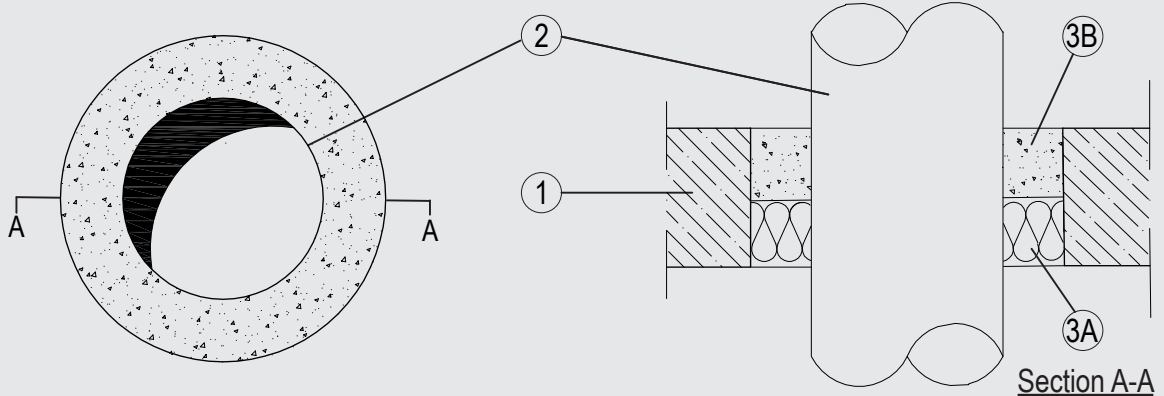


Through-penetration Firestop Systems

System No. C-AJ-1681

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 rectangular or circular with max dimensions of 10-1/4 in. (259 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 pipes and the periphery of the opening to be 2 in (50 mm). Pipes to be rigidly supported on both sides of the wall or floor assembly. The following penetrants may be used:

- A. Max 6-1/4 in. (159 mm) diameter Schedule 10 (or heavier) steel pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

3. Through-Penetration Firestop System

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

- A. 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 flush to the bottom face of the floor or one face of the wall.
- B. Fill, Void or Cavity Material* — Nom 2-1/8 in. (55 mm) cast in to aperture in the floor or wall over the packing material and around the services.

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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.

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