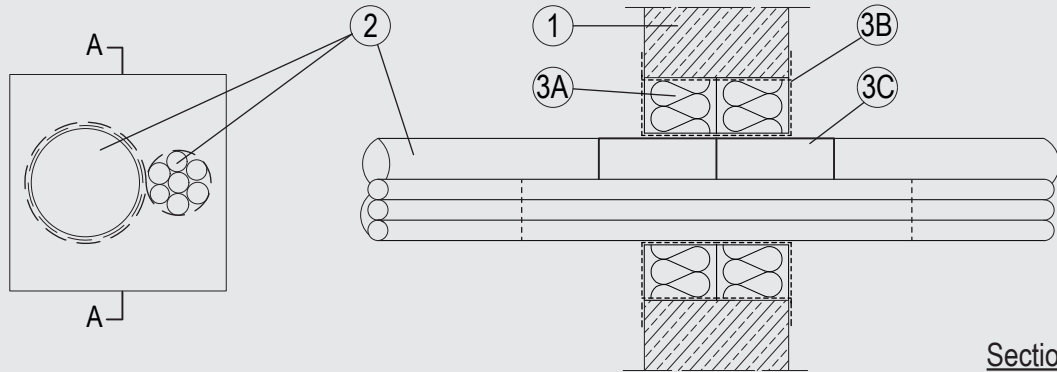


# Through-penetration Firestop Systems

## System No. W-J-8079

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

Pipe and max. 2-3/8 in. (60 mm) diameter cable bundle without separation, annular space between the service and the periphery of the opening to be 1 in (25 mm) and containing the following services:

- A. 1 max 4-3/8 in. (110 mm) diameter (or smaller), 1/8 in. (2.7 mm) wall thickness, PVC-U pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
- B. Max 12, max 20/C No. 19 AWG (0.6 mm) diam (or smaller), copper conductor telecommunication cables PE jacket.

### 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. 3.7 pcf (60 kg/m<sup>3</sup>) 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, coating the inside surface of the opening before installation of the packing material 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 8 in. (200 mm) from both faces of the board.

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- C. Fill, Void or Cavity Material\* – 2 lengths of 3 layers of 1/16 in (1.5 mm) by 4 in. (100 mm) wrap butt jointed centrally within the depth of the seal around the pipe to a total length of 10 in. (250 mm).

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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. Reprinted from Product iQ with permission from UL Solutions. ©2024 UL LLC.