

THROUGH-PENETRATION FIRESTOP SYSTEM

[Assembly Usage Disclaimer](#)

Search Parameters

Manufacturer

Holdrite

XHEZ - Through-penetration Firestop Systems

XHEZ7 - Through-penetration Firestop Systems Certified for Canada

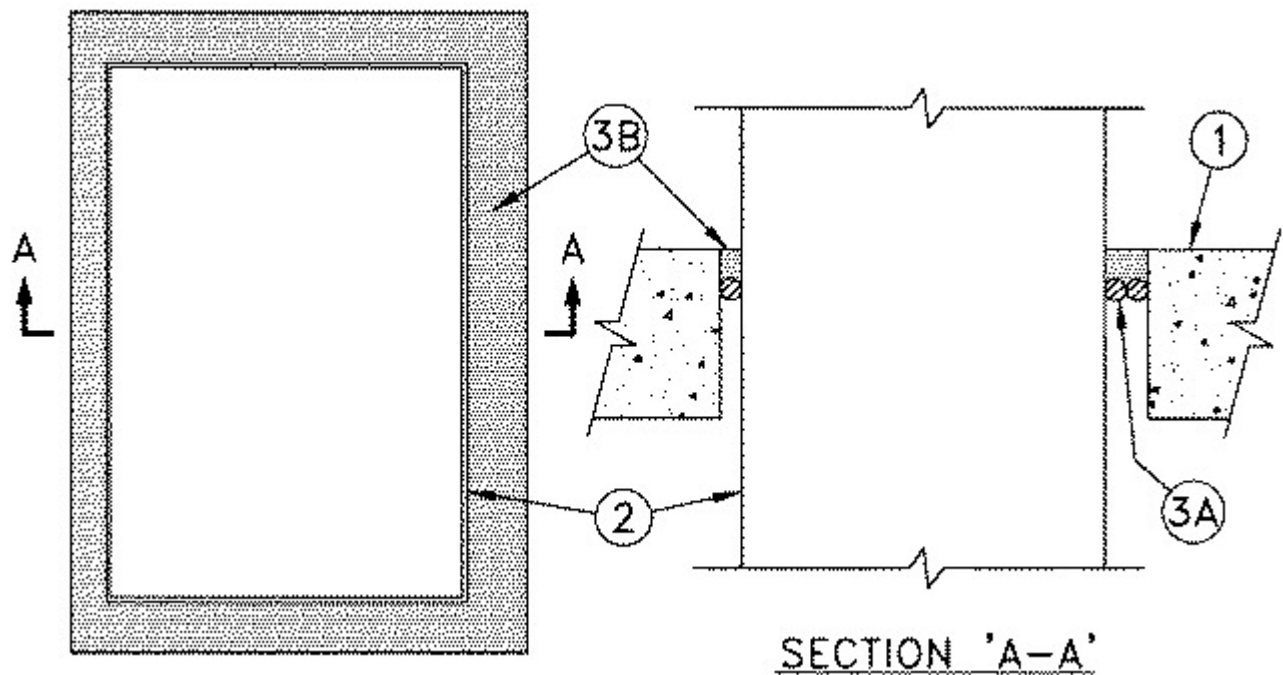
[See General Information for Through-penetration Firestop Systems](#)

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

System No. C-AJ-7204

January 24, 2019

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



1. **Floor or Wall Assembly** — Min 4-1/2 in. (114 mm) thick reinforced light weight or normal weight (100-150 pcf) concrete. Floor may also be constructed of any min 8 in. (203 mm) thick UL Classified hollow core **Precast Concrete Units***. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max area of opening is 384 sq. in. (2477 cm²) with max dimension of 32 in. (812 mm) When precast concrete units are used the max area of opening is 49 sq. in. (316 cm²) with max dimension of 7 in. (178 mm)

See **Concrete Blocks (CAZT)** and **Precast Concrete Units*** (CFTV) categories in the Fire Resistance Directory for names of manufacturers.

2. **Steel Duct** — Nom 30 by 10 in. (762 x 254 mm) (or smaller) by No. 24 gauge (or heavier) galv steel duct. One steel duct to be positioned within the firestop system. The annular space shall be min 1/2 in. to max 1-1/2 in. (13 to max 38 mm) Duct to be rigidly supported along its entire perimeter 4 in. (102 mm) from both floor or wall surfaces.

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

A. **Packing Material** — Nom 1 in. (25.4 mm) diam foam backer rod or min 4 pcf (64 kg/m³) mineral wool 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 to accommodate the required thickness of fill material.

B. **Fill, Void, or Cavity Materials* - Sealant** — Min 1 in. (25.4 mm) thickness of fill material applied within the annulus, flush with the top surface of floor or both surfaces of wall. When the floor is constructed of hollow-core precast concrete units, fill material shall be installed on both sides of the floor.

**RELIANCE WORLDWIDE CORPORATION DBA HOLDRITE
HYDROFLAME — HydroFlame 100**

*** 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 2019-01-24

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- 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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