XHEZ.W-J-1316 - Through-penetration Firestop Systems

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.

XHEZ - Through-penetration Firestop Systems
XHEZ7 - Through-penetration Firestop Systems Certified for Canada

See General Information for Through-penetration Firestop Systems

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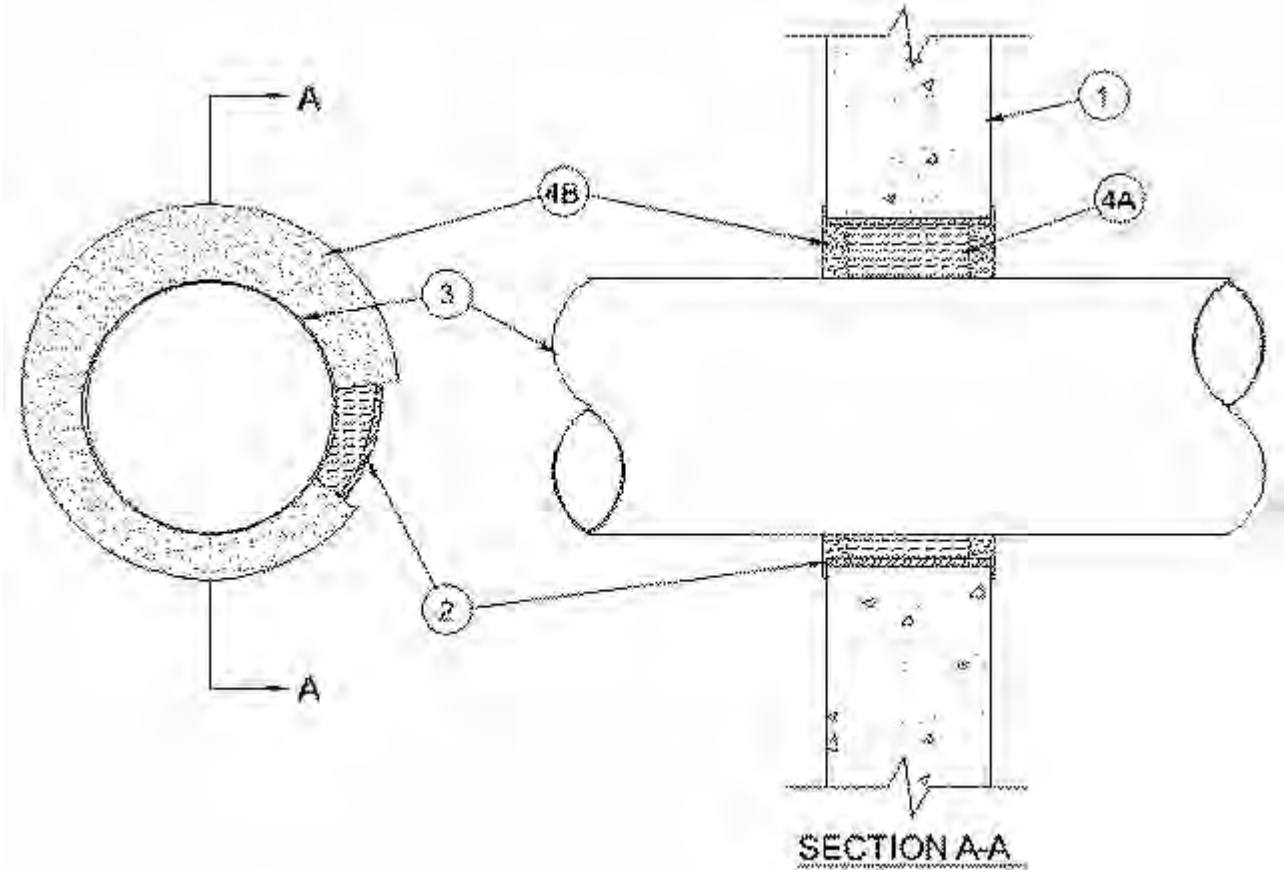
System No. W-J-1316

January 10, 2020

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating - 2 Hr	F Rating -2 Hr
	FH Rating -2 Hr
T Rating - 0 Hr	FT Rating - 0 Hr
	FTH Rating -0 Hr



1. **Wall Assembly —** Min 5 in. (127 mm) thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of sleeved opening is 34 in. (864 mm).
See **Concrete Blocks (CAZT)** category in the Fire Resistance Directory for names of manufacturers.

2. **Steel Sleeve —** Nom 34 in. (864 mm) diam (or smaller) Schedule 10 (or lighter) steel pipe sleeve cast or grouted into opening flush with both surfaces of the wall.

3. **Through Penetrant —** One metallic pipe, tubing or conduit installed either concentrically or eccentrically within the firestop system. The annular space between the penetrant and the sleeve shall be min 9/16 in. (14 mm) to max 1-9/16 in. (40 mm). Pipe, tubing or conduit to be rigidly supported on both sides of wall assembly. The following types and sizes of metallic pipes, tubing or conduit may be used:

A. **Steel Pipe —** Nom 30 in. (762 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe.

B. **Iron Pipe —** Nom 30 in. (762 mm) diam (or smaller) cast or ductile iron pipe.

C. **Copper Tubing —** Nom 6 in. (152 mm) diam (or smaller) Type L (or heavier) copper tubing.

D. **Copper Pipe —** Nom 6 in. (152 mm) diam (or smaller) Regular (or heavier) copper pipe.

E. **Conduit —** Nom 6 in. (152 mm) diam (or smaller) rigid steel conduit.

F. **Conduit —** Nom 4 in. (102 mm) diam (or smaller) steel electrical metallic tubing (EMT).

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

A. **Packing Material —** Min 4-1/2 in. (114 mm) thickness of min 4 pcf (64 kg/cu. meter) mineral wool batt insulation firmly packed into the opening as a permanent form, recessed from both surfaces of the wall to accommodate required thickness of fill material.

B. **Fill, Void or Cavity Materials - Sealant —** Min 1/4 in. (6 mm) thickness of fill material applied within annular space with a min 1/16 in. (2 mm) thickness of fill material overlapping the ends of the sleeve and the surfaces of the wall by

min 3/8 in. (10 mm) total.

RELIANCE WORLDWIDE CORPORATION DBA HOLDRITE HYDROFLAME — HydroFlame 300 CG

* 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 2020-01-10