

THROUGH-PENETRATION FIRESTOP SYSTEM

Assembly Usage Disclaimer

Search Parameters

Manufacturer

Holdrite

XHEZ - Through-penetration Firestop Systems

XHEZ7 - Through-penetration Firestop Systems Certified for Canada

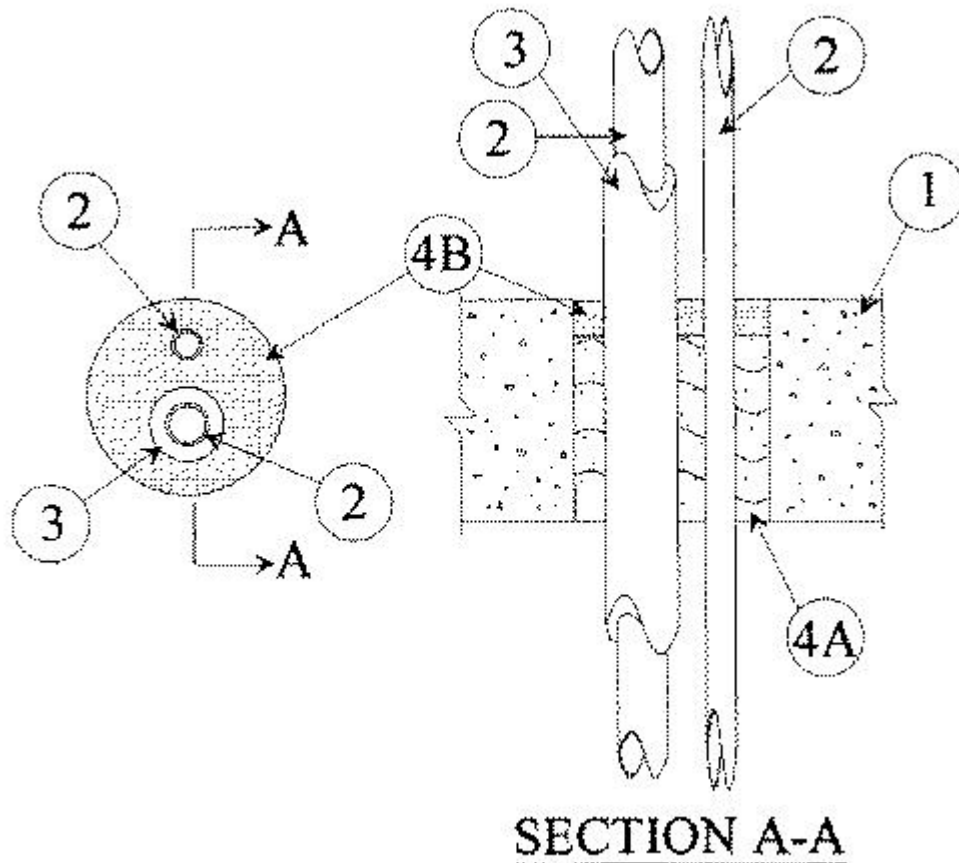
[See General Information for Through-penetration Firestop Systems](#)

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

System No. C-AJ-8292

February 04, 2019

ANSI/UL1479 (ASTM E814)	CAN/ULC S115	
F Rating - 3 Hr	F Rating -3 Hr	
	FH Rating -3 Hr	
T Rating - 0 Hr	FT Rating - 0 Hr	
	FTH Rating -0 Hr	



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 floor or min 5-1/4 in. (133 mm) thick reinforced lightweight or normal weight concrete wall. Wall may also be constructed of any UL Classified **Concrete Blocks***. Floor may also be constructed of any min 6 in. (152 mm) thick UL Classified hollow-core **Precast Concrete Units***. Max diam of opening is 4 in. (102 mm). See **Concrete Blocks** (CAZT) and **Precast Concrete Units** (CFTV) categories in the Fire Resistance Directory for names of manufacturers.

2. **Through Penetrants** — A max of two pipes, conduits or tubing to be installed within the opening. The space between pipes, conduits or tubing and periphery of opening shall be min 5/8 in. (16 mm). Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. **Steel Pipe** — Nom 3/4 in. (19 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. **Conduit** — Nom 3/4 in. (19 mm) diam (or smaller) electrical metallic tubing or steel conduit.

C. **Copper Tubing** — Nom 3/4 in. (19 mm) diam (or smaller) type L (or heavier) copper tubing.

D. **Copper Pipe** — Nom 3/4 in. (19 mm) diam (or smaller) regular (or heavier) copper pipe.

3. **Tube Insulation — Plastics+** — Nom 1/2 in. (13 mm) thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing installed only on one pipe. The annular space between tube insulation and through penetrants (Item 2) shall be 1/2 in. (13 mm). The annular space between the tube insulation and periphery of opening shall be 3/8 in. (10 mm).

See **Plastics+** — (QMFZ2) category in the Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation material meeting the above specifications and having a UL 94 Flammability Classification of 94-5VA may be used.

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

A. **Packing Material** — Min 3-3/4 in. (95 mm) thickness of min 4.5 pcf (72 kg/m³) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of solid concrete floor, or from both surfaces of wall or hollow-core floor as required to accommodate the required thickness of fill material.

B. **Fill, Void or Cavity Material*** — **Caulk** — Min 3/4 in. (19 mm) thickness of fill material applied within the annulus, flush with top surface solid concrete floor, or with both surfaces of wall or hollow-core floor.

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

*Bearing the UL Classification Marking

+Bearing the UL Recognized Component Mark

Last Updated on 2019-02-04

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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