



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

System No. W-L-1519

F Ratings — 1 and 2 Hr (See Items 1 and 3)

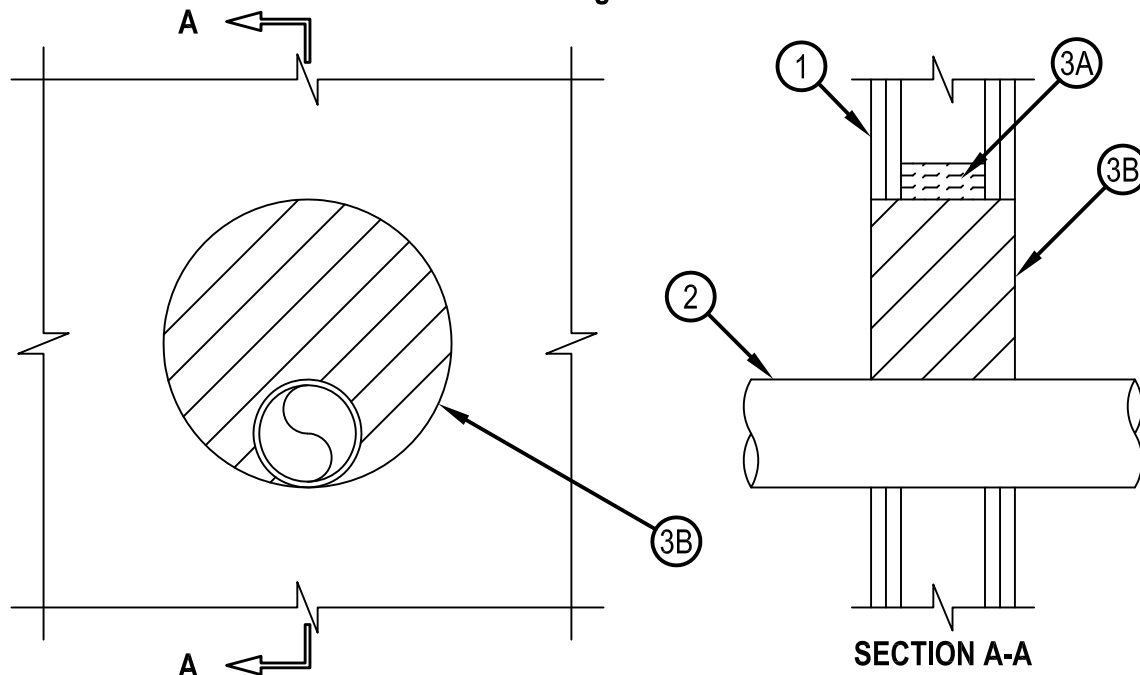
FT Rating — 0 Hr

FH Rating - 0 Hr

FTH Rating - 0 Hr



WL 1519



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 U300, U400 or V400 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 to consist of nom 51 by 102 mm (2 by 4 in.) lumber spaced max 406 mm (16 in.) OC. Steel studs to be min 89 mm (3-1/2 in.) deep, fabricated from 25 MSG galv steel, spaced max 610 mm (24 in.) OC.

B. Gypsum Board* — The gypsum board type, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Design. Max diam opening is 305 mm (12 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.

2. Through Penetrants — One metallic pipe, conduit or tube to be installed either concentrically or eccentrically within the firestop system. The min annular space between the pipe, conduit or tube and the periphery of the opening shall be min 0 mm (point contact) to max 200 mm (7-7/8 in.). Pipe conduit or tube to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, conduits or tubes may be used:

A. Steel Pipe — Nom 102 mm (4 in.) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. Iron Pipe — Nom 102 mm (4 in.) diam (or smaller) cast or ductile iron pipe.

C. Conduit — Nom 102 mm (4 in.) diam (or smaller) rigid steel conduit.

D. Conduit — Nom 102 mm (4 in.) diam (or smaller) steel electrical metallic conduit.

E. Copper Tubing — Nom 102 mm (4 in.) diam (or smaller) Type L (or heavier) copper tubing.

F. Copper Pipe — Nom 102 mm (4 in.) diam (or smaller) Regular (or heavier) copper pipe.

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

A. Packing Material — Glass fiber or mineral wool batt insulation firmly packed within the wall cavity around the opening as a permanent form.

B. Fill, Void or Cavity Material* — Foam — Fill material applied within annulus flush with both surfaces of the wall. Min fill material thickness for 1 hr F Rating is 121 mm (4-3/4 in.). Min fill material thickness for 2 hr F Rating is 152 mm (6 in.).

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 660 Firestop Foam

* 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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