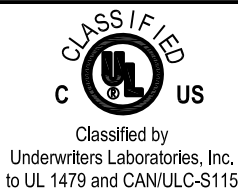
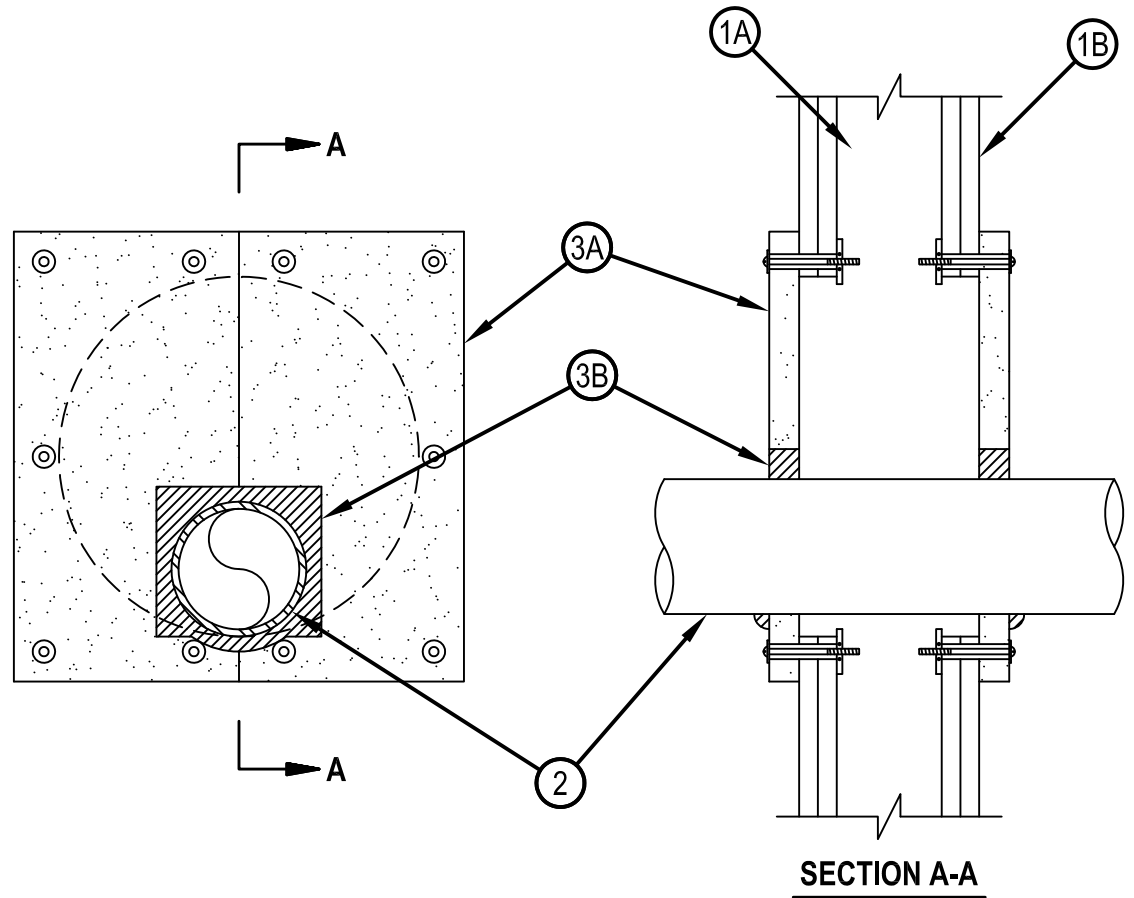


System No. W-L-1367



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 — 2/4 Hr	FT Rating — 1/4 Hr
L Rating At Ambient - 1 CFM/sq ft	FH Ratings — 1 and 2 Hr (See Item 1)
L Rating At 400 F - Less Than 1 CFM/sq ft	FTH Rating — 1/4 Hr
	L Rating At Ambient - 1 CFM/sq ft
	L Rating At 400 F - Less Than 1 CFM/sq ft



1. 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 if the individual U300, U400, V400 or W400 Series Wall and Partition Designs in the Fire Resistance Directory and shall include the following construction features:
- A. Studs — Wall framing shall consist of either wood studs or channel shaped steel studs. Wood studs to consist of 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide, fabricated from min 25 MSG galvanized steel, spaced max 24 in. (610 mm) OC.
 - B. Gypsum Board* — Min 5/8 in. (16 mm) thick with square or tapered edges. The gypsum board type, number of layers and sheet orientation shall be as specified in the individual Wall and Partition Design Number. Max diam of opening is 17 in. (432 mm). The hourly F, FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.



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WL 1367

2. Through Penetrants — One metallic pipe, conduit or tubing installed either concentrically or eccentrically within the firestop system. The annular space between pipe, conduit or tubing and periphery of opening shall be min 0 in. (0 mm, point contact) to max 8 in. (203 mm). Pipe, conduit or tubing to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:
- A. Steel Pipe — Nom 8 in. (203 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.
 - B. Iron Pipe — Nom 8 in. (203 mm) diam (or smaller) cast or ductile iron pipe.
 - C. Conduit — Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT) or nom 6 in. rigid steel conduit.
 - D. Copper Tubing — Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tubing.
 - E. Copper Pipe — Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.
3. Firestop System — The firestop system shall consist of the following:
- A. Firestop Device* - Board — Board to be cut in half and installed to wrap around penetrant. Min 1/2 in. (13 mm) bead of fill material (Item 3B) to be applied to cut edge of board prior to butting together. Board installed on each side of wall with min 1 in. (25 mm) overlap onto wall. Board cut to rectangular shape within 1 in. (25 mm) of penetrant. The min annular space between board and penetrant shall be 0 in. (0 mm, point contact). Board to be attached around entire perimeter using 1/4 in. (6 mm) diam by 3 in. (76 mm) long steel toggle bolts along with min 3/4 in. (19 mm) diam steel washers. Bolts to be located at each corner of each cut board and spaced max 6 in. (152 mm) OC in between.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 675T Firestop Board
 - B. Fill, Void or Cavity Material* - Sealant — Min 1/2 in. (13 mm) bead of fill material to be applied to cut edge of board (Item 3A) prior to butting together. Min 1 in. (25 mm) depth of fill material applied in annular space between penetrant and board. Min 1/2 in. (13 mm) bead of fill material applied at point contact location between penetrant and board.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant, FS-ONE MAX Intumescent Sealant
- * 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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