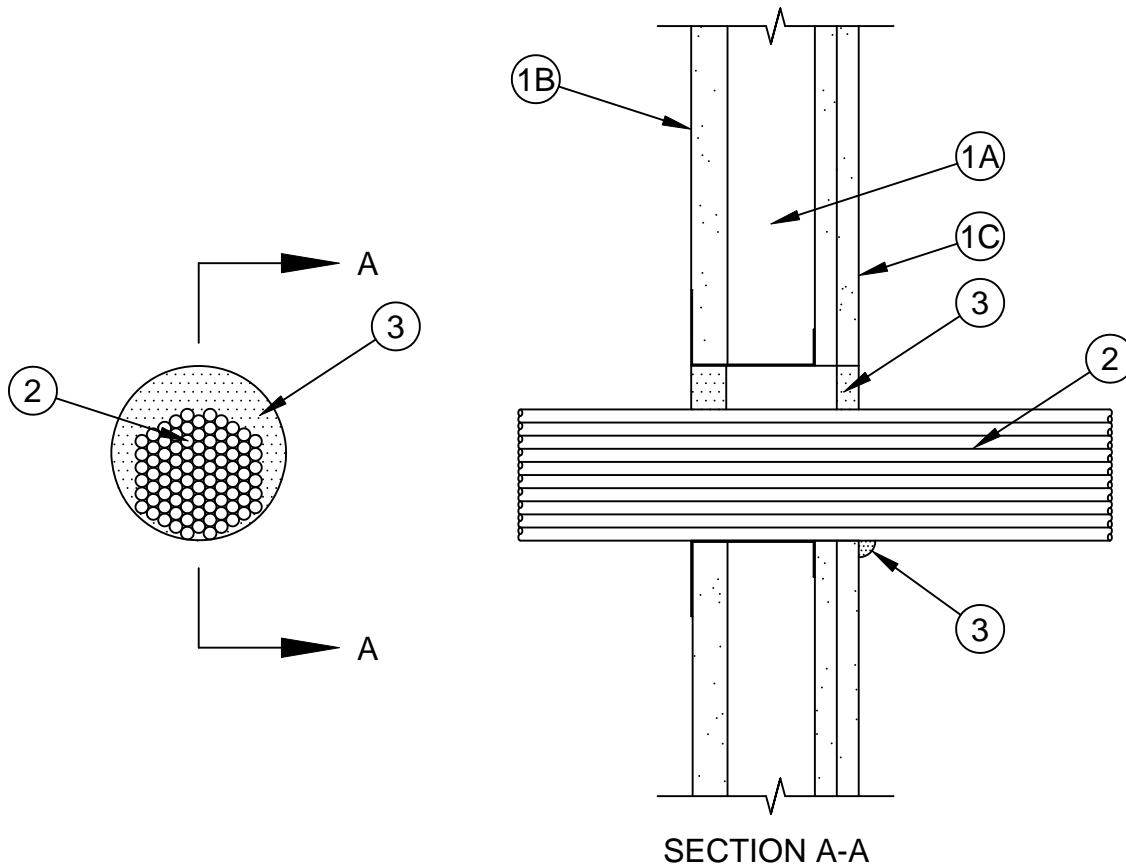


System No. W-L-3428



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 - 1/4 Hr	FT Ratings - 1/4 Hr
	FH Ratings - 1 and 2 Hr (See Item 1)
	FTH Ratings - 1/4 Hr



1. **Wall Assembly** - The 1 or 2 hr fire-rated gypsum board/stud shaft wall assembly shall be constructed of the materials and in the manner specified in the individual U400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall incorporate the following construction features:
 - A. **Steel Studs** - "C-H" or "C-T" shaped studs, min 2-1/2 in. (64 mm) wide by 1-1/2 in. (38 mm) deep, fabricated from min No. 25 gauge (0.6 mm thick) galv steel, spaced max 24 in. (610 mm) OC.
 - B. **Gypsum Board*** - 1 in. (25 mm) thick, 24 in. (610 mm) wide gypsum liner panels installed vertically. Max diam of circular cutout in gypsum liner panel is 4 in. (102 mm).
 - C. **Gypsum Board*** - 1/2 in. or 5/8 in. (13 or 16 mm) thick, 48 in. (1.2 m) wide gypsum boards. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam of circular cutout in gypsum board is 4 in. (102 mm).

The F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall in which it is installed.



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2. **Cables** - One or more individual cables or max 3 in. (76 mm) diam tight bundle of cables to be installed either concentrically or eccentrically within the firestop system. The annular space within the firestop system shall be min 0 in. (point contact) to max 1 in. (0 to 25 mm). Cables to be rigidly supported on both sides of wall assembly. Any combination of the following types and sizes of cables may be used:
- A. Max 400 pair No. 24 AWG telephone cable with PVC insulation and jacket.
 - B. Max 1/C - 750 kcmil copper conductor cable with XLPE or PVC insulation and jacket.
 - C. Max 7/C No. 12 AWG with PVC insulation and jacket.
 - D. Max 4 pair No. 24 AWG data cable with PVC insulation and jacket.
 - E. Max RG/U coaxial cable with fluorinated ethylene or plenum-rated insulation and jacketing.
 - F. Multiple fiber optic cables jacketed with PVC and having a max OD of 5/8 in.
 - G. Max 3/C No. 3/0 aluminum or copper conductor SER cable with PVC insulation and jacket.
 - H. Max 4/C No. 2/0 AWG copper or aluminum conductor steel or aluminum jacketed Metal-Clad# or Armored-Clad# cable.

AFC CABLE SYSTEMS INC

Fill, Void or Cavity Materials* - Sealant - Min 1 in. (25 mm) thickness of fill material applied within annulus, flush with the surface of the gypsum liner panel. Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with the surface of the gypsum board on the finished side of the wall. At point contact location, min 3/8 in. (10 mm) diam bead of fill material to be applied at the penetrant/gypsum board interface on the finished side of the wall.

SPECIFIED TECHNOLOGIES INC - SpecSeal Series SSS Sealant or SpecSeal LCI 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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