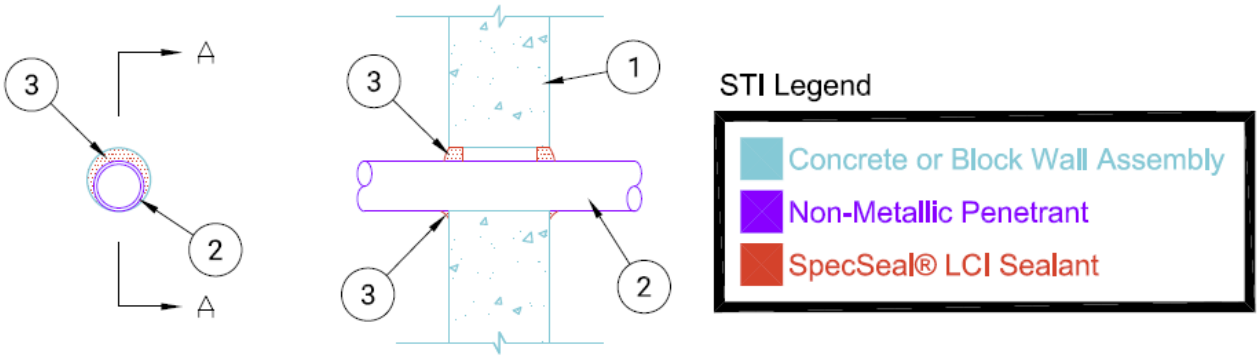
QAI DESIGN F505-A-1 – SPECIFIED TECHNOLOGIES INC. (STI)

CAN/ULC S115 - WALL DESIGN

PENETRANT TYPE	RATING MINUTES CAN/ULC S115 (50 Pa)			
	F	FH	FT	FTH
2(a) Sch 40 PVC	60	0	45	0
2(b) SDR 9 PEX	60	0	0	0



Section A-A

No.	COMPONENT	DESCRIPTION	
1	Substrate	Type:	Minimum 127 mm (5 in.) thickness reinforced concrete wall, or concrete block wall designed and installed in accordance with the applicable code.
		Opening:	Maximum 64 mm (2-1/2 in.) diameter.
2	Penetrant	Approved Penetrants:	(a) Schedule 40 Polyvinyl Chloride (PVC) Pipe – Open System (b) SDR 9 Cross Linked Polyethylene (PEX) Tubing – Open System
		Penetrant Size:	Maximum 38 mm (1-1/2 in.) diameter.
		Installed Annular Space:	(a) 0 mm (0 in., point contact) to 15 mm (0.59 in.) (b) 0 mm (0 in., point contact) to 22 mm (0.87 in.)
		Installation:	Penetrant to be installed eccentrically or concentrically within the openings. Penetrant is required to be rigidly supported on both sides of the wall assembly.
3	Firestop System	Approved Firestop:	SpecSeal® LCI Sealant.
		Installation:	SpecSeal® LCI Sealant is applied at minimum 16 mm (5/8 in.) depth installed into the opening filing the gap around the penetrant and built up to a nom 6 mm (1/4 in.) past the surface of the wall on both sides of the wall. 6 mm (1/4 in.) diameter bead of sealant installed at point contact locations.
4	Packing Material[1] (Optional Not Shown)	Type:	Polyethylene backer rod, mineral wool, glass fiber batt or ceramic fiber.
		Installation:	Packing material is approved for friction fit into annular space.

Note: Installation is to be in accordance with the above design listing, the applicable code, and the manufacturer's installation instructions for ensuring ratings noted are achieved.