and Accessories.
- .5 CAN/CSA-B70-M91, Cast Iron Soil Pipe, Fittings and Means of Joining.
- .6 CAN/CSA-B125-M93, Plumbing Fittings.

2. PART 2 – PRODUCTS

1.1 Specifications

- .1 Drainage and vent piping as to attached D55A standard.

2.1 Copper tube and fittings

- .1 Above ground sanitary and vent, type DWV, to be installed above ground, with adjacent fittings, to ASTM B306.
 - .1 Fittings.
 - .1 Cast brass: to CAN/CSA-B125.
 - .2 Wrought copper: to CAN/CSA-B125.
 - .2 Soldering: no-lead, 95/5 to ASTM B32.

2.2 Cast iron piping and fittings

- .1 Buried sanitary and vent, minimum NPS 3, to: CAN/CSA-B70, with adjacent fittings.
 - .1 Joints.
 - .1 Mechanical joints.
 - .1 Neoprene or butyl rubber compression gaskets: to ASTM C564 or CAN/CSA-B70.
 - .2 Stainless steel clamps.
 - .2 Hub and spigot.
 - .1 Caulking lead: to CSA B67.
 - .2 Cold caulking compounds.

3. PART 3 – EXECUTION

3.1 Installation

- .1 Install in accordance with Canadian Plumbing Code and local authority having jurisdiction.
- .2 Install piping near walls and ceilings so as to minimize usable space reduction in rooms. Respect indicated slope.

PIPING SPECIFICATIONS					
D-55A		Systems: Plumbing vents 20-Sanitary Drainage 21-Storm Drainage			
Temperature (°C)		Pressure (kPa)		Test: Media / Duration	
Normal <u>35°C</u>	Maximum <u>40°C</u>	Service <u>140 kPa</u>	Test <u>230 kPa</u>	Air	1 hour
				Water	2 hours
Item	Diameter (in)	Schedule Class	Description	Standards	Insulation Notes
Piping - above ground	2" and – 3" and +	DWV Cl.4000	DWV copper with soldered joints MJ gray cast iron with spigots and mechanical joints, bituminous coating	ASTM B-306-92 ASTM A-88 CAN/CSA B70-M1991	(1)
Piping - buried	2" and +	Cl.4000	MJ gray cast iron with spigots and mechanical joints, bituminous coating DWV PVC System 15 with spigots	ASTM B-306-92 ASTM A-88 CAN/CSA B70-M1991	
Fittings - above ground	½" to 2"		DWV wrought copper or DWV cast brass	ANSI/ASME B16.29-1986 CSA B158.1-1976	
Joints and couplings	½" to 2" 2" and +		No-lead solder for DWV copper Neoprene mechanical joints and non corroding clamps for DWV cast iron	ASTM 197, ANSI B 32-94 CCAN/CSA B602-M90	
Check valves	2" and +	125	Ductile cast iron body, spigot ends, ZURN model Z-1095, bituminous coating	ANSI-ASME B16.3-1992	
Notes:					