

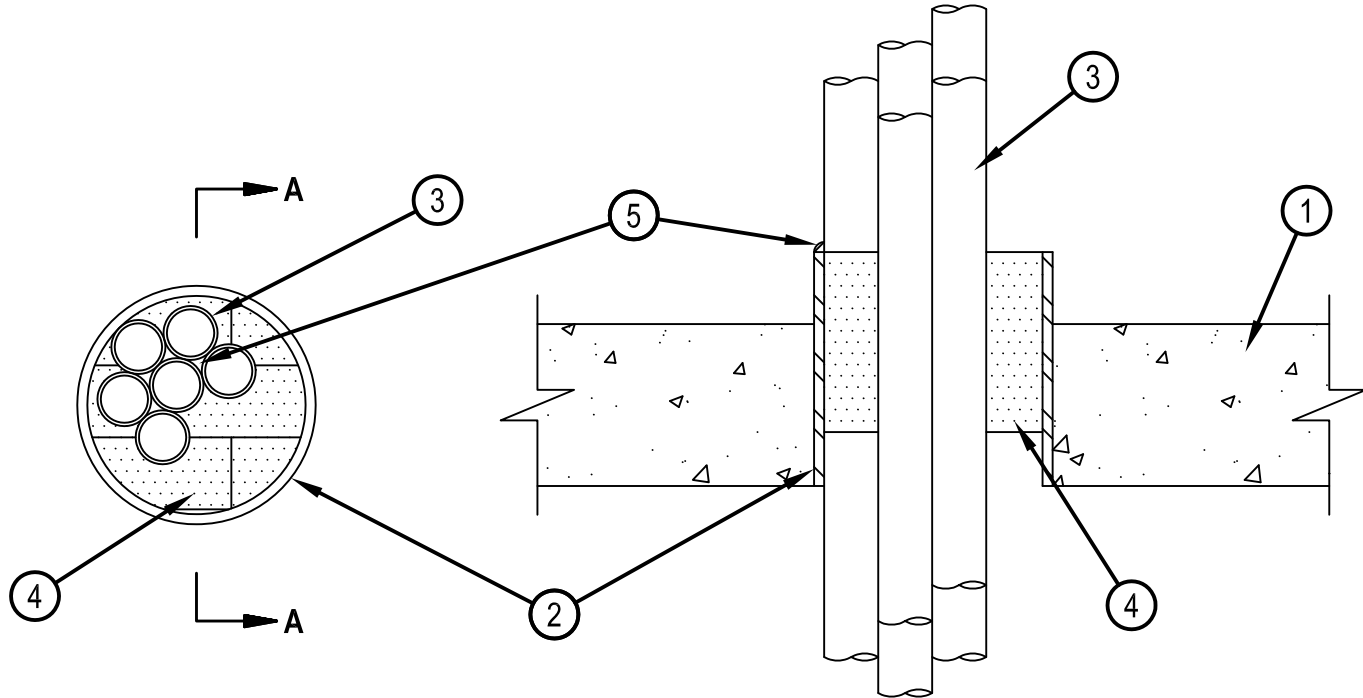


Classified by
Underwriters Laboratories, Inc.
to UL 1479 and CAN/ULC-S115

System No. C-AJ-3198

CAJ 3198

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



SECTION A-A

1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diameter of opening is 6 in. (152 mm).
See Concrete Blocks category in the Fire Resistance Directory for names of manufacturers.
2. Steel Sleeve — Nom 6 in. (152 mm) diam (or smaller) Schedule 40 cellular or solid core polyvinyl chloride (PVC) sleeve. Sleeve installed to project 2 in. (51 mm) beyond the top surface of floor or both surfaces of the wall.
3. Cables — Aggregate cross-sectional area of bundled cables in steel sleeve to be max 25 percent of the cross-sectional area of the sleeve. The annular space between the cable bundle and the periphery of the sleeve to be min 0 in. (point contact) to max 2-3/4 in. (70 mm). Cables to be rigidly supported on both sides of the floor or wall assembly. The following types and sizes of cables may be used:
A. A. Max 750 kcmil power cable with PVC insulation and jacket.
4. Fill, Void or Cavity Materials* — Fire Block — Fire blocks installed around cable bundle within steel sleeve with 5 in. (127 mm) dimension parallel to sleeve length and flush with top end of sleeve in floors and both ends of sleeve in walls.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS 657 Fire Block or CFS-BL Firestop Block
5. Fill, Void or Cavity Materials* — Putty or sealant fill material forced into interstices of cable bundle, voids within fire blocks and between blocks and steel sleeve to max extent possible, flush with top end of sleeve in floors and both ends of sleeve in walls. An additional 1/2 in. bead of fill material applied at cable/sleeve interface at point contact location on unexposed surface of floor or both surfaces of wall.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP618 Firestop Putty Stick, 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.



Hilti Firestop Systems

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