

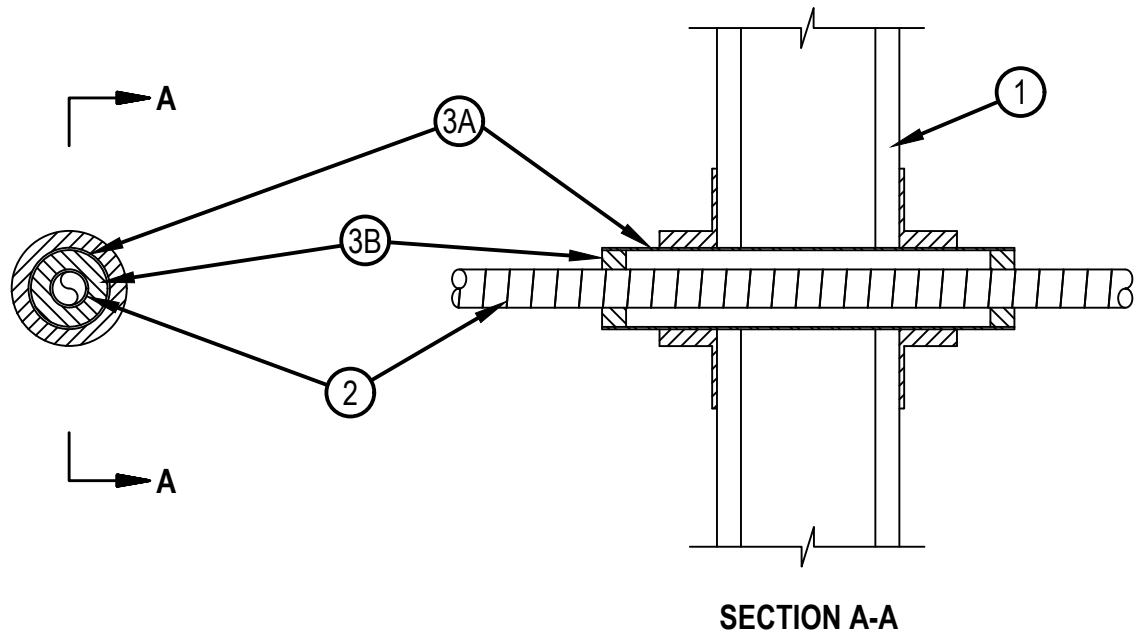


Classified by  
Underwriters Laboratories, Inc.  
to UL 1479

## System No. W-L-2197

F Rating — 1 Hr  
T Rating — 1/2 Hr

WL 2197



1. Wall Assembly — The 1 hr fire rated wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 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 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.
  - B. Gypsum Board\* — One layer of nom 5/8 in. (16 mm) thick gypsum wallboard, as specified in the individual U300 or U400 Series Design in the Fire Resistance Directory. Max diam of opening is 2-1/4 in. (57 mm).
2. Optical Fiber Raceways+ — Nom 1 in. (25 mm) diam (or smaller) Optical Fiber Raceways+ . Optical fiber raceway installed in accordance with Article 770 of the National Electrical Code (NFPA No. 70). Raceway to be rigidly supported on both sides of wall assembly. The annular space between raceway and periphery of the smooth steel sleeve shall be min 1/4 in. (6 mm) to max 3/8 in. (10 mm).  
See Optical Fiber Raceway (QAZM) category in the Electrical Construction Material Directory for names of manufacturers.
3. Firestop System — The firestop system shall consist of the following:
  - A. Firestop Device\* — Smooth steel sleeve incorporating flat washers secured by sliding compression couplers. Device shall be installed in accordance with the accompanying instructions. Device provided in nom 1 and 2 in. (25 and 51 mm) sizes. Max diam of opening in wall for 1 and 2 in. (25 and 51 mm) sizes are 1-1/8 and 2-1/4 in. (29 and 57 mm) respectively.  
UNIQUE FIRE STOP PRODUCTS INC — Smooth Firestop
  - B. Fill, Void or Cavity Material\* — Sealant — Min 5/8 in. (16 mm) thickness of fill material applied within the annulus, flush with both ends of firestop device.  
HILTI INC — 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.

+Bearing the UL Listing Mark



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