

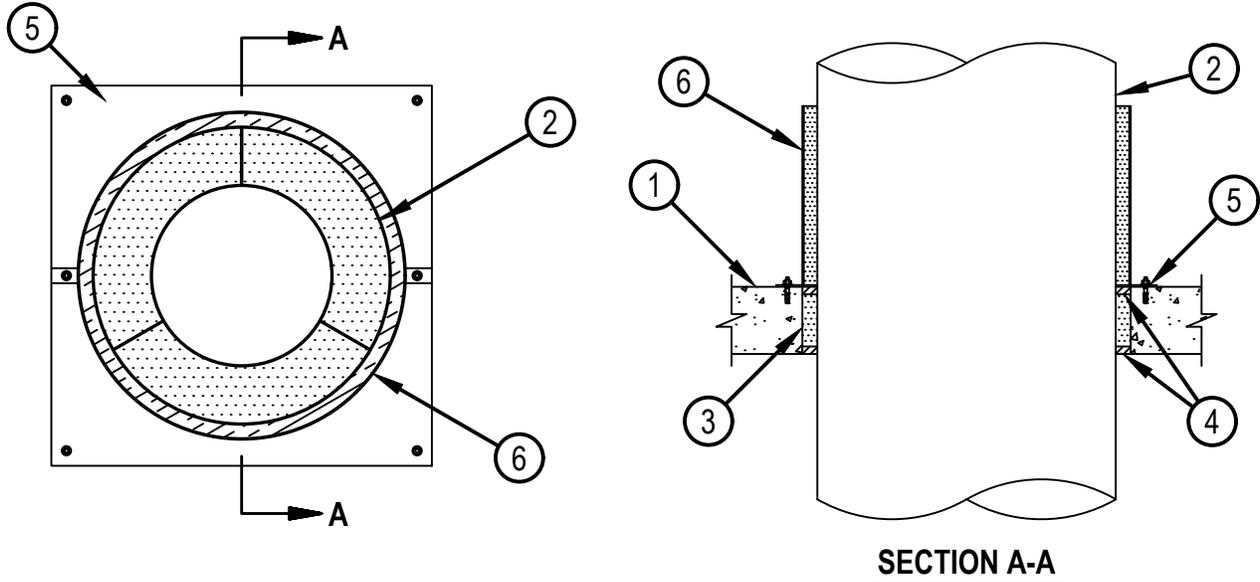


Classified by
Underwriters Laboratories, Inc.
to UL 1479 and CAN/ULC-S115

System No. C-AJ-7006

CAJ 7006

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating - 2 and 3 Hr (See Item 2)	F Rating - 2 and 3 hr (See Item 2)
T Rating - 2 and 3 Hr (See Item 2)	FT Rating - 2 and 3 Hr (See Item 2)
L Rating At Ambient - Less Than 1 CFM/sq ft	FH Rating - 2 and 3 Hr (See Item 2)
L Rating At 400 F - 4 CFM/sq ft	FTH Rating - 2 and 3 Hr (See Item 2)
	L Rating At Ambient - Less Than 1 CFM/sq ft
	L Rating At 400 F - 4 CFM/sq ft



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 diam of opening is 46 in. (1.17 m). See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Through Penetrating Product* — Grease Duct or Special Gas Vent — Nom 36 in. (0.91 m) inside diam (or smaller) UL Listed grease duct. One grease duct gas vent to be centered within the opening with a nom annular space of 1 in. (25 mm). Grease duct or gas vent to be rigidly supported on both sides of floor or wall assembly. The F and T Ratings of the firestop system are dependent upon the type of grease duct, gas vent and the max nom diam of the grease duct/gas vent as shown in the table below:

Type of Grease Duct	Max Nom Inside Diam, In. (m)	F Rating, Hr	T Rating, Hr
IPIC Series 4G (IPIC-4G)	36 (0.91)	3	3
IPIC Series 3G (IPIC-3G)	24 (0.61)	3	3
FCS-3 CORR/GUARD	36 (0.91)	3	3
IPIC Series 2G (IPIC-2)	18 (0.46)	2	2

METAL-FAB INC — Types IPIC Series 4G (IPIC-4G), IPIC Series 3G (IPIC-3) and IPIC Series 2G (IPIC-2) Grease Ducts
METAL-FAB INC — FCS-3 CORR/GUARD Ventilation Duct



Hilti Firestop Systems

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3. Packing Material — Min 3-1/2 in. (89 mm) thickness of min 6 pcf (96 kg/m³) ceramic fiber insulation firmly packed into opening as a permanent form. Packing material to be recessed from both surfaces of floor or wall as required to accommodate the required thickness of fill material.
4. Fill, Void or Cavity Material* Caulk — Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with both surfaces of floor or wall. Additional caulk to be installed such that a min 1/2 in. (13 mm) crown is formed around the penetrating item on both surfaces of floor or wall. The L Ratings of the firestop system are applicable only when FS-ONE Sealant is used.
3M COMPANY — Type CP-25 WB+
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant or FS-ONE MAX intumescent Sealant.
5. Cover Plate — Min 0.033 in. (0.83 mm) thick galv steel cover plate cut to follow the contour of the penetrating item (Item 2), applied to top surface of floor and both surfaces of wall. Two piece rectangular cover plate installed with min 1 in. (13 mm) overlap between pieces. Cover plate installed using 1/4 in. (6 mm) diam by 1-1/4 in. (32 mm) long steel expansion bolts, spaced a max 22 in. (0.56 m) OC.
6. Closure Band — Min 0.024 in. (0.61 mm) thick steel, 12 in. (305 mm) wide, lined on the interior with 1 in. (25 mm) thick ceramic fiber blanket. Two piece closure band installed around penetrating item (Item 2) in contact with cover plate and secured together with 1/4 in. (6 mm) -20 by 1-3/4 in. (45 mm) long hex-head bolts and nuts. Closure bands installed on top surface of floor and on both surfaces of wall.

* 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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