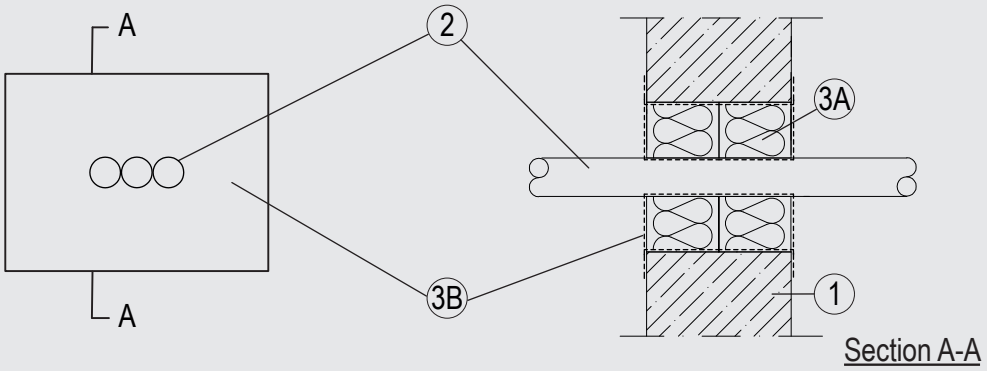
Through-penetration Firestop Systems

System No. W-J-1262

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



1. Wall Assembly

Min 4-1/2 in. (115 mm) thick lightweight or normal weight (100-150 pcf or 1600-2400 kg/m^3) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Opening shall be rectangular with max dimensions of 4-1/2 in. (116 mm) by 5-7/8 in. (148 mm). Opening shall be rectangular with max dimensions of 4-1/2 in. (116 mm) by 5-7/8 in. (148 mm). See Concrete Blocks (CAZT) category in Fire Resistance Directory for names of manufacturers.

2. Pipes

Single or tight bundle to be installed within the opening. Aggregate cross-sectional area of pipes in opening to have a visual fill of min 0% to max 3.49%. The annular space between the pipes and the periphery of the opening to be nom 2 in (50 mm). Pipes to be rigidly supported on both sides of the wall assembly. The following pipes may be used:

A. Nom 5/8 in. (17 mm) diameter (or smaller) Schedule 40 (or heavier) steel pipe.

3. Firestop System

The Firestop System shall consist of the following:

A. Packing Material — Nom. 2-3/8 in. (60 mm) thick mineral wool boards min. 9.3 pcf (150 kg/m^3) firmly packed into the opening of the wall as a permanent form. Packing material to be installed flush with both surfaces of wall.

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**

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

+49 6746 9410-0 info@flamro.com