

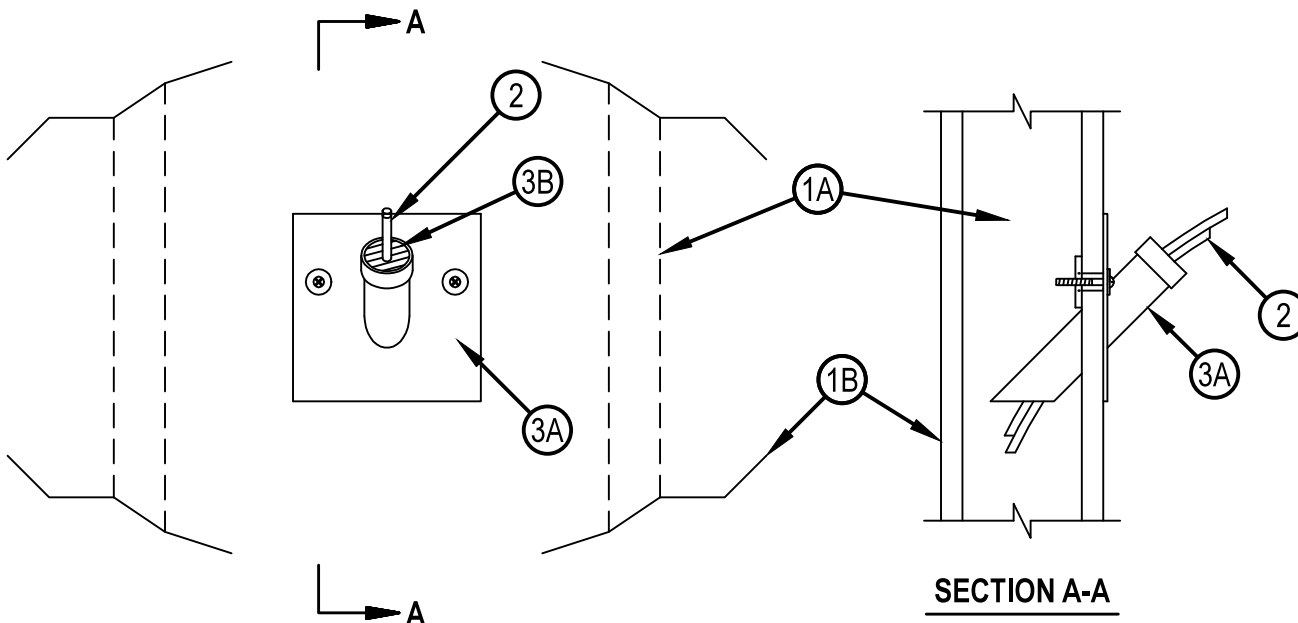


Classified by  
Underwriters Laboratories, Inc.  
to UL 1479 and CAN/ULC-S115

## System No. W-L-3220

WL 3220

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



- Wall Assembly — The 1 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 or Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
    - 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 3-5/8 in. (92 mm) wide and spaced max 24 in. (610 mm) OC.
    - Gypsum Board\* — 5/8 in. (16 mm) thick, 4 ft (1.22 m) wide with square or tapered edges. The gypsum board type, fastener type and sheet orientation shall be as specified in the individual U300, U400, V400 or W400 Series Designs in the UL Fire Resistance Directory.
  - Cables — Aggregate cross-sectional area of cables in membrane penetrator (Item 3A) to be max 50 percent of the cross-sectional area of device opening. 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:
    - Max 100 pair No. 24 AWG (or smaller) copper conductor cable with polyvinyl chloride (PVC) jacketing and insulation.
    - Max RG/U coaxial cable with polyvinyl chloride (PVC) insulation and jacketing having a max dian of 1/2 in. (13 mm).
    - Max 62.5/48 fiber optic cable with PVC insulation and jacketing.
    - Max 4 pair No. 24 AWG (or smaller) copper conductor Category 5 data cable with Hylar insulation and jacket.
  - Firestop System — The firestop system shall consist of the following:
    - 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 Penetrator
    - 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 5/8 in. (16 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 Putty Stick, 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.



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