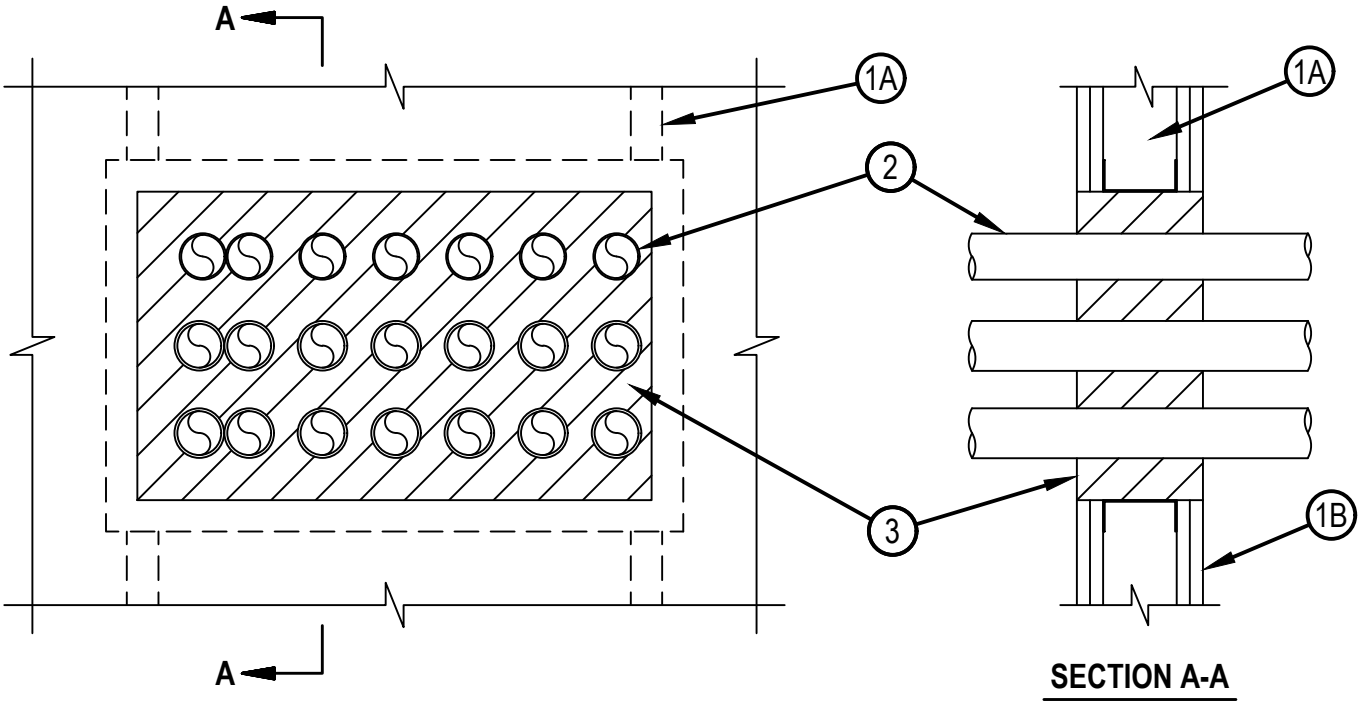
System No. W-L-1603

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

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Items 1 and 3)	F Ratings — 1 and 2 Hr (See Items 1 and 3)
T Rating – 1/2 Hr	FT Rating – 1/2 Hr
	FH Ratings — 1 and 2 Hr (See Items 1 and 3)
	FTH Rating – 1/2 Hr



SECTION A-A

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 described in the individual U400, V400 or W400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
   A. Studs —Steel studs min 3-1/2 in. (89 mm) deep, fabricated from min 25 MSG galv steel, spaced max 24 in. (610 mm) OC. Additional studs shall be used to completely frame the opening.
   B. Gypsum Board* —The gypsum board type, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max area of opening is 360 in2 (2323 cm2) with max dimension of 24-1/2 in. (622 mm).
   The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
2. Through Penetrants —One or more nom 2 in. (51 mm) diam (or smaller) rigid steel conduit or electrical metallic tubing (EMT) to be installed within the opening. The annular space between conduits or tubing shall be min 0 in. (point contact) to max 2 in. (51 mm). The annular space between conduits or tubing and periphery of opening shall be min ½ in. (13 mm) to max 2 in. (51 mm). Conduit or tubing to be rigidly supported on both sides of wall assembly.
3. Fill, Void or Cavity Material* — Foam —Fill material applied within annulus flush with both surfaces of the wall. Min fill material thickness for 1 Hr F Rating is 4-3/4 in. (121 mm). Min fill material thickness for 2 Hr F Rating is 6 in. (152 mm).
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 660 Firestop Foam

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