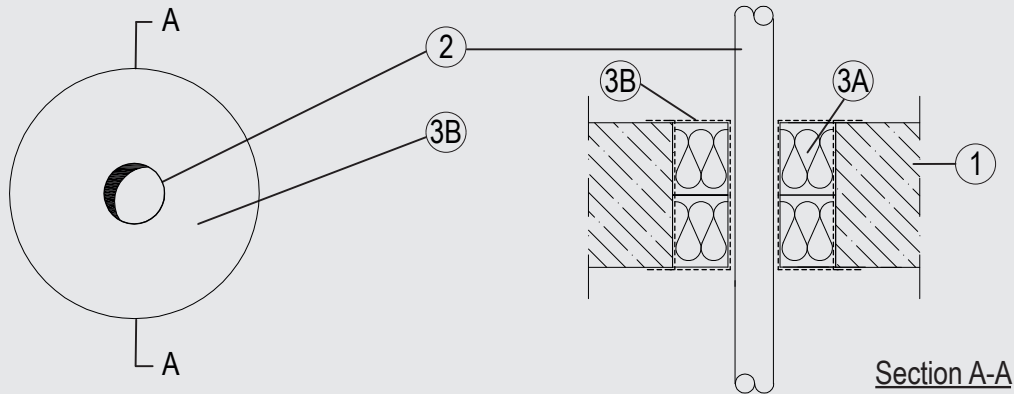


Through-penetration Firestop Systems

System No. F-A-1150

ANSI/UL1479 (ASTM E814)	CAN / ULC S115
F Rating — 3 Hr	F Rating – 3 Hr
T Rating — 0 Hr	FT Rating – 0 Hr
	FH Rating – 3 Hr
	FTH Rating – 0 Hr



1. Floor Assembly

Lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete, min thickness of solid concrete floor assembly is 4-1/2 in. (115 mm). Opening shall be circular or rectangular with max diameter or dimensions of 5-1/4 in. (132 mm).

2. Through-Penetrant

One penetrant to be installed within the opening. The annular space between the penetrant and the periphery of the opening to be a nom 2 in (50 mm). Penetrant to be rigidly supported on both sides of the floor assembly. The following penetrants may be used:

- Nominal 1-1/4 in. (32 mm) diameter (or smaller) Type M (or heavier) copper tube.
- Nominal 1-1/4 in. (32 mm) diameter (or smaller) Schedule 10 (or heavier) steel pipe.

3. Firestop System

The Through-Penetration Firestop System shall consist of the following:

- Packing Material — Nom. 2-3/8 in. (60 mm) thick mineral wool board min. 9.3 pcf (150 kg/m³) firmly packed into the opening of the floor as a permanent form. Packing material to be installed flush with both surfaces of floor.
- Fill, Void or Cavity Material* — Min. 1/16 in. (2 mm) dry film thickness to be applied inside the aperture before installation and over the full surface of the mineral wool boards, and overlapping onto the concrete by min. 3/4 in. (20 mm).

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*Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

Please contact us for further information:

Information: global@svt.de Order: order@svt.de
+49 4105-40 90-0