

THROUGH-PENETRATION FIRESTOP SYSTEM

Assembly Usage Disclaimer

Search Parameters

Manufacturer

Holdrite

XHEZ - Through-penetration Firestop Systems

XHEZ7 - Through-penetration Firestop Systems Certified for Canada

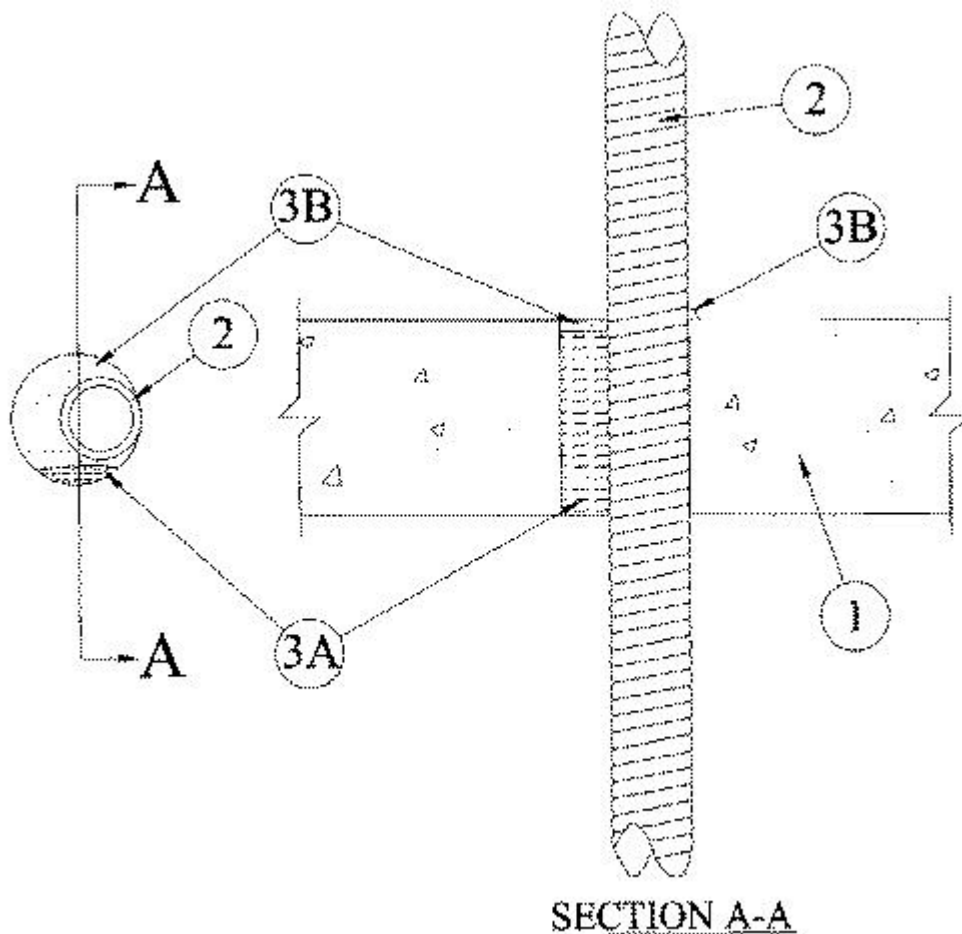
[See General Information for Through-penetration Firestop Systems](#)

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

System No. C-AJ-1699

January 14, 2019

ANSI/UL1479 (ASTM E814)	CAN/ULC S115	
F Rating - 3 Hr	F Rating - 3 Hr	
	FH Rating - 3 Hr	
T Ratings - 0 and 1-1/2 Hr (See Item 2)	FT Ratings - 0 and 1-1/2 Hr (See Item 2)	
	FTH Ratings -0 and 1-1/2 Hr (See Item 2)	



1. **Floor or Wall Assembly** — Min 4-1/2 in.(114 mm) thick reinforced lightweight or normal weight (100-150 pcf) (1600-2400 kg/m³) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening is 3 in.(76 mm)

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

2. **Through Penetrant** — One **Flexible Metal Conduit+** to be installed either eccentrically or concentrically within the firestop system. The annular space shall be min 0 in. (point contact) to max 1-1/8 in. (29 mm). Conduit to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of conduit may be used:

A. **Steel Flexible Metal Conduit** — Nom 1-1/2 in. (38 mm) diam (or smaller) steel flexible metal conduit. **When steel flexible metal conduit is used, the hourly T Rating of the firestop system is 1-1/2 hr.**

See **Flexible Metal Conduit** (DXUZ) category in the Electrical Construction Materials Directory for names of manufacturers.

B. **Aluminum Flexible Metal Conduit** — Nom 1-1/2 in. (38 mm) diam (or smaller) aluminum flexible metal conduit. **When aluminum flexible metal conduit is used, the hourly T Rating of the firestop system is 0 hr.**

See **Flexible Metal Conduit** (DXUZ) category in the Electrical Construction Materials Directory for names of manufacturers.

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

A. **Packing Material** — Min 4-1/4 in. (108 mm) thickness of min 4 pcf (64 kg/m³) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.

B. **Fill, Void or Cavity Materials* — Caulk** — Min 1/4 in. (6 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. At point contact location between concrete and conduit, a min 1/4 in. (6 mm) diam bead of fill material shall be applied to the concrete/conduit interface on top surface of floor or 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 2019-01-14

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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