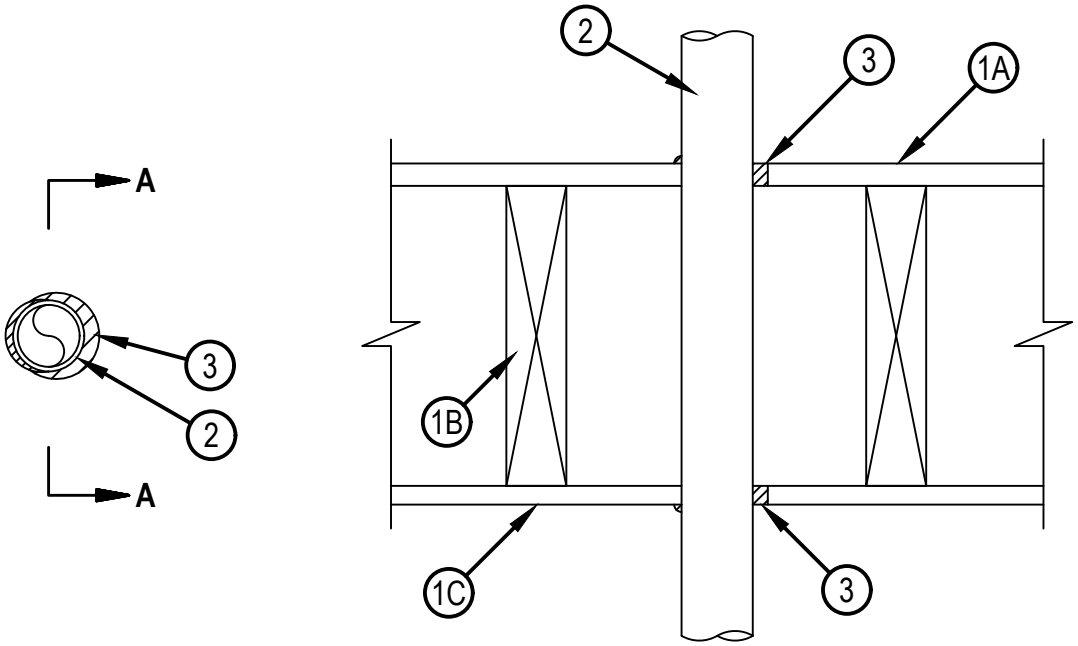
Classified by
Underwriters Laboratories, Inc.
to CAN/ULC-S115

CANADA ONLY

System No. F-C-2517

F Rating — 1 Hr
FT Ratings — 1/4, 3/4 and 1 Hr (See Item 2)
FH Rating — 0 Hr
FTH Rating — 0 Hr



SECTION A-A

System No. F-C-2517

CANADA ONLY

System tested with a pressure differential of 50 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side.

1. Floor-Ceiling Assembly — The 1 hr fire-rated solid or trussed lumber joist floor-ceiling assembly shall be constructed of the materials and in the manner specified in the individual L500 Series Floor-Ceiling Designs in the UL Fire Resistance Directory. The general construction features of the floor-ceiling assembly are summarized below:
   A. Flooring System — Lumber or plywood subfloor with finish floor of lumber, plywood or Floor Topping Mixture* as specified in the individual Floor-Ceiling Design. Diam of opening shall be 25 mm (1 in.) larger than the nom diam of through-penetrant (Item 2).
   B. Wood Joists* — Nom 254 mm (10 in.) deep (or deeper) lumber, steel or combination lumber and steel joists, trusses or Structural Wood Members* with bridging as required and with ends firestopped.
   C. Gypsum Board* — Nom 13 mm (1/2 in.) thick Type C board as specified in the individual Floor-Ceiling Design. Gypsum board secured to wood joists or furring channels as specified in the individual Floor-Ceiling Design. Diam of opening shall be 25 mm (1 in.) larger than the nom diam of through-penetrant (Item 2).
2. Through Penetrants — One non-metallic tube to be installed eccentrically or concentrically within the firestop system. Annular space between penetrant and periphery of opening shall be min 0 in. (point contact) to max 16 mm (5/8 in.) except that for penetrant types 2A, 2B and 2C, the max annular is 25 mm (1 in.). Penetrant to be rigidly supported on both sides of floor-ceiling assembly. The following types and sizes of non-metallic tubes or pipes may be used:
   A. Polypropylene (PP-R Pipe) — Nom 2 in. (63 mm OD) diam (or smaller) Aquatherm Greenpipe, PP-R plastic pipe (SDR 7.4) for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
   B. Polypropylene (PP-RCT Pipe) — Nom 2 in. (63 mm OD) diam (or smaller) Nupi Americas Niron PP-RTC pipe (SDR 7.3) for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
   C. XFR Polyvinyl Chloride (PVC) Pipe — Nom 51 mm (2 in.) diam (or smaller) Schedule 40 XFR-PVC pipe for use in closed (process or supply) or vented (drain, waste or vent) piping system.
   D. Polypropylene (PP-RCT Pipe) — Nom 2 in. (63 mm OD) diam (or smaller) Aquatechnik NA Fusion-Tech PP-RTC pipe (SDR 7.4) for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
   The FT Rating of the firestop system is 1/4 and 3/4 hr for penetrant types 2C and 2A, respectively. The FT Rating of the firestop system is 1 hr for penetrant types 2B and 2D.
3. Fill, Void or Cavity Materials* - Sealant — Min 19 mm (3/4 in.) depth of fill material applied within the annulus, flush with the top surface of floor. Min 13 mm (1/2 in.) thickness of fill material applied within annulus, flush with gypsum board ceiling. A min 6 mm (1/4 in.) diam bead of fill material shall also be applied at the point contact location at both sides of floor.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — 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.