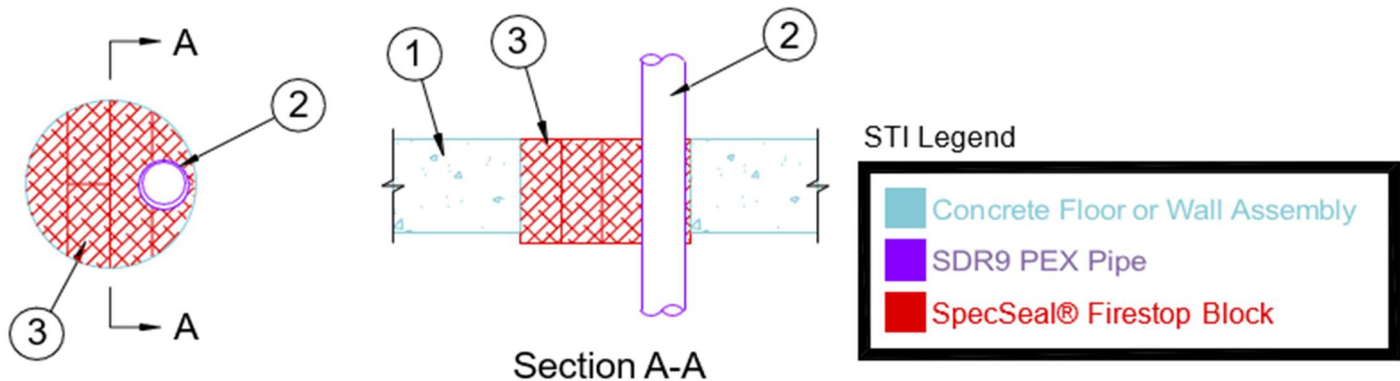


QAI DESIGN F505-C-2 – SPECIFIED TECHNOLOGIES INC. (STI)

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	0	120	120	0	0



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 203 mm (8 inches) diameter.
2	Penetration	Approved Penetrations:	SDR9 PEX Pipe.
		Penetration Size:	Maximum 51 mm (2 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:	SpecSeal® Firestop Blocks.
		Installation:	SpecSeal® Firestop Blocks are installed with 127 mm (5 in.) or 203mm (8 in.) projecting through opening, flush with the top surface of the floor or centered within the thickness of the wall assembly.

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.