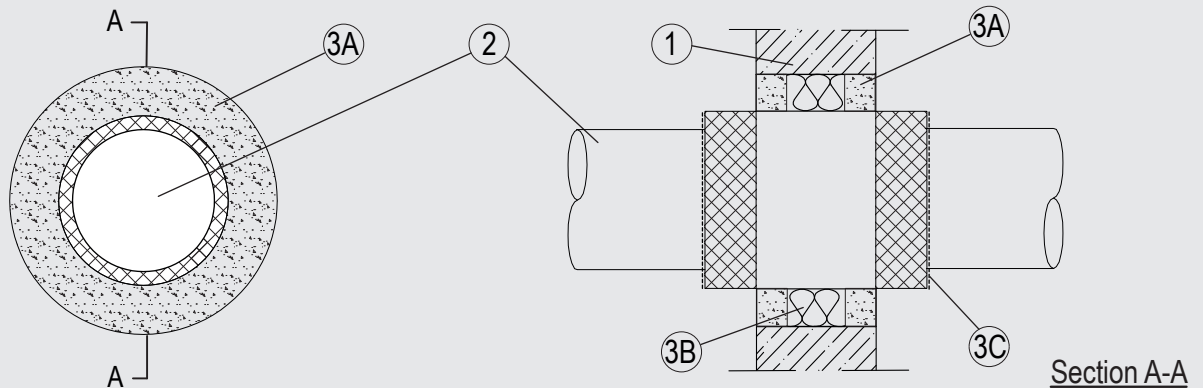


# Through-penetration Firestop Systems

## System No. W-J-1326

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



### 1. Wall Assembly

Min. 4-1/2 in. (115 mm) thick lightweight or normal weight (100-150 pcf or 1600 - 2400 kg/m<sup>3</sup>) concrete. Wall may also be constructed of any UL Classified Concrete Blocks\*. Opening shall be rectangular or circular with max dimensions of 2.1 in. (52 mm). See Concrete Blocks (CAZT) in the Fire Resistance Directory for names of manufacturers.

### 2. Tubes

Single to be installed within the opening. The annular space between the PYRO-SAFE CT and the periphery of the opening to be 1 in (25 mm). Pipes to be rigidly supported on both sides of the 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 Through-Penetration Firestop System shall consist of the following:

- A. Packing Material — Min. 2-3/5 in. (65 mm) thickness of min. 4 pcf (64 kg/m<sup>3</sup>) mineral wool batt insulation or loose wool firmly packed into the opening as a permanent form. Packing material to be recessed from both surfaces of wall to accommodate the required thickness of fill material.
- B. Fill, Void or Cavity Material\* — Min 0.4 in. (10 mm) width and min 1 in. (25 mm) depth on both sides between the wall and the pipe.  
svt BRANDSCHUTZ VERTRIEBSGESELLSCHAFT MBH INTERNATIONAL — PYRO-SAFE FLAMMOTECT-A, Filler
- C. Firestop Device\* — 7-7/8 in. (200 mm) long pipe wrap positioned centrally within the seal and wrapped around the cables.  
svt BRANDSCHUTZ VERTRIEBSGESELLSCHAFT MBH INTERNATIONAL — PYRO-SAFE CT

\*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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