



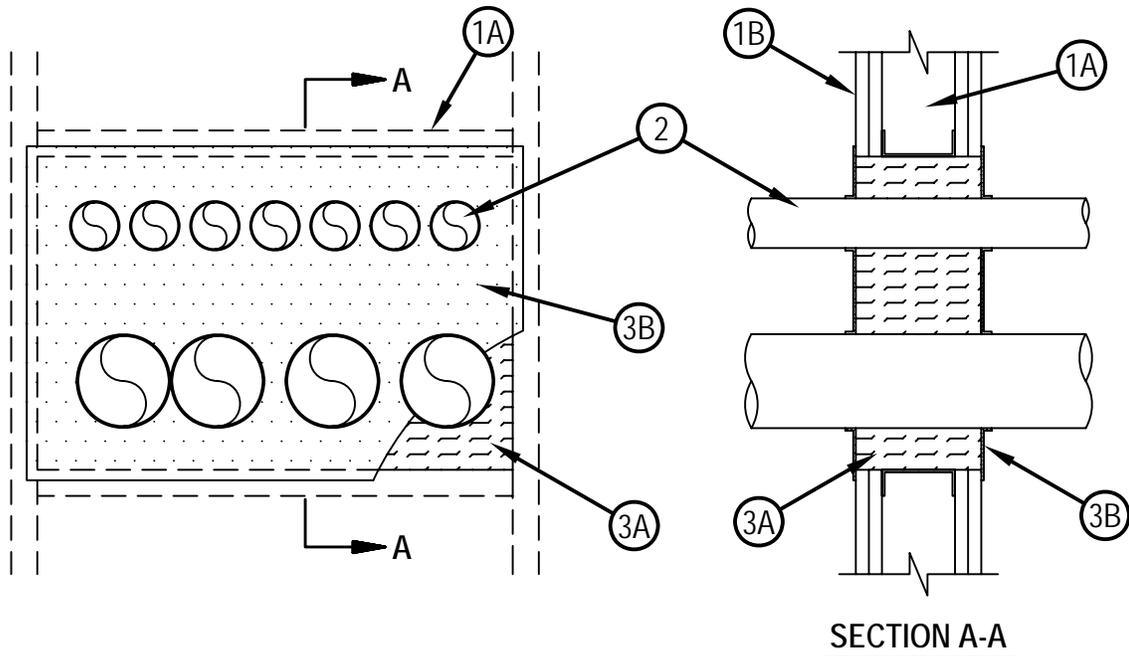
Classified by
Underwriters Laboratories, Inc.
to UL 1479 and CAN/ULC-S115

System No. W-L-1402

F Ratings — 1 or 2 Hr (See Item 1)

T Rating — 1/4 Hr

WL 1402



1. Wall Assembly — The 1 or 2 hr fire-rated framed gypsum board wall assembly shall be constructed of the materials and in the manner specified in the individual U400 Series Wall or Partition Design in the UL Fire Resistance Directory and shall include the following construction features:
 - A. Studs — Wall framing shall consist of steel channel studs. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC. Additional steel studs installed to completely frame the opening.
 - B. Gypsum Board — Thickness, type, number of layers and fasteners as specified in the individual Wall and Partition Design. Max area of opening is 342 sq in. (2206 cm²) with a max dimension of 22-3/4 in. (578 mm).

The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed.
2. Through Penetrants — One or more metallic pipes or conduits to be installed either concentrically or eccentrically within the firestop system. The annular space between the pipes or conduits shall be min 1/4 in. (6 mm) to max 5-1/2 in. (140 mm). The annular space between the pipes or conduits and the periphery of the opening shall be min 0 in. (point contact) to max 1-3/4 in. (44 mm). Pipes or conduits to be rigidly supported on both sides of the wall assembly. The following types and sizes of metallic pipes or conduits may be used:
 - A. Steel Pipe — Nom 4 in. (102 mm) diam (or smaller) Schedule 5 (or heavier) steel pipe.
 - B. Iron Pipe — Nom 4 in. (102 mm) diam (or smaller) cast or ductile iron pipe.
 - C. Conduit — Nom 4 in. (102 mm) diam (or smaller) rigid steel conduit, or electrical metallic tubing (EMT).
3. Firestop System — The firestop system shall consist of the following:
 - A. Packing Material — Min 4 pcf (64 kg/m³) mineral wool batt insulation cut into strips equal in width to thickness of the wall and tightly-compressed to completely fill opening flush with both wall surfaces.
 - B. Fill, Void, or Cavity Material* — Spray — Min 1/8 in. (3 mm) wet thickness applied to completely cover mineral wool batt packing material on both sides of wall. Spray material to overlap min 1/2 in. (13 mm) onto wall surfaces and onto pipes or conduits.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP672 Firestop Spray or CFS-SP WB Firestop Joint Spray

*Bearing the UL Classification Mark



Hilti Firestop Systems

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