

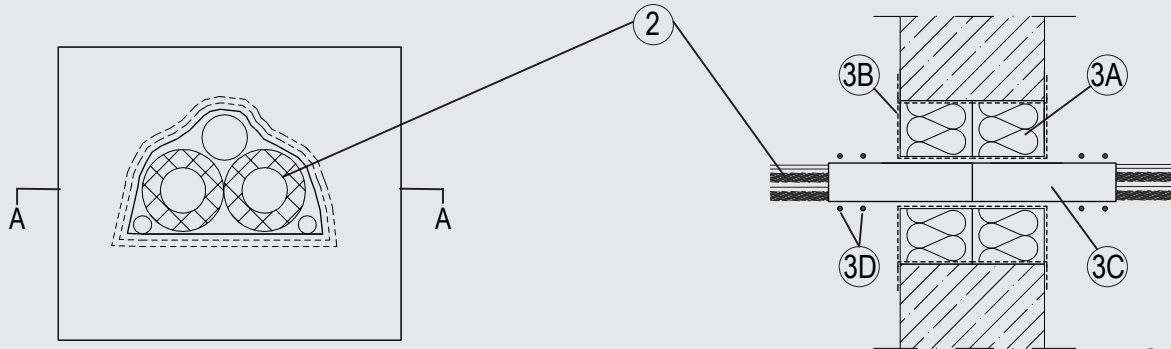
Through-penetration Firestop Systems

System No. W-J-8065

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



Section A-A

System tested with a pressure differential of 2.5 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side.

1. Wall 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 or rectangular with max diameter or dimensions of 1-1/2 in. (116 mm). See Concrete Blocks (CAZT) in the Fire Resistance Directory for names of manufacturers.

2. Services

'Climasplit' bundle of max diameter 2 in. (50 mm) or smaller, annular space between the bundle and the periphery of the opening to be 1-1/4 in (33 mm) and containing the following services:

- 1 off 1 in. (25 mm) diameter (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 off 3/4 in. (18 mm) diameter (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.
- 1 off 3/8 in. (10 mm) diameter (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) diameter (or smaller), copper conductor cable with EPR insulation and Rubber jacket.
- Max 5/C No. 15 AWG (1.5 mm) diameter (or smaller), copper conductor cable with PVC insulation and PVC jacket.

3. Firestop System

The Firestop System shall consist of the following:

- Packing material — 2 layers of 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 wall as a permanent form.
- 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). Min. 1/32 in. (1 mm) dry film thickness to be applied over the surface of the cables and tray to a minimum length of 10 in. (254 mm) from both faces of the board.
SVT BRANDSCHUTZ VERTRIEBSGESELLSCHAFT MBH INTERNATIONAL — PYRO-SAFE FLAMMOTECT A
- Fill, Void or Cavity Material* — 2 lengths of 2 layers of 1/16 in. (1.5 mm) by 5 in. (125 mm) wrap butt jointed centrally within the depth of the seal around the bundle to a total length of 10 in. (250 mm).
SVT BRANDSCHUTZ VERTRIEBSGESELLSCHAFT MBH INTERNATIONAL — PYRO-SAFE DG-CR 1.5"
- Min 24 AWG steel wire tied around 3C at nominally 1 in. (25 mm) and 2 in. (51 mm) from both faces of the seal.

*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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