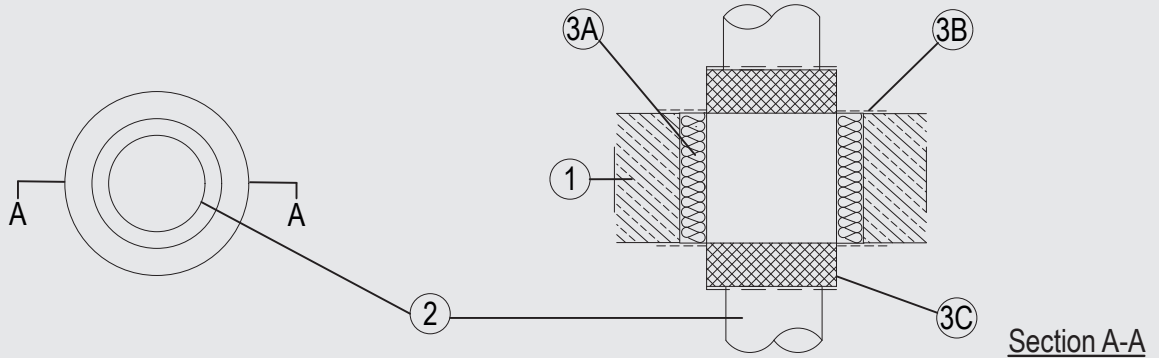


Through-penetration Firestop Systems

System No. C-AJ-1680

ANSI/UL1479 (ASTM E814)	CAN / ULC S115
F Rating – 3 Hr	F Rating – 3 Hr
T Rating – 1/2 Hr	FT Rating – 1/2 Hr
	FH Rating – 3 Hr
	FTH Rating – 1/2 Hr



1. Wall and Floor Assembly

Min. 4-1/2 in. (115 mm) thick lightweight or normal weight (100-150 pcf or 1600 - 2400 kg/m³) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Opening shall be circular with max diameter of 6-3/8 in. (162 mm). See Concrete Blocks (CAZT) in the Fire Resistance Directory for names of manufacturers.

2. Pipes/ Tubes

Single to be installed within the opening. The annular space between the CT and the periphery of the opening to be 1 in (25 mm). Pipes to be rigidly supported on both sides of the floor or wall assembly.

The following penetrants may be used:

- A. Max 3-1/2 in. (89 mm) diameter Schedule 10 (or heavier) steel pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

3. Firestop System

The Firestop System shall consist of the following:

- A. Packing material – 2 layers 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 or wall as a permanent form.
- B. 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 wall by min. 3/4 in. (20 mm).
Flamro Brandschutz-Systeme GmbH – FLAMMOTECT-A
- C. Firestop Device* – 7-7/8 in. (200 mm) long pipe wrap positioned centrally within the seal and wrapped around the pipe.
Flamro Brandschutz-Systeme GmbH – Cable Tube

*Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively. Reprinted from Product iQ with permission from UL Solutions. ©2024 UL LLC.