

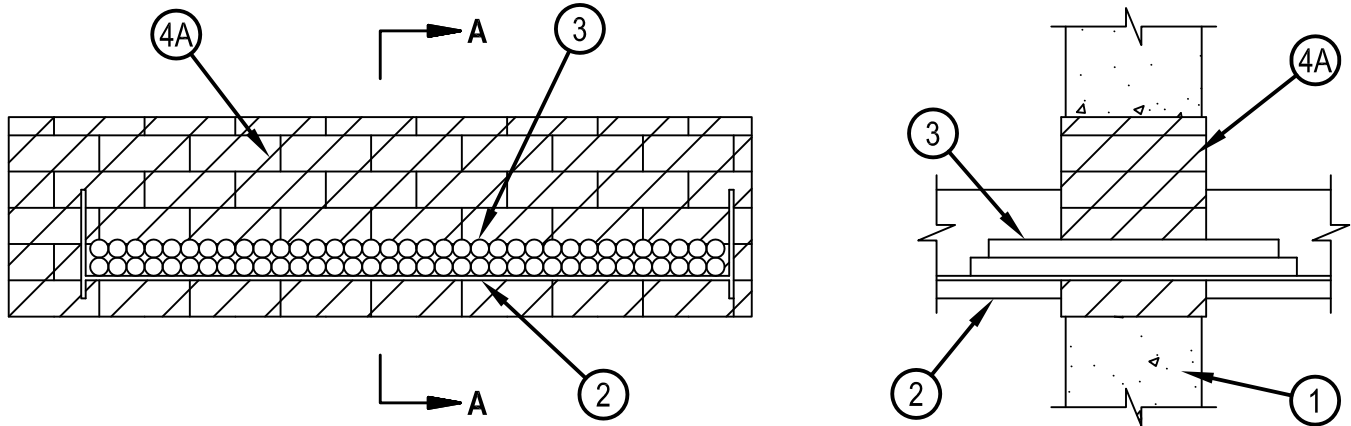


Classified by
Underwriters Laboratories, Inc.
to UL 1479 and CAN/ULC-S115

System No. W-J-4060

WJ 4060

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 4 Hr	F Rating — 4 Hr
T Rating — 0 Hr	FT Rating — 0 Hr
	FH Rating — 4 Hr
	FTH Rating — 0 Hr



SECTION A-A

1. Wall Assembly — Min 7-1/2 (191 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of min 7-5/8 in. (194 mm) thick UL Classified Concrete Blocks*. Max area of opening is 451 in² (0.29 m²) with max dimension of 41 in. (1.04 m).

See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. Cable Tray* — Max 36 in. (914 mm) wide by 6 in. (152 mm) deep open-ladder cable tray with channel-shaped side rails formed of 0.067 in. (1.7 mm) thick aluminum and with 1-1/2 in. (38 mm) wide by 3/4 in. (19 mm) deep channel-shaped rungs spaced 10 in. (254 mm) OC. One cable tray to be installed concentrically or eccentrically in the opening. The annular space between the periphery of the opening and the cable tray shall be min 1 in. (25 mm) to max 4 in. (102 mm). Cable tray to be rigidly supported on both sides of wall assembly.

3. Cables — Aggregate cross-sectional area of cables in cable tray to be max 40 percent of the cross-sectional area of the cable tray based on a max 6 in. (152 mm) cable loading depth within the cable tray. Any combination of the following types and sizes of cables may be used:

- A. 300 pair — No. 24 AWG telephone cable with polyvinyl chloride (PVC) insulation and jacket.
- B. 1/C - 500 kcmil with thermoplastic insulation and nylon jacket.
- C. 24 fiber optic cable with PVC outer and subunit jacket.
- D. 7/C No. 12 AWG cable with PVC insulation and jacket.

4. Firestop System — The firestop system shall consist of the following:

A. Fill, Void or Cavity Material* — Fire blocks installed with long dimension passed through the opening from surface to surface. Blocks to be firmly packed and completely fill the entire opening. Either one or a combination of the block types specified below may be used.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS 657 Fire Block or CFS-BL Firestop Block

B. Fill, Void or Cavity Material* — Sealant — Fill material to be forced into interstices of cables, between cables and cable tray and between the FS-Fire Blocks and in obvious openings between blocks, and between blocks and the periphery of the opening to the max extent possible on both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant, FS-ONE MAX Intumescent Sealant, or CP 618 Firestop Stick Putty

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



Hilti Firestop Systems

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January 21, 2015