

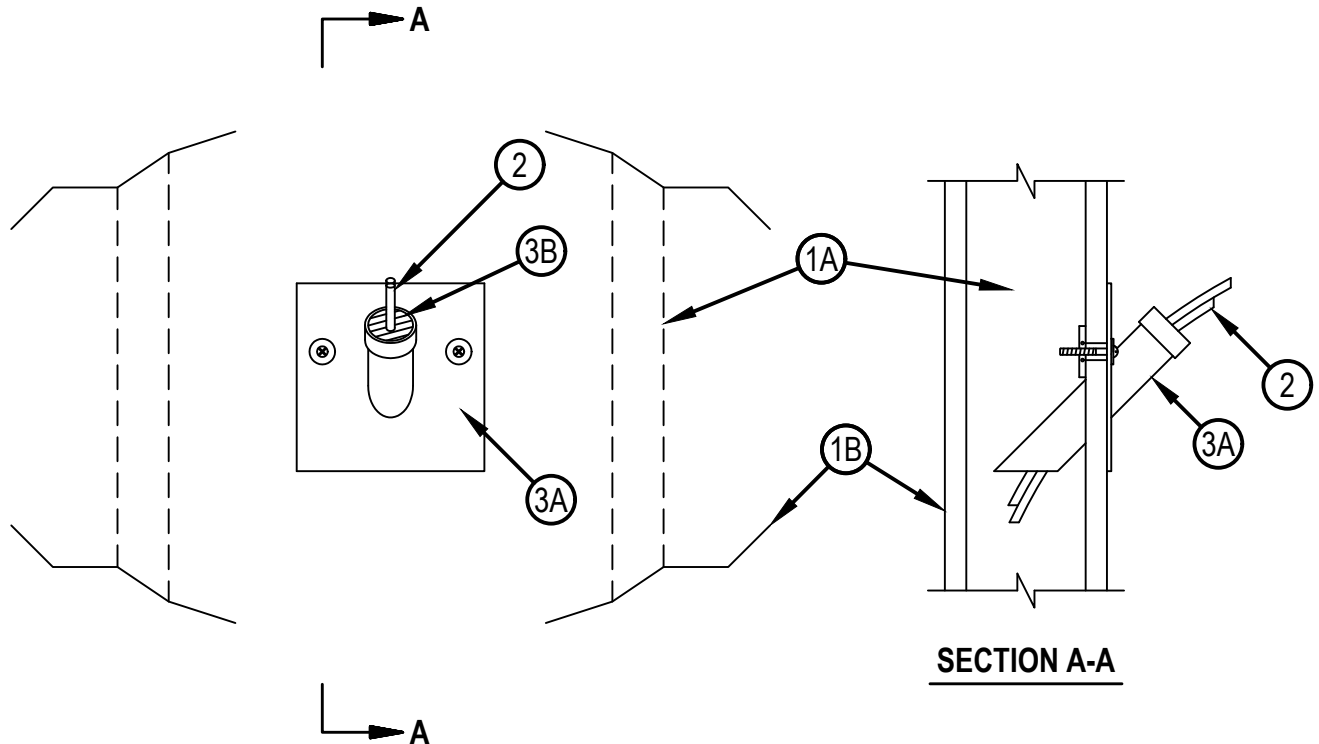


Classified by  
Underwriters Laboratories, Inc.  
to UL 1479 and CAN/ULC-S115

## System No. W-L-3230

WL 3230

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 1 and 2 Hr (See Item 1)	F Rating — 1 and 2 Hr (See Item 1)
T Rating - 1/4 Hr	FT Rating - 1/4 Hr
	FH Ratings - 1 and 2 Hr (See Item 1)
	FTH Rating - 1/4 Hr



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 Designs in the UL Fire Resistance Directory and shall include the following construction features:
  - A. Studs — Wall framing shall consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced max 16 in. (406 mm) OC. Steel studs to be min 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.
  - B. Gypsum Board\* — 5/8 in. (16 mm) thick, 4 ft (1219 mm) 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 U300 or U400 Series Designs in the UL Fire Resistance Directory.

The hourly F and FH Ratings of the firestop system are equal to the hourly fire rating of the wall assembly in which it is installed.
2. Cables — Aggregate cross-sectional area of cables in membrane penetrator (Item 3A) not to exceed 0.4 sq in. (258 mm sq.). Cables to be rigidly supported within 24 in. (610 mm) of wall assembly. Any combination of the following types and sizes of cables may be used:
  - A. Max 100 pair No. 24 AWG (or smaller) copper conductor cable with polyvinyl chloride (PVC) jacketing and insulation.
  - B. Max RG59/U (or smaller) coaxial cable with fluorinated ethylene insulation and jacketing.
  - C. Max 62.5/48 fiber optic cable with PVC insulation and jacketing.
  - D. Max 4 pair No. 24 AWG (or smaller) copper conductor Category 5 data cable with Hylar insulation and jacket.



**Hilti Firestop Systems**

Reproduced by HILTI, Inc. Courtesy of  
Underwriters Laboratories, Inc.  
October 05, 2015

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

A. Firestop Device\* — Nom 1 in. (25 mm) diam angled steel conduit in a steel mounting plate provided with plastic tipped molly bolts and a plastic bushing. Device shall be driven through gypsum board and secured to wall assembly in accordance with the accompanying installation instructions.

UNIQUE FIRE STOP PRODUCTS INC — Membrane Firestop

B. Fill, Void or Cavity Material\* - Putty — Nom 1/4 in. (6 mm) diam continuous bead applied to form gasket between back of firestop device mounting plate and wall surface around perimeter of conduit prior to installation of molly bolts. Min 1 in. (25 mm) thickness of fill material applied within the steel conduit device, flush with end protruding from wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 618 Firestop Putty Stick

RECTORSEAL — Metacaulk Fire Rated Putty

SPECIFIED TECHNOLOGIES INC — SpecSeal Putty

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

