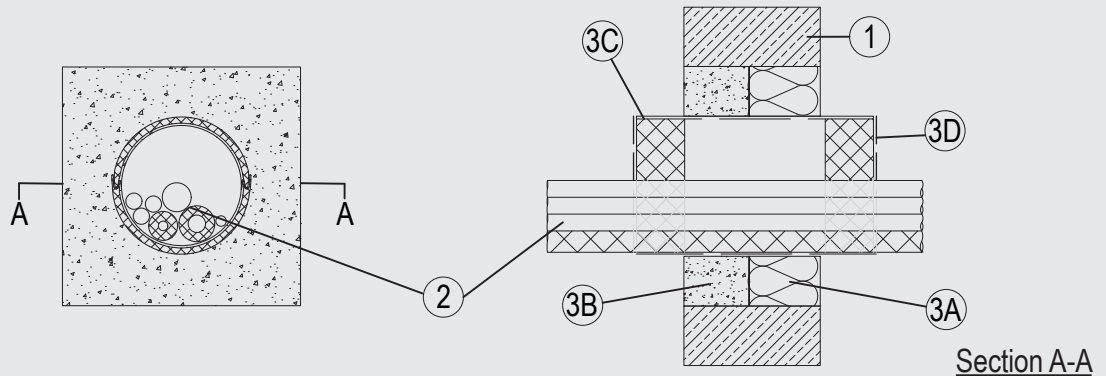


# Through-penetration Firestop Systems

## System No. W-J-8077

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



Section A-A

### 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 circular or rectangular with max diam or dimensions of 7-7/8 in. (200 mm). See Concrete Blocks (CAZT) in the Fire Resistance Directory for names of manufacturers.

### 2. Services

'Climasplit' bundle of max diam 2 in. (50 mm) or smaller, annular space between the bundle and the periphery of the opening to be min 1-5/8 in (42 mm) max 1-5/8 in (42 mm) and containing the following services:

- 1 max 1 in. (25 mm) diam (or smaller), 1/16 in. (1.5 mm) wall thickness, PVC-U pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- 1 max 3/4 in. (18 mm) diam (or smaller), 1/16 in. (1 mm) wall thickness, Copper pipe with 9 mm PEinsulation for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- 1 max 3/8 in. (10 mm) diam (or smaller), 1/16 in. (1 mm) wall thickness, Copper pipe with 9mm PEinsulation for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- Max 5/C No. 15 AWG (1.5 mm) diam (or smaller), copper conductor cable with PVC insulation and jacket.

### 3. Firestop System

The Firestop System shall consist of the following:

- Packing material — 1 layer of Nom 2-3/8 in. (60 mm) thick mineral wool board min 9.3 pcf (150 kg/m<sup>3</sup>) firmly packed into the opening of the wall as a permanent form, flush to one face.
- Fill, Void or Cavity Material\* — Min 2-1/8 in. (55 mm) cast into the annular space between the firestop device and periphery of the opening, flush with one surface of the wall. Mortar to be mixed with water in accordance with the manufacturer's installation instructions.  
SVT BRANDSCHUTZ VERTRIEBSGESELLSCHAFT MBH INTERNATIONAL — PYRO-SAFE GFM
- Firestop Device\* — 7-7/8 in. (200 mm) long by 5-3/8" (116 mm) diam cable tube positioned centrally within the seal and around the pipes and cables.  
SVT BRANDSCHUTZ VERTRIEBSGESELLSCHAFT MBH INTERNATIONAL — PYRO-SAFE CT
- Fill, Void or Cavity Material\* — Min 1/32 in. (1 mm) dry film thickness to be applied over both ends of the Firestop Device.  
SVT BRANDSCHUTZ VERTRIEBSGESELLSCHAFT MBH INTERNATIONAL — PYRO-SAFE 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.

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