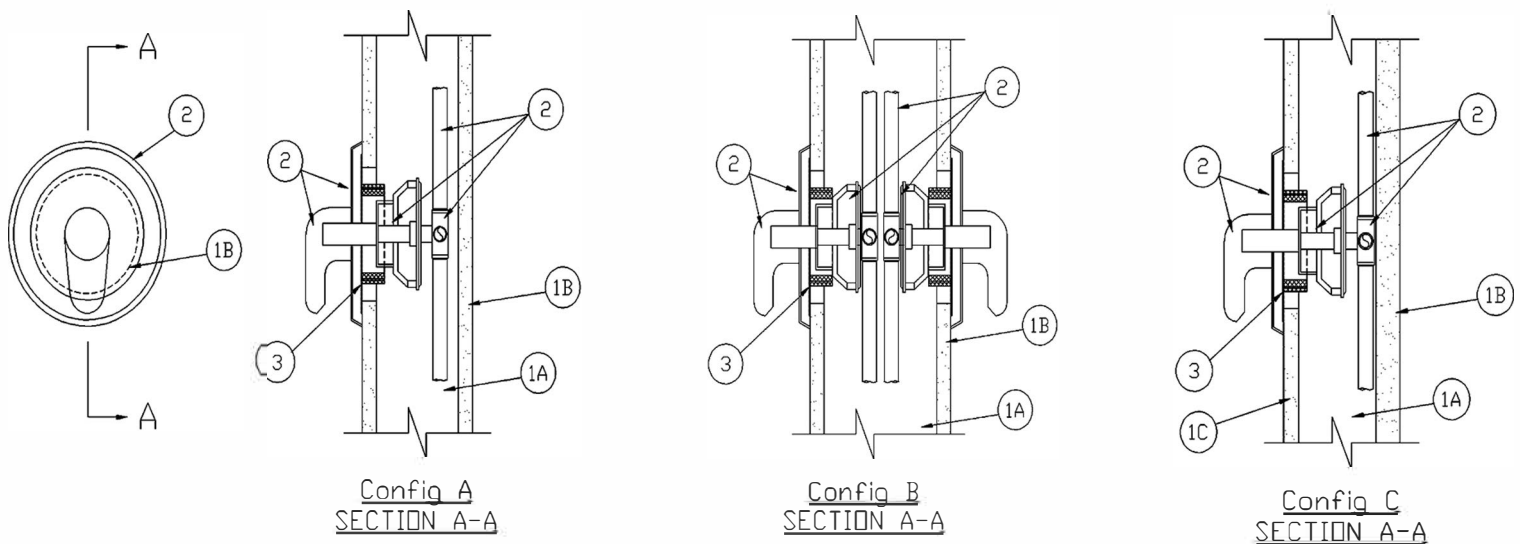


System No. W-L-7325
Through-penetration Firestop Systems
September 19, 2024

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Items 1 and 3)	F Ratings — 1 and 2 Hr (See Items 1 and 3)
T Ratings — 1 and 2 Hr (See Items 1 and 3)	FT Ratings — 1 and 2 Hr (See Items 1 and 3)
	FH Ratings — 1 and 2 Hr (See Items 1 and 3)
	FTH Ratings — 1 and 2 Hr (See Items 1 and 3)



1. Wall Assembly (Configuration A and B) — The 1 or 2 hr fire rated framed gypsum board 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 steel channel studs or wood studs. Steel studs to be min 3-5/8 (92 mm) or 6 in. (152 mm) wide and spaced max 24 in. (610 mm) OC. Wood studs to be nominal 2 by 4 in. (51 by 102 mm) or larger and spaced max 16 in. (406 mm) OC. (Config B) Wall framing to consist of nom 2 by 6 in. (51 by 152 mm) (or larger) wood or steel channel studs are required for back-to-back installations.

A1. Studs — As an alternate, wall framing may consist of double or staggered steel or wood to be min 2-1/2 in. (64 mm) or larger, spaced in accordance with the individual U300, U400, V400 Series Wall and Partition Designs. For Config A total wall thickness to be min 6-1/4 (159 mm). For Config B total wall thickness to be min 7-1/4 in. (184 mm) is required for back-to-back installations.

B. Gypsum Board* — The gypsum board type, thickness, number of layers and orientation shall be, as specified in the individual Wall and Partition Design. The diameter of cutout made to accommodate device (Item 3) is to be a maximum of 5 in. (127mm). The diameter of cutout made to accommodate Barri-Ring Oval device (item 3) is to be a maximum of 5.5 in. (140 mm) by 4.6 in. (116 mm).

The hourly F, T, FT, FH and FTH Ratings of the firestop system are equal to the hourly fire rating of the wall in which the firestop system is installed.

1A. **Shaft Wall Assembly** (Configuration C) — The 1 or 2 hr fire-rated gypsum board/stud shaft wall assembly shall be constructed of the materials and in the manner specified in the individual U400 and V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall incorporate the following construction features:

A. **Steel Studs** — "C-H" shaped studs, min 2-1/2 in. (64 mm) wide by 1-1/2 in. (38 mm) deep, fabricated from min No. 25 gauge galv steel spaced max 24 in. (610 mm) OC.

B. **Gypsum Board*** — 1 in. (25 mm) thick, 24 in. (610 mm) wide gypsum liner panels installed vertically. Max diam of opening is 4-1/2 in. (114 mm).

C. **Gypsum Board*** — One or two layers of min 5/8 in. (16 mm) thick gypsum board as specified in the individual Wall and Partition Design. The gypsum board type, thickness, number of layers, fastener type and sheet orientation shall be as specified in the individual Wall and Partition Series Design in the UL Fire Resistance Directory. Max diam of opening is 5 in. (127mm) to accommodate Barri-Ring device (item 3) or a max diam opening of 5.5 in. (140 mm) by 4.6 in. (116 mm) to accommodate Barri-Ring Oval device.

The hourly F, T, FT, FH and FTH Ratings of the firestop system are equal to the hourly fire rating of the wall in which the firestop system is installed.

2. **Tub and Shower Valve** — Single-handled tub/shower valve assembly including escutcheon plate with nonmetallic/nonferrous and stainless steel materials connected to nom 1/2 in. (13 mm) copper, brass, iron Crosslink Polyethylene (PEX), or solid or cell core Polyvinyl Chloride (PVC), or SDR 13.5 Chlorinated Polyvinyl Chloride (CPVC) supply pipes/tubes.

3. **Firestop Device*** - Membrane protective — Prefabricated steel ring with integral firestop material. Device inserted into wall opening centered around shower valve and held in place with the escutcheon plate. Devices can be installed back-to-back when installed in accordance with Configuration B.

FIRE SHIELD LLC — Barri-Ring or Barri-Ring Oval

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

Last Updated on 2024-09-19