

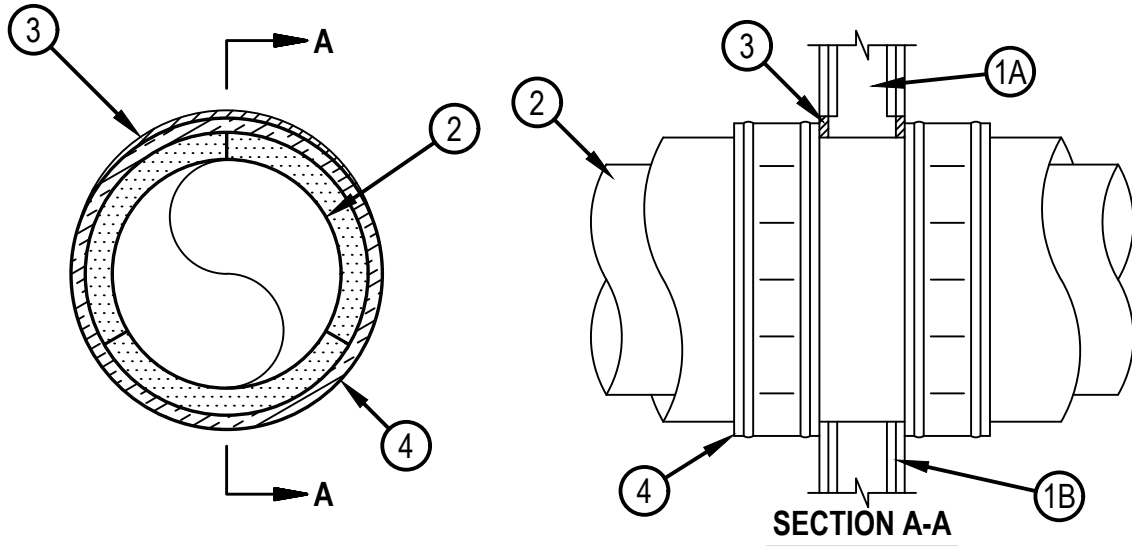


Classified by
Underwriters Laboratories, Inc.
to UL 1479 and CAN/ULC-S115

System No. W-L-7124

WL 7124

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings - 1 and 2 Hr (See Items 1 and 2)	F Ratings - 1 and 2 Hr (See Items 1 and 2)
T Rating - 1 and 2 Hr (See Items 1 and 2)	FT Rating -1 and 2 Hr (See Items 1 and 2)
	FH Ratings - 1 and 2 Hr (See Items 1 and 2)
	FTH Rating - 1 and 2 Hr (See Items 1 and 2)



1. Wall Assembly — The 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:

- A. Studs — Steel channel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC. Additional steel studs shall be used to completely frame out the opening.
- B. Gypsum Board* — 5/8 in. (16 mm) thick, 4 ft (1.22 m) wide with square or tapered edges. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual U400, V400 or W400 Series Design in the UL Fire Resistance Directory. Max diam of opening is 37 in. (940 mm).

The hourly F, FH, FTH, T, FT and FTH Ratings of the firestop system are dependent upon the hourly fire rating of the wall assembly in which it is installed and the type and max nom inside diam of the grease duct or special gas vent, as shown in Item 2.



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2. Through Penetrating Product* - Grease Duct or Special Gas Vent — Nom 30 in. (762 mm) inside diam (or smaller) UL Listed grease duct or UL Listed Special Gas Vent. One grease duct or gas vent to be installed eccentrically or concentrically within the firestop system. The annular space between the grease duct or gas vent and the periphery of the opening is dependent upon the hourly rating of the wall and the nom inside diam of the grease duct . In 2 hr fire rated wall assemblies and with grease ducts or gas vents having a nom inside diam of 16 in. (406 mm) or less, the annular space within the firestop system shall be min 0 in. (0 mm, point contact) to max 1-1/2 in. (38 mm). In 2 hr fire rated wall assemblies and with grease ducts or gas vents having a nom inside diam greater than 16 in. (406 mm), the annular space within the firestop system shall be min 0 in. (0 mm, point contact) to max 1 in. (25 mm). In 1 hr fire rated wall assemblies and with grease ducts or gas vents having a nom inside diam 12 in. (152 mm) or greater, the annular space within the firestop system shall be min 0 in. (0 mm, point contact) to max 1 in. (25 mm). In 1 hr fire rated wall assemblies and with grease ducts or gas vents having a nom inside diam smaller than 12 in. (305 mm), the annular space within the firestop system shall be min 0 in. (0 mm, point contact) to max 3/4 in. (19 mm). Grease duct and gas vent to be rigidly supported on both sides of wall assembly. The F, FT, FH, FTH and T Ratings of the firestop system are dependent upon the max nom inside diameter type of the grease duct, gas vent and the hourly rating of the wall assembly in which is installed, as shown in the following table:

Hourly Rating of Wall, Hr	Type of Grease Duct/Gas Vent	Max Nom Inside Diam, In., (mm)	F, FT, FH, FTH and T Ratings of Firestop System, Hr
1	IPIC Series 4G (IPIC-4)	28 (711)	1
2	IPIC Series 4G (IPIC-4)	28 (711)	2
1	IPIC Series 3G (IPIC-3)	30(762)	1
2	IPIC Series 3G (IPIC-3)	30(762)	2
2	FCS-3 CORR/GUARD	30(762)	1
1	FCS-3 CORR/GUARD	30(762)	2
1	IPIC SERIES 2G (IPIC-2)	18 (457)	1
2	IPIC SERIES 2G (IPIC-2)	18 (457)	2

METAL-FAB INC — Types IPIC Series 4G (IPIC-4), IPIC Series 3G (IPIC-3) and IPIC Series 2G (IPIC-2) Grease Duct.

METAL-FAB INC — FCS-3 CORR/GUARD Special Gas Vent

3. Fill, Void or Cavity Material* - Sealant — Min 5/8 in (16 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. Min 1/2 in. (13 mm) bead of fill material applied at the penetrant/gypsum board interface on both surfaces of the wall.

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

4. Closure Band — Min 0.024 in. (0.61 mm) thick galv steel, min 6 in. (152 mm) wide, lined on the interior with 1 in. (25 mm) thick ceramic fiber blanket supplied by the grease duct manufacturer. Two-piece closure band installed around grease duct (Item 2), abutting wall surface and secured together with 1/4-20 by 1-3/4 in. (45 mm) long hex-head bolts and nuts. Closure bands installed on both surfaces of wall. The min width of the closure band is dependent upon the hourly rating of the wall assembly and the nom inside diam of the grease duct. In 1 hr fire rated wall assemblies, the min width of the closure band shall be 6 in. (152 mm). In 2 hr fire rated wall assemblies, the min width of the closure band shall be 6 in. (152 mm) for grease ducts having a nom inside diam of 16 in. (406 mm) or greater. If the nom inside diam of the grease duct is less than 16 in. (406 mm), the min width of the closure band shall be 12 in. (305 mm).

* 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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