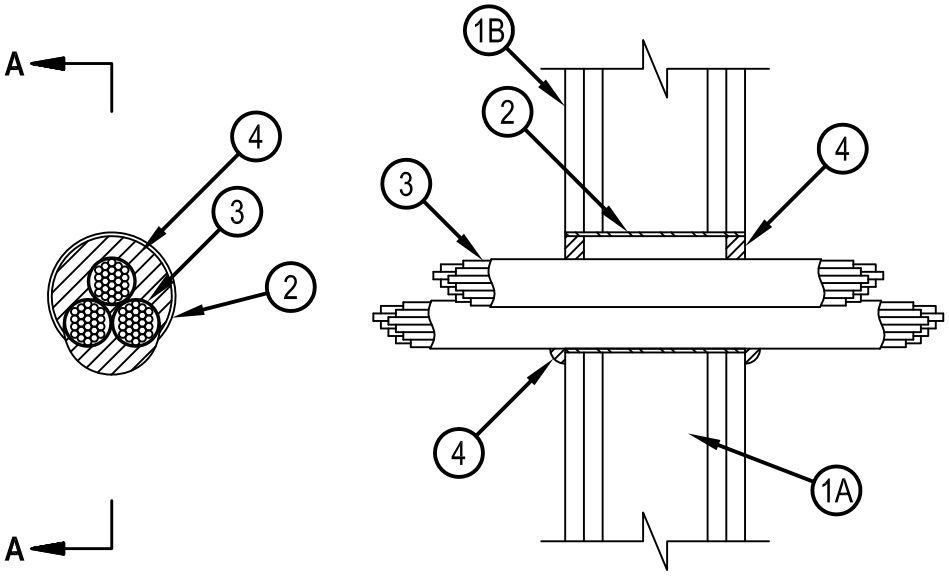
Classified by
Underwriters Laboratories, Inc.
to UL 1479 and CAN/ULC-S115

System No. W-L-2567

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 Ratings — 0 and 1 Hr (See Items 1 and 2)	FT Ratings — 0 and 1 Hr (See Items 1 and 2)
	FH Ratings — 1 and 2 Hr (See Item 1)
	FH Ratings — 1 and 2 Hr (See Item 1)
	FTH Ratings — 0 and 1 Hr (See Items 1 and 2)



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 — 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:
   A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.
   B. Gypsum Board* — One or two layers of gypsum board, as specified in the individual Wall and Partition Design. Max diam of opening 5-1/2 in. (140 mm) when sleeve (Item 2) is used. When sleeve is not used, max diam of opening is 4 in. (102 mm).
   The hourly F and FH Ratings of the firestop system are equal to the hourly rating of the wall assembly in which it is installed. The hourly T, FT and FTH Ratings are 0 and 1 hr for one and 2 hr fire rated assemblies, respectively.
2. Steel Sleeve — (Optional) — Nom 4 in. (102 mm) diam (or smaller) Schedule 10 (or heavier) steel sleeve or nom 4 in. (102 mm) diam (or smaller) rigid steel conduit or electrical metallic tubing. The annular space between steel sleeve and periphery of opening shall be min 0 in. (continuous point contact) to max 1 in. (25 mm). Sleeve to be flush with wall surfaces or may extend up to 12 in. (305 mm) beyond either or both wall surfaces. When sleeve extends beyond wall surface the T Rating shall be 0 Hr.
3. Cables — One max 3 in. (76 mm) diam flexible nylon Optical Fiber Raceway Assembly+ with a max of three 1-1/2 in. (38 mm) diam cells to have a max 80 percent cable fill for each cell. Aggregate cross-sectional area of bundled cables in opening to be max 60 percent of the cross-sectional area of the opening. The annular space between the cable bundle and the periphery of the opening or sleeve to be min 0 in. (point contact) to max 3 in. (76 mm). Cables to be rigidly supported on both sides of the wall assembly. Any combination of the following types and sizes of cables may be used:
   See Optical Fiber Raceway Assemblies (QAZQ) category in the Electrical Construction Directory for names of manufacturers.
   A. Max 100 pair No. 24 AWG telephone cable with polyvinyl chloride (PVC) insulation and jacket.
   B. Max 24 fiber optical fiber communication cable jacketed with PVC.
4. Fill, Void or Cavity Materials* — Putty — Min 5/8 in. (16 mm) thickness of putty installed within the sleeve or opening flush with both surfaces of the wall or both ends of sleeve. Min 5/8 in. (16 mm) thickness of fill material applied within the annulus between sleeve and periphery of opening, flush with both sides of wall. At point contact location, a min 1/2 in. (13 mm) bead of fill material shall be applied at sleeve/wall interface when sleeve extends beyond surface of wall. Additional fill material may or may not be used to fill interstices between cables.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 618 Firestop Putty Stick

*Bearing the UL Classification Mark
+Bearing the UL Listing Mark