



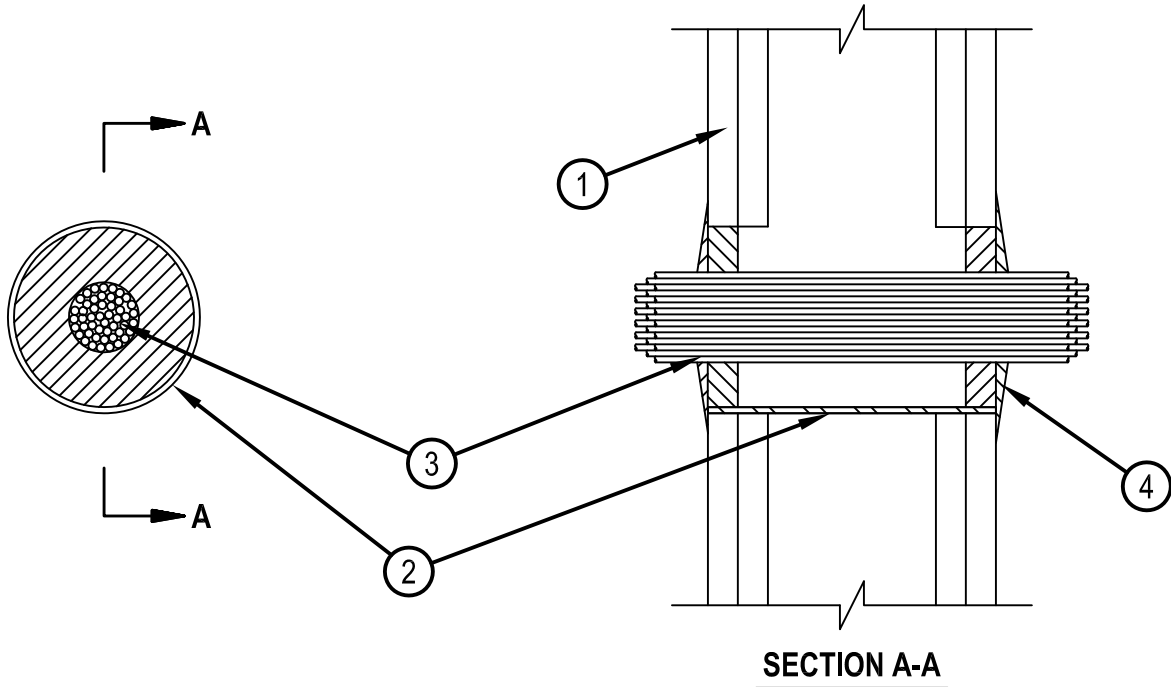
Classified by
Underwriters Laboratories, Inc.
to UL 1479 and CAN/ULC-S115

System No. W-L-3111

F Rating — 1 and 2 Hr

T Rating — 0 Hr

WL 3111



1. Wall Assembly — The fire — rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified if the individual U300 or U400 Series Wall and Partition Designs in the Fire Resistance Directory and shall include the following construction features:
 - A. Studs — Wall framing shall consist of either wood studs or channel shaped steel studs. Wood studs to consist of 2 by 4 in. lumber spaced 16 in. OC. Steel studs to be min 2-1/2 in. wide, fabricated from min 25 MSG galvanized steel, spaced max 24 in. OC.
 - B. Gypsum Board* — 5/8 in. 4 ft wide with square or tapered edges. The gypsum wallboard type, number of layers and sheet orientation shall be as specified in the individual U300 or U400 Series Designs in the UL Fire Resistance Directory. Max diam of opening is 4 in.
2. Metallic Sleeve — Optional — The nominal 4 in. diam steel electrical metallic tubing (EMT) or Schedule 5 steel pipe friction fit into wall assembly and installed flush with wall surfaces.
3. Cables — Aggregate cross — sectional area of cables in cable tray to be max 25 percent of the cross — sectional area of the opening. The annular space between the cable bundle and the periphery of the opening to be min 1/8 in. to max 3/4 in. Cables to be rigidly supported on both sides of the wall assembly. Any combination of the following types and sizes of cables may be used:
 - A. 6 pair — No. 24 AWG telephone cable with polyvinyl chloride (PVC) insulation and PVC jacket.
 - B. 24 fiber optic cable with polyvinyl chloride (PVC) outer and subunit jacket.
 - C. Type RGU/59 coaxial cable with polyethylene (PE) insulation and polyvinyl (PVC) jacket.
 - D. The 2/C No. 10 AWG cable with ground with polyvinyl (PVC) insulation and jacket.
 - E. 3/C No. 12 AWG cable with polyvinyl chloride (PVC) insulation in a nominal 1/2 in. flexible metal conduit.
4. Fill, Void or Cavity Material* — Putty — Min 5/8 in. thickness of fill material applied within annulus flush with both surfaces of wall. Fill material to be forced into interstices of cable bundle to the max extent possible on both surfaces of wall. Additional fill material to be installed such that a min 1/4 in. crown is formed around the cable bundle and lapped over the steel sleeve.

HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC — CP618 Firestop Putty Stick

*Bearing the UL Classification Mark



Hilti Firestop Systems

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