

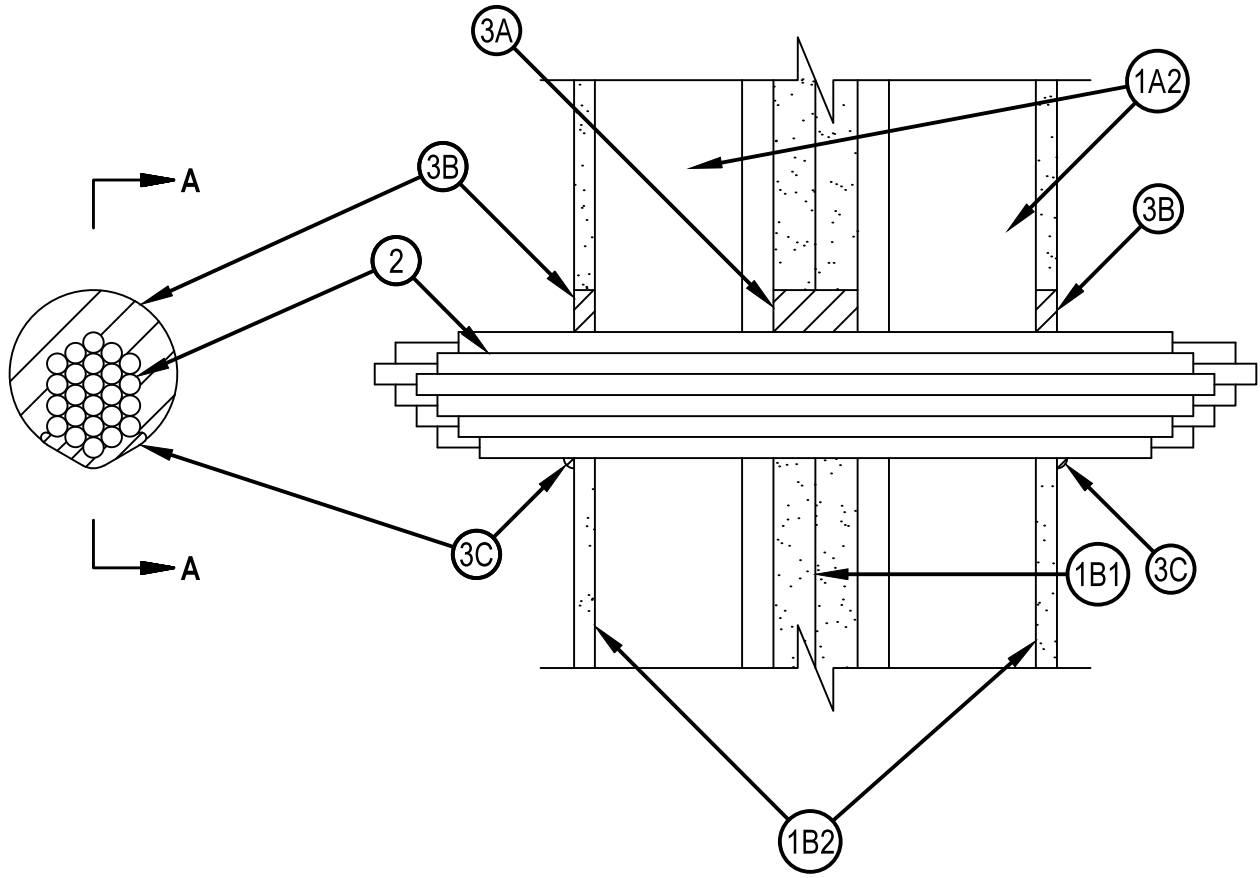


Classified by
Underwriters Laboratories, Inc.
to UL 1479 and CAN/ULC-S115

System No. W-L-3307

WL 3307

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 Hr	F Rating — 2 Hr
T Rating — 0 Hr	FT Rating — 0 Hr
	FH Rating — 2 Hr
	FTH Rating — 0 Hr



SECTION A-A

1. Wall Assembly — The 2 hr fire-rated gypsum board, steel and wood stud wall assembly shall be constructed as described in the U300 designs in the UL Fire Resistance Directory and shall include the following construction features:

A. Studs —

1. Framing shall consist of steel members formed from No. 25 MSG galv steel having "H" shaped flanged spaced 24 in. (610 mm) OC.
2. Framing shall consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced max 24 in. (610 mm) OC. Studs cross braced at mid-height where necessary for clip attachment.

B. Gypsum Board —

1. Gypsum board shall consist of two layers of 1 in. (25 mm) thick gypsum board liner panels, supplied in nom 24 in. (610 mm) widths.
2. Gypsum board shall consist of Classified or Unclassified - Min 1/2 in. (13 mm) thick, 4 ft. (1219 mm) wide, applied either horizontally or vertically.

Max diameter of opening is 4 in. (102 mm).



Hilti Firestop Systems

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2. Cables — Aggregate cross-sectional area of cables in opening to be max 45 percent of the cross-sectional area of the opening in wall. The annular space shall be min 0 in. (point contact) to max 1 in. (25 mm). Cables to be rigidly supported on both sides of wall assembly. Any combination of the following types and sizes of cable may be used:
 - A. Max 7/C No. 12 AWG with polyvinyl chloride (PVC) insulation and jacket.
 - B. Max 150 pair No. 24 AWG telecommunication cables; PVC insulation and jacket materials.
 - C. Max RG6/U coaxial cable with polyethylene (PE) insulation and PVC jacketing.
 - D. Max 3/C No. 8 AWG metal-clad cable.
 - E. Max 3/C (with ground) No. 8 AWG copper conductor cable with PVC insulated and jacketed nonmetallic sheathed (Romex) cable.
3. Firestop System — The firestop system shall consist of the following:
 - A. Fill, Void or Cavity Material*— Sealant — Min 2 in. (51 mm) depth of fill material applied within annulus on outer gypsum liner sides flush with outer layers of gypsum liner.
 - B. Fill, Void or Cavity Material* — Sealant — Min 1/2 in. (13 mm) depth of fill material applied within annulus flush with outer surfaces of gypsum board.
 - C. Fill, Void or Cavity Material*— Sealant — Min 1/4 in. (6 mm) bead of fill material applied at interface of outer layers of gypsum board and penetrant (point contact).

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or 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.



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