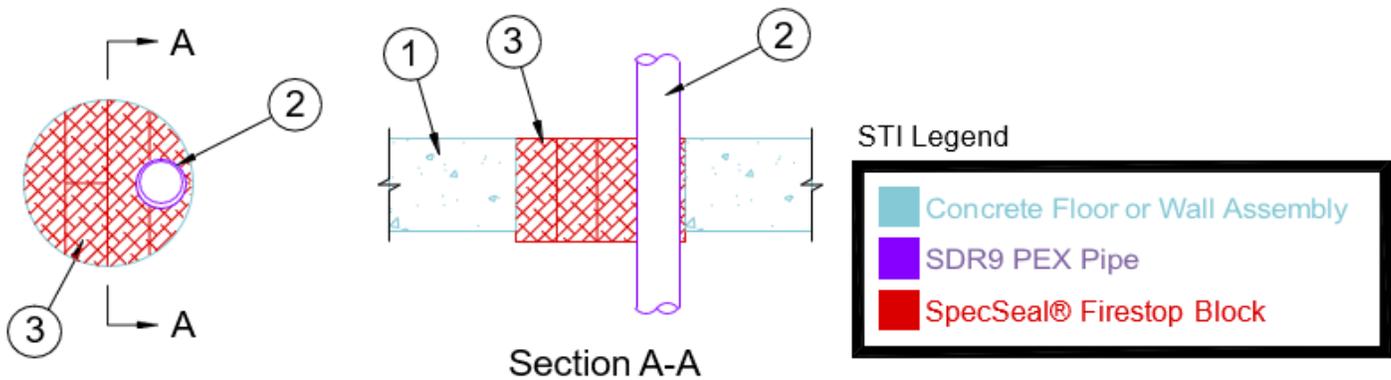


**QAI DESIGN F505-2a – SPECIFIED TECHNOLOGIES INCORPORATED (STI)**

**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	-	120 F	120	-	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 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:	STI SpecSeal® SBR Firestop Blocks.
		Installation	SpecSeal® SBR 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.