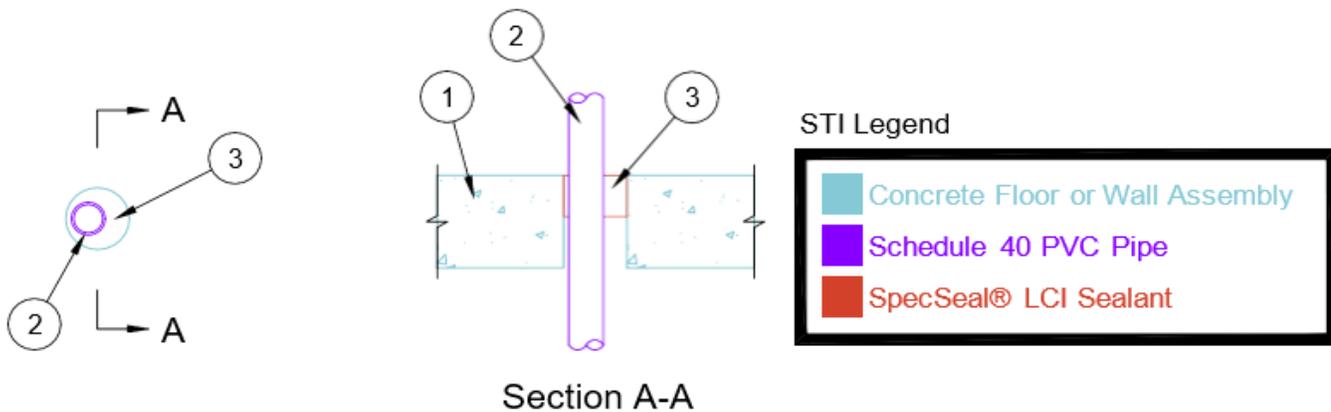


QAI DESIGN F505-1a – SPECIFIED TECHNOLOGIES INCORPORATED (STI)

FLOOR / CEILING AND WALL DESIGN

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

RATING MINUTES						
ASTM E815			CAN/ULC S115 (50 Pa)			
F	T	RATING	F	T	H	RATING
120	45/60 ¹	120 F	120	45/60 ¹	Y	120 FH



No.	COMPONENT	DESCRIPTION	
1	Substrate: Floor / Ceiling or Wall Assembly	Type:	Minimum 114 mm (4-1/2 inches) thickness concrete floor or 127 mm (5 inches) thickness reinforced concrete wall, designed and installed in accordance with the applicable code.
		Opening:	Maximum 76 mm (3 inches) diameter.
2	Penetration	Approved Penetrations	Schedule 40 Polyvinyl Chloride (PVC) Pipe
		Penetration Size:	Maximum 38 mm (1 ½ inches) diameter.
		Installed Annular Space	6 mm (1/4 inches) to 22 mm (7/8 inches).
		Installation:	Penetration to be installed eccentrically or concentrically within the concrete substrate. Penetration is required rigidly supported on both sides of the concrete substrate.
3	Firestop System	Approved Firestop:	STI SpecSeal® LCI Intumescent Sealant.
		Installation	SpecSeal® LCI Intumescent Sealant is applied at minimum 51 mm (2 inches) 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 minute 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.