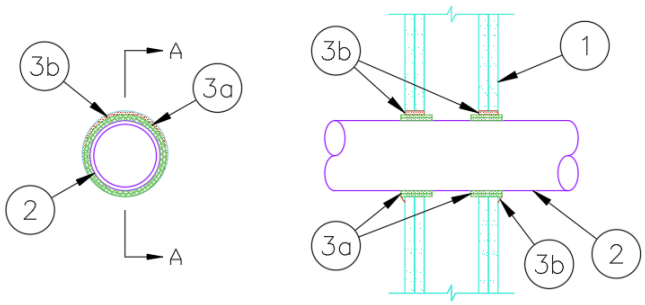
QAI DESIGN F505-D-8 – SPECIFIED TECHNOLOGIES INC. (STI)

CAN/ULC S115 - WALL DESIGN

PENETRANT TYPE	SPECSEAL® LCI DEPTH	RATING MINUTES CAN/ULC S115 (2.5 Pa)			
		F	FH	FT	FTH
2(a) 4" CPVC or Aquarise CPVC or Schedule 80 PVC	16 mm (5/8")	60	0	60	0
2(b) Max 3" CPVC or Aquarise CPVC or Schedule 80 PVC	16 mm (5/8")	60	0	30	0
2(a) 4" CPVC or Aquarise CPVC or Schedule 80 PVC	32 mm (1-1/4")	120	0	45	0
2(b) Max 3" CPVC or Aquarise CPVC or Schedule 80 PVC	32 mm (1-1/4")	120	0	120	0



Section A-A

STI Legend

- Gypsum Wall Assembly
- Non-Metallic Penetrant
- SpecSeal® SSW1000EX Wrap Strip
- SpecSeal® LCI Sealant

No.	COMPONENT	DESCRIPTION	
1	Substrate	Type:	2-hour wood or steel stud and gypsum wall assembly designed and installed in accordance with the applicable code.
		Opening:	Maximum 140 mm (5.5 in.) diameter
2	Penetrant	Approved Penetrants:	CPVC SDR11 Pipe or Schedule 80 – Open System CPVC Aquarise SDR11 Pipe – Open System
		Penetrant Size:	Maximum 102 mm (4 in.) diameter.
		Installed Annular Space:	(a) For 102 mm (4 in.) pipes, 10 mm (3/8 in.) minimum and 16 mm (5/8 in.) maximum. (b) For 76 mm (3 in.) pipes (or smaller), 5 mm (3/16 in.) minimum and 8 mm (5/16 in.) maximum.
		Installation:	Penetrant to be installed within the opening. Penetrant required to be rigidly supported on both sides of the wall assembly.

No.	COMPONENT	DESCRIPTION	
3	Firestop System	Approved Firestop:	(a) SpecSeal® SSW1000EX Wrap Strip (b) SpecSeal® LCI Sealant
		Installation:	SpecSeal® SSW1000EX wrapped around pipe and held in place with tape. Wrap strip to protrude 6 mm (1/4 in.) past the surface of the wall on both sides of the wall. (a) For 102 mm (4 in.) pipes - 2 layers of SpecSeal® SSW1000EX (b) For 76 mm (3 in.) pipes (or smaller) – 1 layer of SpecSeal® SSW1000EX SpecSeal® LCI Sealant is installed into the opening filling the gap around the penetrant on both sides of the wall. Sealant applied at min 16 mm (5/8 in.) depth for a 1-hour rating or 1-1/4 in. for a 2-hour rating. 6 mm (1/4 in.) diam bead of sealant installed at wrap strip and wall interface.

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.