

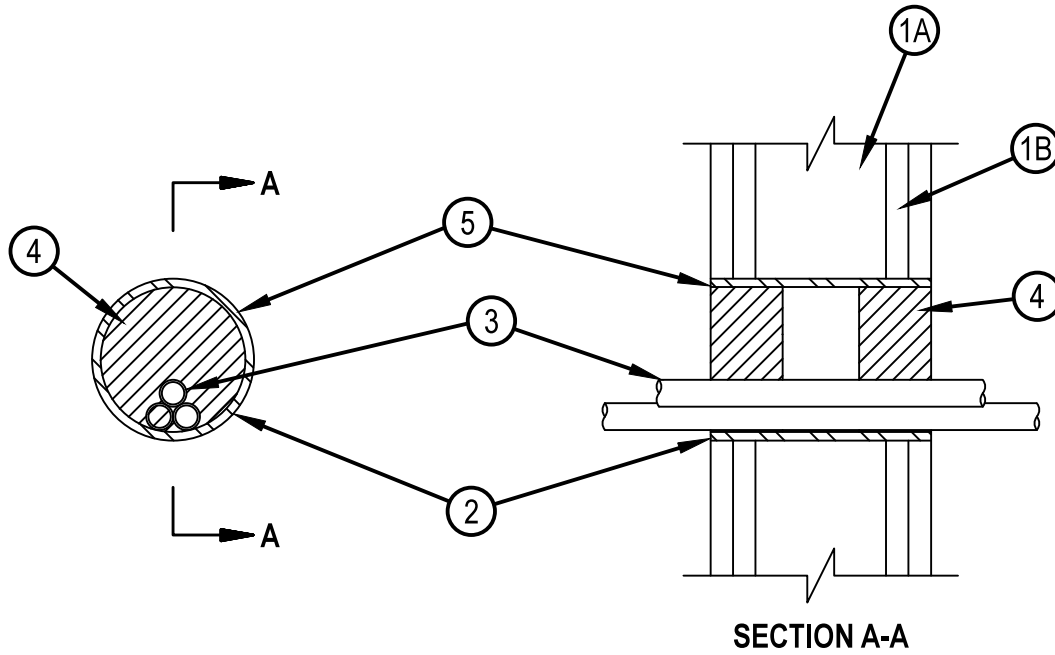


Classified by
Underwriters Laboratories, Inc.
to UL 1479 and CAN/ULC-S115

System No. W-L-3079

WL 3079

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 1)	F Ratings — 1 and 2 Hr (See Item 1)
T Rating — 0 Hr	FT Rating — 0 Hr
L Rating At Ambient — 5 CFM/sq ft	FH Ratings — 1 and 2 Hr (See Item 1)
L Rating At 400 F — 2 CFM/sq ft	FTH Rating — 0 Hr
	L Rating At Ambient — 5 CFM/sq ft
	L Rating At 400 F — 2 CFM/sq ft



- Wall Assembly — The 1 or 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
 - Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 in. (51 mm) by 4 in. (102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.
 - Gypsum Board* — 5/8 in. (16 mm) thick, 4 ft (1219 cm) wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 4 in. (102 mm).

The hourly Fand FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
- Metallic Sleeve — (Optional) — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT) or Schedule 5 (or thinner) steel pipe friction fit into wall assembly, and installed flush with wall surfaces.
- Cables — Aggregate cross-sectional area of cables in opening to be max 28 percent of the cross-sectional area of the opening. The annular space between the cable bundle and the periphery of the opening to be min 0 in. (point contact) to max 2 in. (51 mm). Cables to be rigidly supported on both sides of the wall assembly. Any combination of the following types and sizes of copper conductor cables may be used:
 - Max 7/C-No. 12 AWG with polyvinyl chloride (PVC) insulation and jacket.
 - Max 25 pair No. 24 AWG telephone cable with PVC insulation and jacket.
 - Type RG 59/U coaxial cable with polyethylene (PE) insulation and PVC jacket.
 - Multiple fiber optical communication cable jacketed with PVC and having a max OD of 5/8 in. (16 mm).



Hilti Firestop Systems

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4. Fill, Void or Cavity Material* — Min 2 in. (51 mm) thick pre-trimmed block, cut to allow for passage of penetrant and firmly pressed into both sides of steel sleeve, flush with both surfaces of wall.

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

5. Fill, Void or Cavity Material* — Installed on both sides of the wall. Fill material to be forced into interstices of cables, between cables and sleeve, between cables and blocks and where obvious voids are observed. Additional fill material applied at periphery lapping a min 1/2 in. (13 mm) beyond periphery.

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

+Bearing the UL Listing Mark

* 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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