

THROUGH-PENETRATION FIRESTOP SYSTEM

[Assembly Usage Disclaimer](#)

Search Parameters

Manufacturer

Holdrite

XHEZ - Through-penetration Firestop Systems

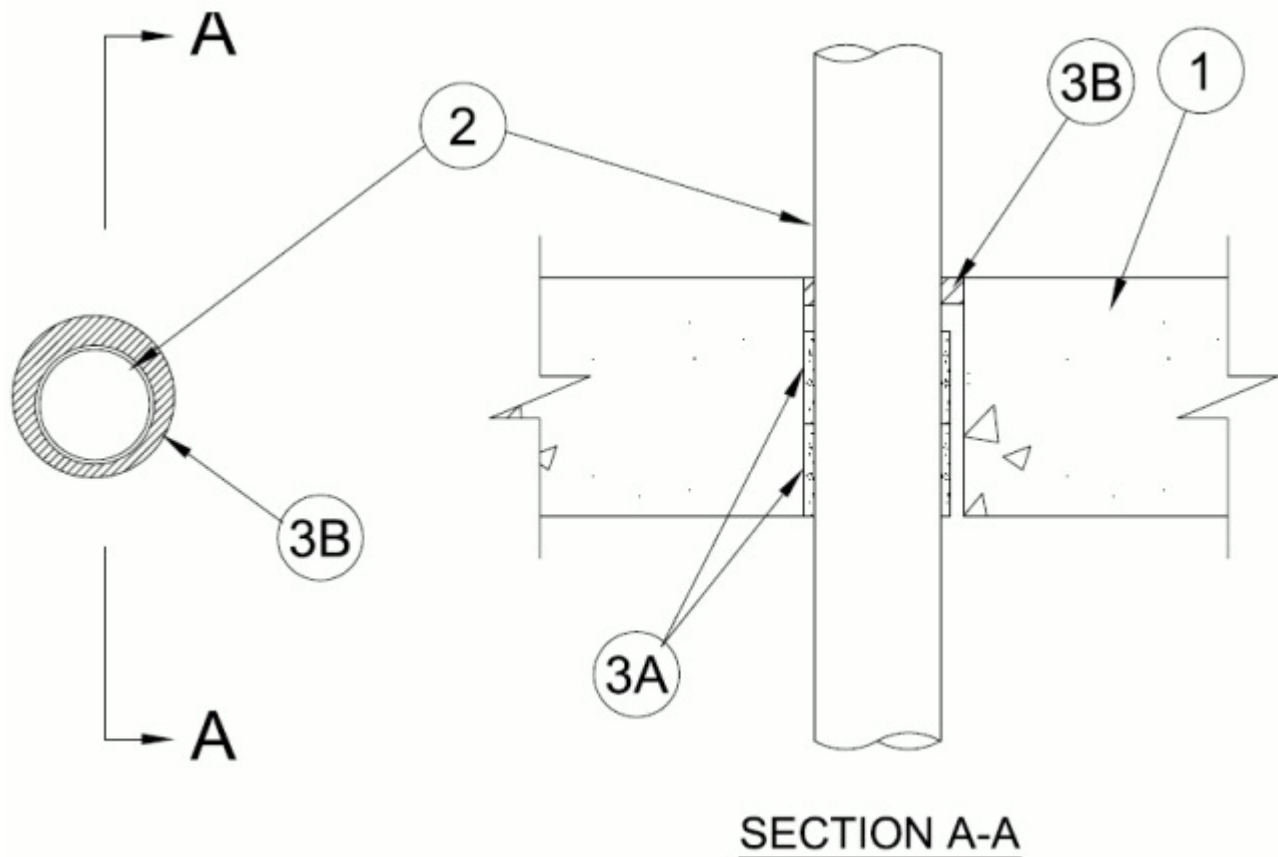
[See General Information for Through-penetration Firestop Systems](#)

System No. F-A-2306

February 06, 2019

F Rating — 2 Hr

T Rating — 2 Hr



System tested with a pressure differential of 2.5 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side.

1. **Floor or Wall Assembly** — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete. Max diam of opening is 4 in. (102 mm).

See **Concrete Blocks** (CAZT) in the Fire Resistance Directory for names of manufacturers.

2. **Through Penetrants** — One nonmetallic penetrant installed eccentrically or concentrically within the firestop system. The annular space between pipe and periphery of opening shall be min 1/4 in. (6 mm) to max 1/2 in. (13 mm). Pipe to be rigidly supported on both sides of the floor assembly. The following types and sizes of nonmetallic pipes may be used:

A. **Crosslinked polyethylene (PEX) Tubing** — Nom 3 in. (76 mm) diam (or smaller) UPONOR - WIRSBO PEX-a SDR 9 tube for use in closed (process or supply) or vented (drain, waste or vent) piping systems.

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

A. **Fill, Void or Cavity Materials* — Wrap Strip** — One layer of nom 1/4 in. (6 mm) thick by 2 in. (51 mm) wide intumescent elastomeric material faced on one side with a plastic film. Wrap strip individually wrapped around nonmetallic pipe (film side exposed) and slid into annular space with ends butted and held in

place with tape. Wrap strip to be double stacked. Bottom edge of wrap strip flush with bottom of surface of floor.

**RELIANCE WORLDWIDE CORPORATION DBA HOLDRITE
HYDROFLAME — HydroFlame Wrap Strip**

B. Fill, Void or Cavity Material* — Caulk — Min 1/2 in. (13 mm)
thickness of sealant applied within the annulus, flush with top surface of floor.

**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.**

Last Updated on 2019-02-06

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.