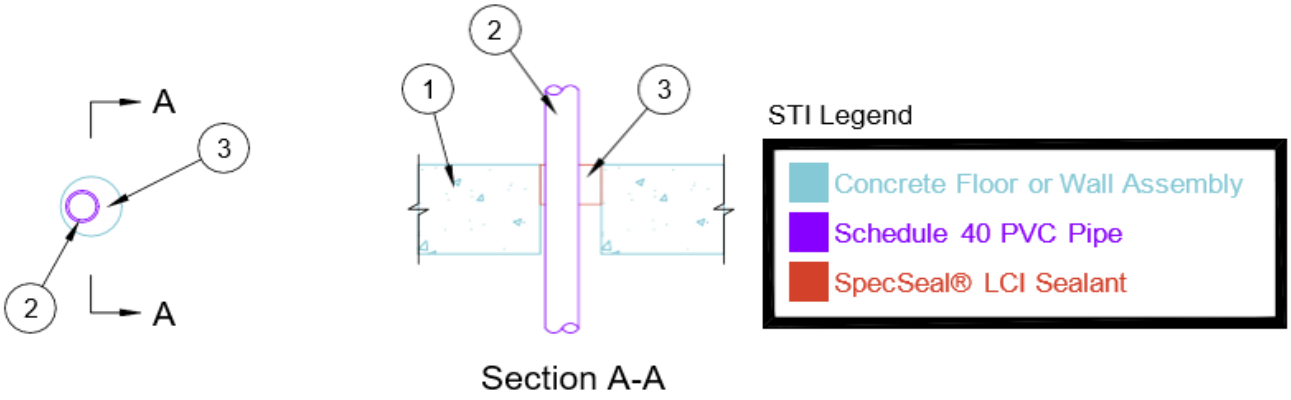
QAI DESIGN F505-C1 – SPECIFIED TECHNOLOGIES INC. (STI)

CAN/ULC S115 / ASTM E814 - FLOOR / CEILING AND WALL DESIGN

RATING MINUTES					
ASTM E814		CAN/ULC S115 (50 Pa)			
F	T	F	FH	FT	FTH
120	45/60[1]	120	120	45/60[1]	45/60[1]



Section A-A

No.	COMPONENT	DESCRIPTION	
1	Substrate: Floor / Ceiling or Wall Assembly	Type:	Minimum 114 mm (4-1/2 in.) thickness concrete floor or 127 mm (5 in.) thickness reinforced concrete wall, designed and installed in accordance with the applicable code.
		Opening:	Maximum 76 mm (3 in.) diameter.
2	Penetrant	Approved Penetrant:	Schedule 40 Polyvinyl Chloride (PVC) Pipe – Open System
		Penetrant Size:	Maximum 38 mm (1 ½ in.) diameter.
		Installed Annular Space:	6 mm (1/4 in.) to 22 mm (7/8 in.).
		Installation:	Penetrant to be installed eccentrically or concentrically within the concrete substrate. Penetrant is required to be rigidly supported on both sides of the concrete substrate.
3	Firestop System	Approved Firestop:	SpecSeal® LCI Sealant.
		Installation:	SpecSeal® LCI Sealant is applied at minimum 51 mm (2 in.) depth, flush with the top surface of substrate in floor / ceiling applications, or flush with both surfaces in wall applications.
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 1: 60 minutes T-rating requires packing material as component of the firestop assembly. Packing for T-rating is restricted to mineral wool, glass fiber batt or ceramic fiber material types. Otherwise, T-rating is 45 minutes.
Note 2: 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.