

# THROUGH-PENETRATION FIRESTOP SYSTEM

[Assembly Usage Disclaimer](#)

## Search Parameters

Manufacturer

Holdrite

## XHEZ - Through-penetration Firestop Systems

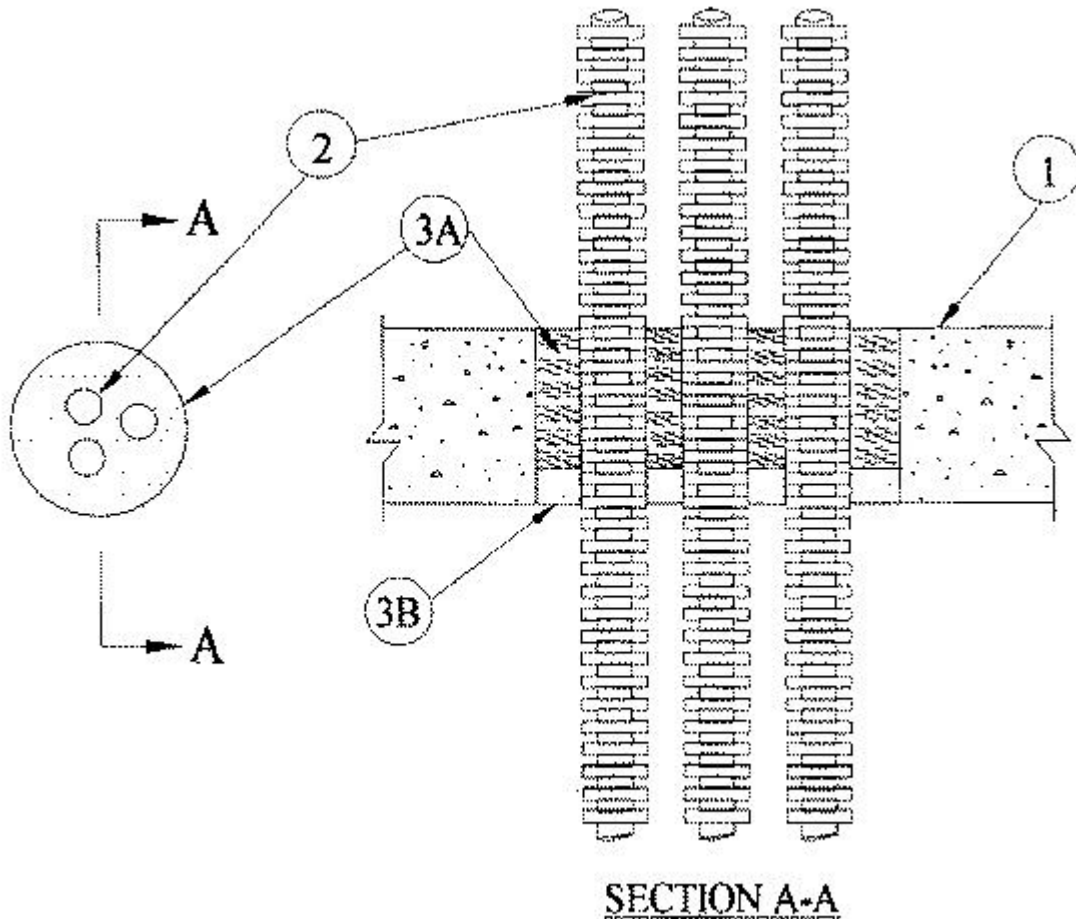
[See General Information for Through-penetration Firestop Systems](#)

### System No. C-AJ-2854

January 17, 2019

**F Rating — 2 Hr**

**T Rating — 1-1/2 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) (1600-2400 kg/m<sup>3</sup>) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks\***. Max diam of opening is 4 in. (102 mm)

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

2. **Nonmetallic Penetrants** — A max of three nonmetallic penetrants may be installed within the opening. Min separation between nonmetallic penetrants is 3/8 in. The annular space between nonmetallic penetrant and periphery of opening shall be min 5/16 in. (8 mm) to max 1-3/4 in. (44 mm). Through-penetrant shall be rigidly supported on both sides of floor or wall assembly. Any combination of the following types and sizes of nonmetallic penetrants may be used:

A. **Electrical Nonmetallic Tubing (ENT)+** — Nom 1 in. (25 mm) diam (or smaller) **Electric 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 raceway installed in accordance with Article 770 of the National Electrical Code (NFPA No. 70).

See **Optical Fiber Raceway** (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 —** Min 3-1/2 in. (89 mm) thickness of min 4 pcf (64 kg/m<sup>3</sup>) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from bottom surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.

**B. Fill, Void or Cavity Material\* — Caulk —** Min 1 in.(25 mm) thickness of fill material applied within the annulus, flush with bottom surface of floor or with both surfaces of 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 Mark

Last Updated on 2019-01-17

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### **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.

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