

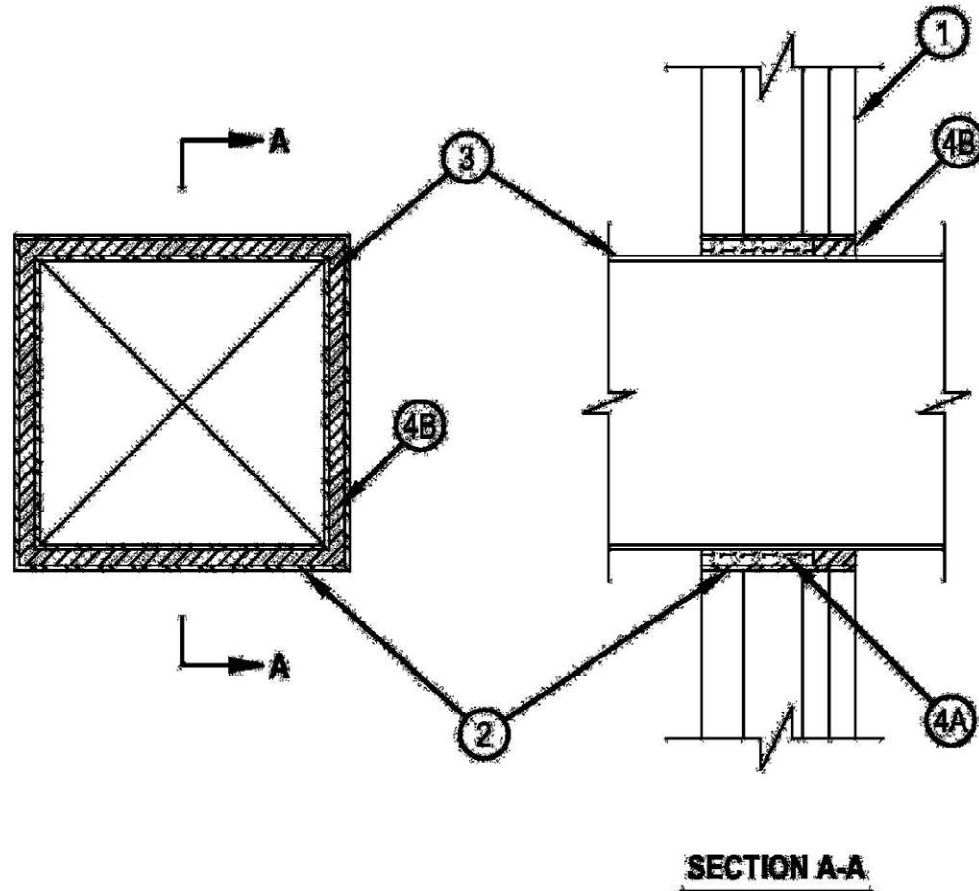




Classified by
Underwriters Laboratories, Inc.
to UL 1479 and CANULC-S116

System No. W-L-7069
F Rating - 1 and 2 Hr (See Items 1 and 4)
T Rating - 0 Hr

WL 7069



SECTION A-A



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F Rating - 1 and 2 Hr (See Items 1 and 4)
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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 or V400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:

- A. Studs—“C-T” shaped studs 1-5/8 in. wide by 2-1/2 in. deep, fabricated from 26 MSG galv steel, spaced max 24 in. OC.
 - B. Gypsum Board—One layer of nom 1 in. thick, 24 in. wide gypsum liner and one or two layers of nom 5/8 in. thick, 4 ft. wide gypsum board with square or tapered edges. The gypsum board type, number of layers, fastener type and sheet orientation shall be as specified in the Individual Wall and Partition Design. Max size of opening is 64 sq in. with max dimension of 8 in.
- The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.

1A. Wall Assembly—As an alternate to the above wall assembly, the 1 or 2 hr fire-rated gypsum board/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400 or V400 Series Wall and Partition Designs 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. Steel studs to be min 2-1/2 in. wide and spaced max 24 in. OC. Wood studs to consist of nom 2 by 4 in. lumber spaced 16 in. OC.
- B. Gypsum Board—Thickness, type, number of layers and fasteners as required in the Individual Wall and Partition Design. Max size of opening is 64 sq in. with max dimension of 8 in.

2. Metallic Sleeve—Nom 8 in. by 8 in. (or smaller) steel sleeve fabricated from min 0.016 in. thick (28 gauge) (or heavier) galv sheet steel and having a 1 in. lap along the longitudinal seam. Steel sleeve friction fit flush with both surfaces of wall.

3. Steel Duct—Nom 7 in. by 7 in. (or smaller) No. 24 gauge (or heavier) galv steel duct to be installed either concentrically or eccentrically within the firestop system. The annular space shall be min 1/4 in. to max 3/4 in. Duct to be rigidly supported on both sides of the wall assembly.

4. Firestop System—The firestop system shall consist of the following:

- A. Packing Material—Min 1-5/8 or 2-1/4 in. thickness of min 4 pcf mineral wool batt insulation firmly packed into sleeve on one side of the wall as a permanent form for 1 and 2 hr walls, respectively. Packing material to be recessed from the room side of wall as required to accommodate the required thickness of fill material. In alternate wall assembly, packing material to be flush with either side of the wall and recessed from the other side of the wall to accommodate the required thickness of fill material.
 - B. Fill, Void or Cavity Material—Sealant—Min 1-1/2 in. thickness of fill material applied within sleeve, flush with the room surface of wall or either surface in the alternate wall assembly.
- HILTI CONSTRUCTION CHEMICALS, DIV OF
HILTI INC.—FS-ONE Sealant

*Bearing the UL Classification Mark