THROUGH-PENETRATION FIRESTOP SYSTEM

Assembly Usage Disclaimer

Search Parameters

Manufacturer

Holdrite

XHEZ - Through-penetration Firestop Systems

XHEZ7 - Through-penetration Firestop Systems Certified for Canada

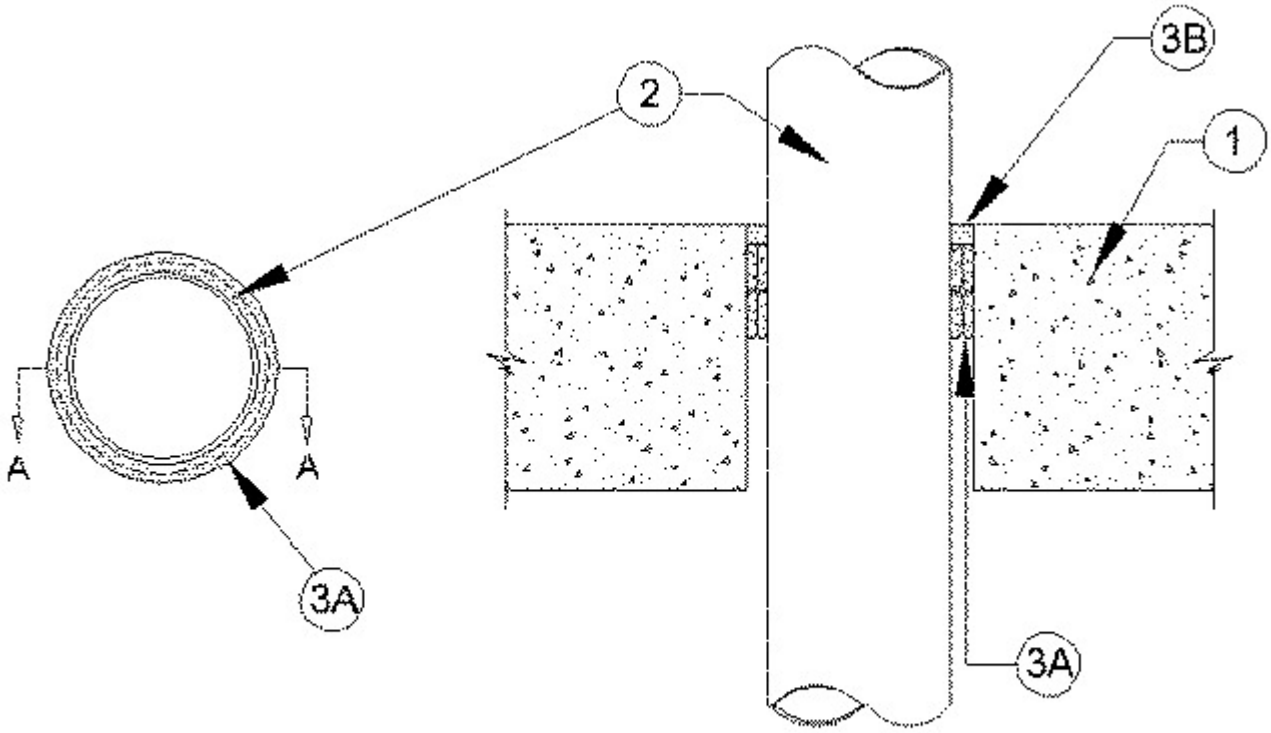
See General Information for Through-penetration Firestop Systems

See General Information for Through-penetration Firestop Systems Certified for Canada

System No. C-AJ-2848

January 15, 2019

ANSI/UL1479 (ASTM E814)	CAN/ULC S115	
F Rating — 3 Hr	F Rating — 3 Hr	
T Rating — 2-3/4 and 3 Hr (See Item 3)	FT Rating — 2-3/4 and 3 Hr (See Item 3)	
L Rating At Ambient — Less Than 1 CFM/sq ft	FH Rating — 3 Hr	
	FTH Rating — 2-3/4 and 3 Hr (See Item 3)	



SECTION A-A

System tested with a pressure differential of 50 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 lightweight or normal weight (100-150 pcf or 1600-2400 kg/m^3) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max diam of opening 5 in. (127 mm). See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. **Through Penetrants —** One nonmetallic pipe to be installed concentrically within the firestop system. Pipe to be rigidly supported on both sides of wall assembly. The following types and sizes of nonmetallic pipes may be used:

    A. **Polyvinyl Chloride (PVC) Pipe —** Nom 3 in. (76 mm) diam (or smaller) Schedule 40 cellular or solid core PVC pipe for use in vented (drain, waste or vent) piping systems.

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

    A. **Fill, Void or Cavity Material* — Wrap Strip —** One stack of nom 1/4 in. (6 mm) thick by 2 in. (51 mm) wide or two stacks of nom 1/4 in. (6 mm) thick by 1 in. (25 mm) wide intumescent wrap strip individually wrapped around the outer circumference of the pipe with ends butted and held in place with tape or tie wire. Butted ends in successive laters shall be offset. Wrap strip slid into annualr space and recessed from the top surface of floor or from both surfaces of wall to accommodate the required thickness of fill

material. The pipe size, annular space, number of wrap strip layers and resulting T Rating is shown in the table below:

Nom Pipe Diam, In. (mm)	Annular Space, In. (mm)	No. of Wrap Strip Layers	T Rating, Hr
2 (51) or smaller	1/4 (6) to 5/16 (8)	1	2-3/4
3 (76) or smaller	1/2 in. (13) to 3/4 (19)	2	3

RELIANCE WORLDWIDE CORPORATION DBA HOLDRITE HYDROFLAME — HydroFlame Wrap Strip

B. **Fill, Void or Cavity Material* — Caulk —** Min 6 mm (1/4 in.) thickness of fill material applied within the annulus, flush with the 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.**

Last Updated on 2019-01-15

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- 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.
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