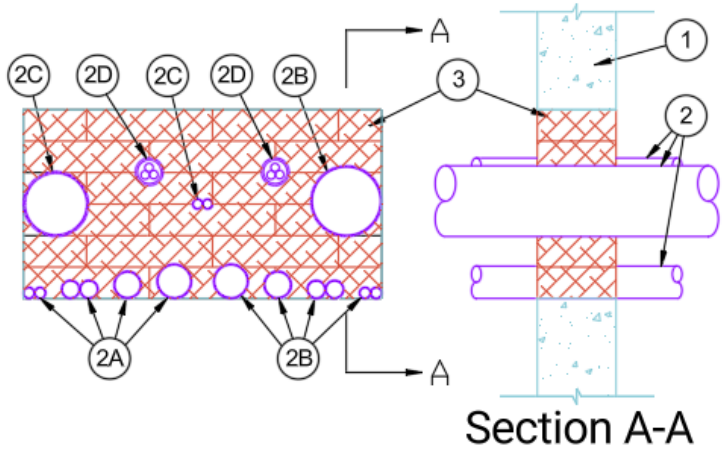
QAI DESIGN F505-A-7 – SPECIFIED TECHNOLOGIES INC. (STI)

CAN/ULC S115 / ASTM E814 - WALL DESIGN

PENETRANT TYPE	RATING MINUTES					
	ASTM E814		CAN/ULC S115 (2.5 Pa)			
	F	T	F	FH	FT	FTH
2(a) Aluminum EMT	120	0	120	120	0	0
2(b) Steel Pipe	120	0	120	120	0	0
2(c) Copper Tubing	120	0	120	120	0	0
2(d) TEK Cable	120	0	120	120	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 304 mm (12 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 (c) Copper tubing Type L or heavier (d) Max 2/0 AWG copper conductor PVC jacketed aluminum clad or steel clad 3C TEK cable.
		Penetrant Size:	(a) Maximum 51 mm (2 in.) diameter. (b) Maximum 102 mm (4 in.) diameter. (c) Maximum 102 mm (4 in.) diameter.
		Installed Annular Space:	0 mm (0 in., point contact) minimum to 260 mm (10-1/4 in.) maximum between penetrants and periphery of the opening. 0 mm (0 in.) minimum to 260 mm (10-1/4 in.) maximum between penetrants.
		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® SBR Firestop Block
		Installation:	SpecSeal® SBR Firestop Blocks Installed with the 127 mm (5 in.) or 203 mm (8 in.) dimension of the blocks projecting through the opening and centered within the wall.
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.