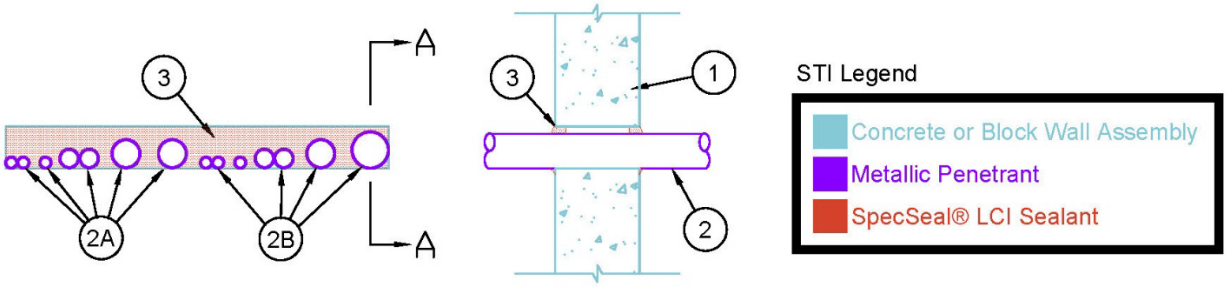
QAI DESIGN F505-A-5 – SPECIFIED TECHNOLOGIES INC. (STI)

CAN/ULC S115 - WALL DESIGN

PENETRANT TYPE	RATING MINUTES CAN/ULC S115 (2.5 Pa)			
	F	FH	FT	FTH
2(a) Aluminum EMT	60	0	15	0
2(b) Steel Pipe	60	0	15	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.) x 578 mm (22-3/4 in.)
2	Penetrant	Approved Penetrants:	(a) Aluminum electrical metallic tubing (EMT) – Open System (b) Steel pipe schedule 10 or heavier
		Penetrant Size:	(a) Maximum 38 mm (1-1/2 in.) diameter. (b) Maximum 51 mm (2 in.) diameter.
		Installed Annular Space:	0 mm (0 in., point contact) minimum to 25 mm (1 in.) maximum between penetrants and between penetrants and 0 mm (0 in., point contact) minimum to 59 mm (2-5/16 in.) maximum to the periphery of the opening.
		Installation:	Penetrants to be installed within the opening. Penetrants 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.) diam 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 to be friction fit into the annular space and recessed to accommodate for the sealant (Item 3).

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.