

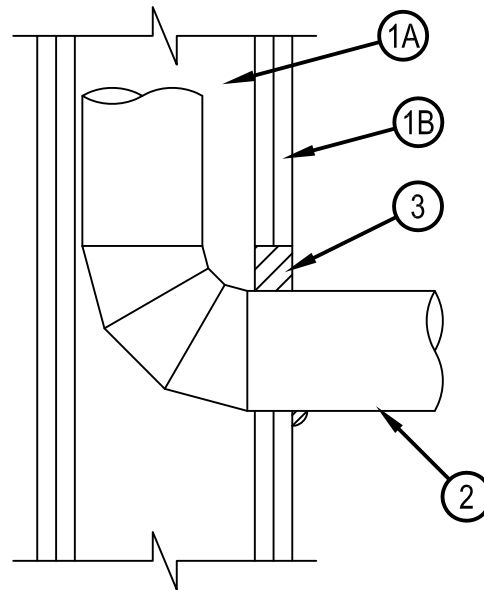
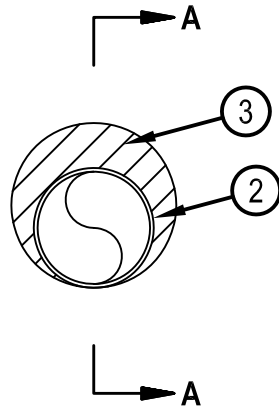


Classified by
Underwriters Laboratories, Inc.
to UL 1479 and CAN/ULC-S115

System No. W-L-7198

WL 7198

| ANSI/UL1479 (ASTM E814) | CAN/ULC S115 |
|---|---|
| F Rating — 2 Hr | F Rating — 2 Hr |
| T Rating — 2 Hr | FT Rating — 2 Hr |
| L Rating at Ambient — Less Than 1 CFM/sq ft | FH Rating — 2 Hr |
| L Rating at 400 F — Less Than 1 CFM/sq ft | FTH Rating — 2 Hr |
| | L Rating at Ambient — Less Than 1 CFM/sq ft |
| | L Rating at 400 F — Less Than 1 CFM/sq ft |



SECTION A-A

1. Wall Assembly — The 2 hr fire rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner described in the individual U300, U400, V400 or W400 Series Wall and Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

- A. Studs — Wall framing may consist of either wood studs or steel channel studs. Wood studs shall consist of nom 2 by 6 in. (51 by 152 mm) wide wood studs spaced max 24 in. (610 mm) OC. Steel studs to be min 6 in. (152 mm) wide and spaced max 24 in. (610 mm) OC.
- B. Gypsum Board* — Min two layers of 5/8 in. (16 mm) thick gypsum board. Thickness, type and orientation shall be as specified in the individual Wall and Partition Design. Max diam of opening is 5-1/2 in. (140 mm).

2. Steel Duct — Max 4 in. (102 mm) diam No. 30 gauge (or heavier) galv steel duct to be installed either concentrically or eccentrically within the firestop system. The space between the steel duct and periphery of opening shall be min 0 in. (point contact) to max 1-1/2 in. (38 mm). Steel duct to be rigidly supported within the wall assembly.

3. Fill, Void or Cavity Material* — Sealant — Min 1-1/4 in. (32 mm) thickness of fill material applied within the annulus, flush with surface of wall. Min 1/2 in. (13 mm) diam bead of fill material shall be applied at the point contact location between the steel duct and the gypsum board.
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.



Hilti Firestop Systems

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