

THROUGH-PENETRATION FIRESTOP SYSTEM

[Assembly Usage Disclaimer](#)

Search Parameters

Manufacturer

Holdrite

XHEZ - Through-penetration Firestop Systems

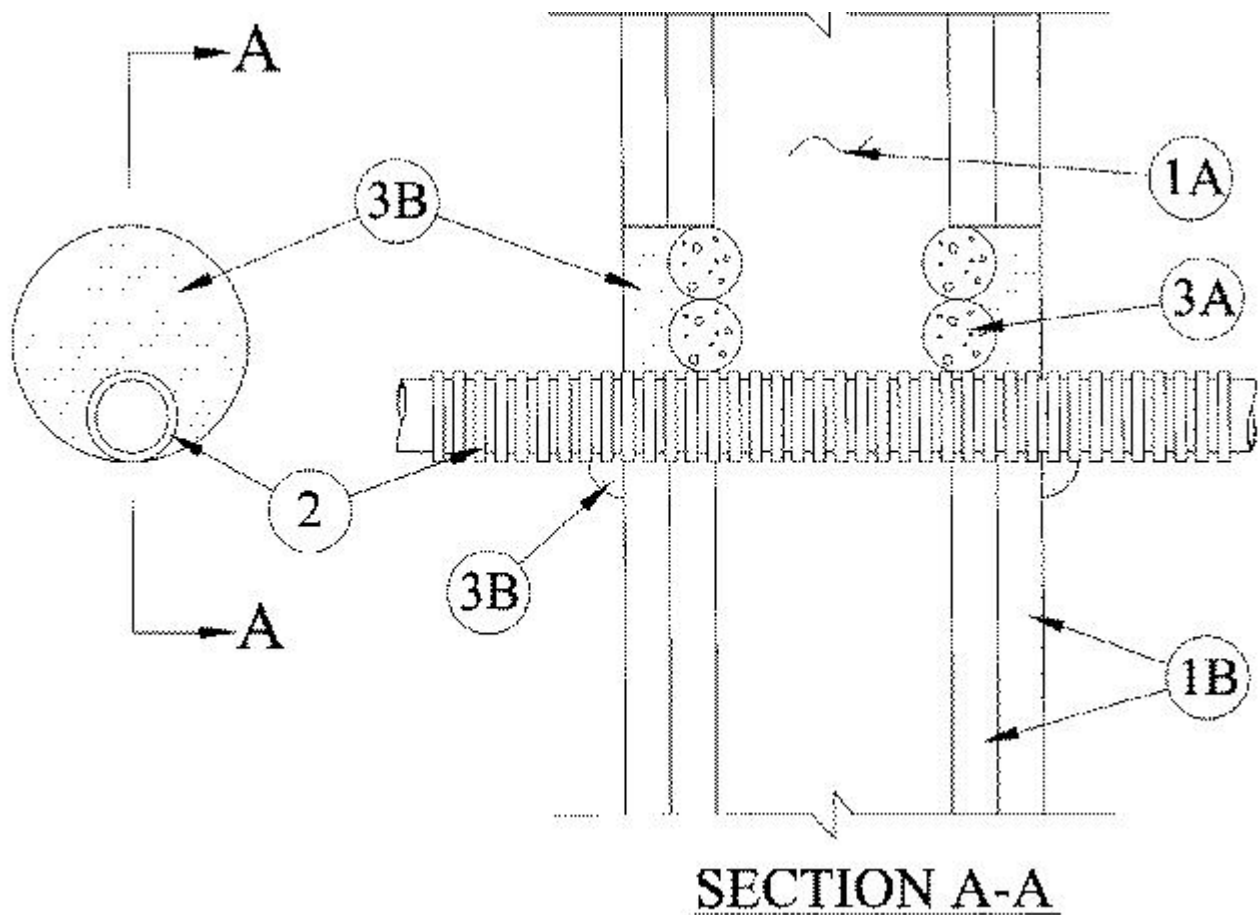
[See General Information for Through-penetration Firestop Systems](#)

System No. W-L-2711

January 30, 2019

F Ratings — 1 and 2 Hr (See Item 1)

T Ratings — 1, 1-3/4 and 2 Hr (See Item 1)



1. **Wall Assembly** — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300 or U400 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 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 3-1/2 in. (89 mm) wide and spaced max 24 in. (610 mm) OC.

B. **Gypsum Board*** — Min 5/8 in. (16 mm) thick, 4 ft (1.2 m) wide with square or tapered edges. The gypsum wallboard type, thickness, number of layers and orientation shall be as specified in the individual U300 or U400 Wall and Partition Design. Max diam of opening is 4 in.

The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed. The hourly T Rating of the firestop system is 1 hour when installed in 1 hr rated wall assemblies. When installed in 2 hr rated wall assemblies, the T Rating is 1-3/4 hr when the diam of the opening is greater than 2-1/16 in. (52 mm) larger than the outside diam of the penetrant and 2 hr when the diam of the opening is less than or equal to 2-1/16 in. (52 mm) larger than the outside diam of the penetrant.

2. Nonmetallic Penetrants — One nonmetallic penetrant to be installed either concentrically or eccentrically within the firestop system. The annular space between nonmetallic penetrant and periphery of opening shall be min 0 in. (0 mm) (point contact) to max 2-1/16 in. (52 mm). Through-penetrant shall be rigidly supported on both sides of wall assembly. The following types and sizes of nonmetallic penetrants may be used:

A. **Electrical Nonmetallic Tubing (ENT)+** — Nom 1 in. (25 mm) diam (or smaller) **Electrical Nonmetallic Tubing**. ENT installed in accordance with Article 331 of the National Electrical Code (NFPA No. 70).

See **Electrical Nonmetallic Tubing** (FKHU) category in the Electrical Construction Material Directory for names of manufacturers.

B. **Optical Fiber Raceways+** — Nom 1 in. (25 mm) diam (or smaller) **Optical Fiber Raceways**. Optical fiber raceways installed in accordance with Article 770 of the National Electrical Code (NFPA No. 70).

See **Optical Fiber Raceways** (QAZM) category in the Electrical Construction Material Directory for names of manufacturers.

3. Firestop System — The Firestop system shall consist of the following:

A. **Packing Material** — In 2 hr rated wall assemblies, foam backer rod firmly packed into opening as a permanent form. Packing material to be recessed from both surfaces of wall as required to accommodate the required thickness of fill material.

B. **Fill, Void or Cavity Material*— Caulk** — Min 1/2 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. At point contact location, a min 3/8 in. (10 mm) diam bead of fill material shall be applied to the wall/penetrant interface on both surfaces of the wall.

**RELIANCE WORLDWIDE CORPORATION DBA HOLDRITE
HYDROFLAME** — HydroFlame 200

*** 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 Marking

Last Updated on 2019-01-30

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, system, devices, and

materials.

- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer noted for the design. Users of fire resistance assemblies are advised to consult the general Guide Information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2019 UL LLC".

UL and the UL logo are trademarks of UL LLC © 2019 All Rights Reserved.