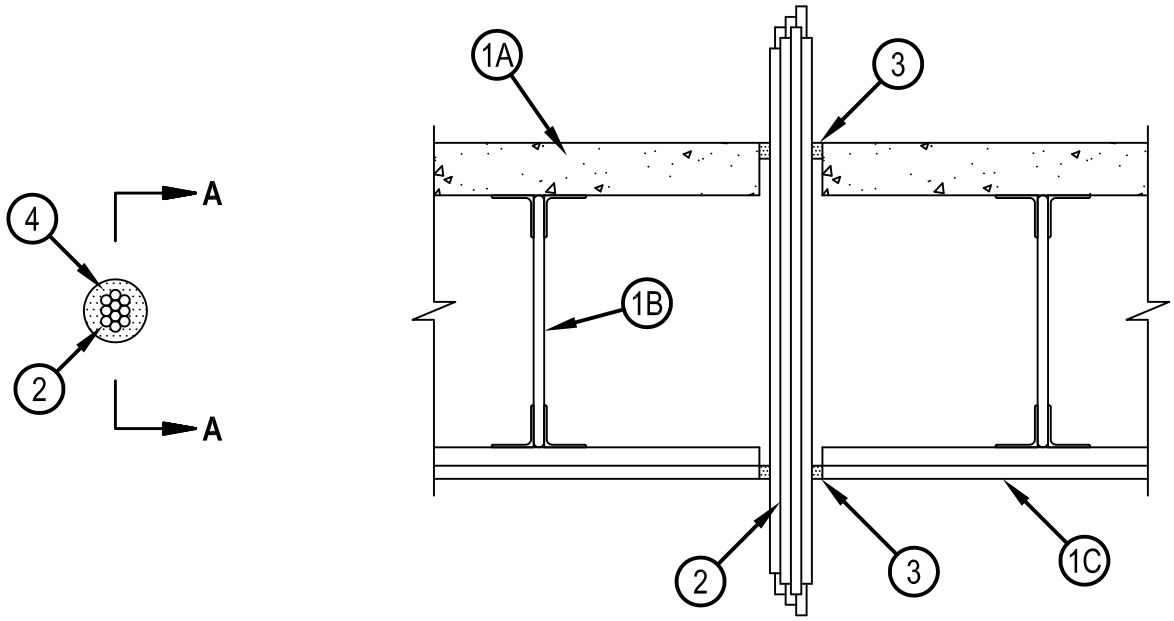
System No. F-E-3005

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

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 1 Hr	F Rating — 1 Hr
T Rating — 1 Hr	FT Rating — 1 Hr
	FH Rating — 1 Hr
	FTH Rating — 1 Hr



SECTION A-A

1. Floor-Ceiling Assembly — The 1 hr fire rated concrete and steel joist Floor-Ceiling assembly shall be constructed of the materials and in the manner described in the individual G500 Series Design in the UL Fire Resistance Directory, as summarized below:
   A. Concrete Floor — Normal weight or lightweight (100-150 pcf or 1600-2400 kg/m3) concrete over metal lath or steel deck as specified in the individual G500 Series Design. Max diam of opening is 3 in. (76 mm).
   B. Joists — Steel joists or Structural Steel Members* as specified in the individual G500 Series Design.
   C. Gypsum board* — Min 5/8 in. (16 mm) thick, screw-attached to furring channels as specified in the individual G500 Series Design. Max diam of ceiling opening is 3 in. (76 mm).

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2. Cables — Aggregate cross-sectional area of bundled cables in opening to be max 25 percent of the cross-sectional area of the opening. The annular space within the firestop system shall be 3/4 in. (19 mm). Cables to be rigidly supported on both sides of floor assembly. Any combination of the following types and sizes of cables may be used:
   A. RG 59 coaxial cable with single copper conductor, cellular polyethylene cellular foam insulation and polyvinyl chloride (PVC) jacket.
   B. Max 25 pair No. 24 AWG telephone cable with PVC jacketing.
   C. Max 3/C No. 10 AWG cable (Type NM).
   D. Max 3/C with ground No. 2/0 AWG aluminum or copper Type SER cable with PVC insulation.
   E. Max 24 fiber optic cable.
   F. Through Penetrating Products* — Three conductor No. 10 AWG Metal-Clad Cable
      AFC CABLE SYSTEMS INC
3. Fill, Void or Cavity Materials+ - Sealant — Min 3/4 in. (19 mm) thickness of fill material applied within the annulus, flush with top surface of floor. Min. 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with bottom surface of gypsum board. Sealant forced into the interstices of the cables on both surfaces of the assembly to the max extend possible.
   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.

+Bearing the UL Listing Mark