System No. W-J-1204
XHEZ.W-J-1204
Through-penetration Firestop Systems

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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

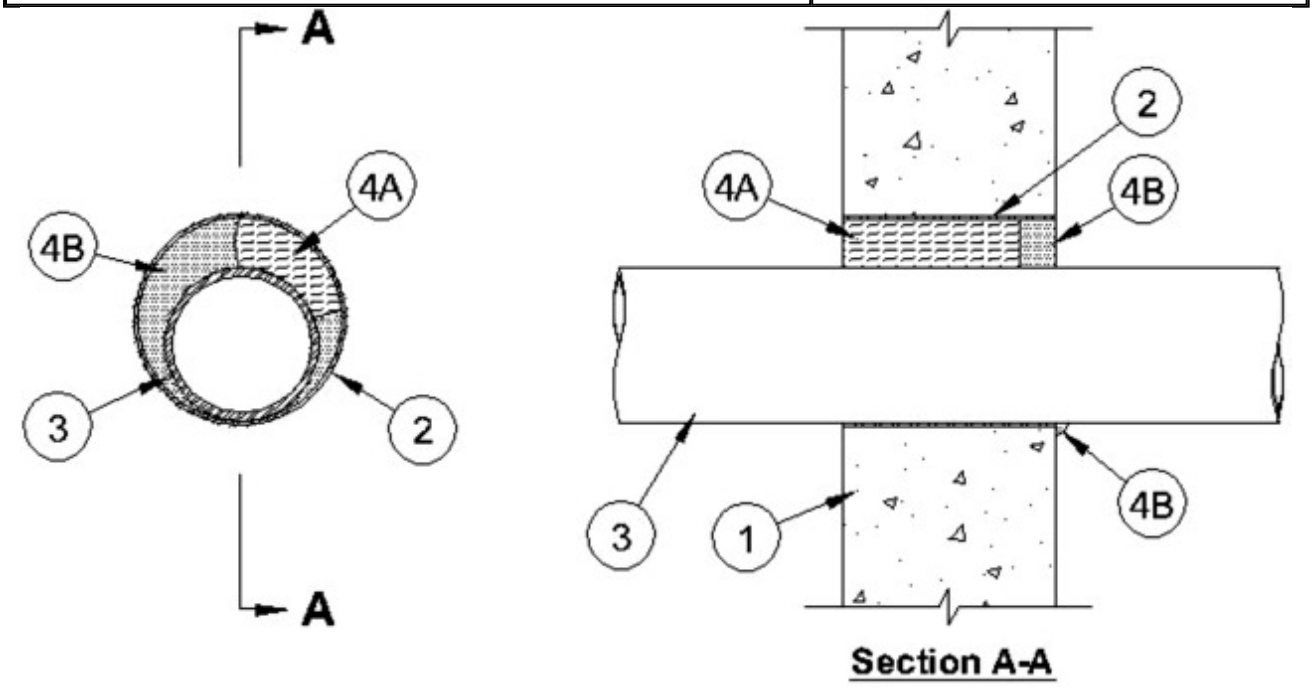
See General Information for Through-penetration Firestop Systems

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

System No. W-J-1204

June 14, 2016

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



1. **Wall Assembly —** Min 6 in. (152 mm) thick lightweight of normal weight (100-150 pcf (1600-2400 kg/m^3)) concrete wall assembly. Wall may also be constructed of any UL Classified **Concrete Blocks***. Circular opening in wall to be min 1 in. (25 mm) larger than outside diam of pipe. Max diam of opening is 10 in. (254 mm).

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

2. **Steel Sleeve —** (Optional) - Max 10 in. (254 mm) diam cylindrical sleeve fabricated from min No. 30 gauge (0.016 in. (0.4 mm)) to max No. 16 gauge (0.056 in. (1.4 mm)) thick galv steel and having a min 2 in. (51 mm) lap along the longitudinal seam. As an alternate, a nom 10 in. (254 mm) diameter (or smaller) Schedule 10 (or heavier) steel pipe sleeve may be used. Sleeve to be cast or grouted into wall with ends of sleeve flush with or recessed max 1/8 in. (3 mm) from wall surfaces.

3. **Through Penetrant —** One metallic pipe, conduit or tube to be installed either concentrically or eccentrically within the firestop system. Annular space to be min 0 in. (point contact) to max 2 in. (51 mm). Pipe to be located near the center of the stud cavity width and to be rigidly supported on both sides of wall assembly. The following types and sizes of pipe, conduit and tubing may be used:

A. **Steel Pipe —** Nom 8 in. (203 mm) diam (or smaller) Sch 10 (or heavier) steel pipe.

B. **B. Iron Pipe —** Nom 8 in. (203 mm) diam (or smaller) cast or ductile iron pipe.

C. **Conduit —** Nom 6 in. (152 mm) diam (or smaller) steel conduit or max 4 in. (102 mm) diam steel electrical metallic tubing.

D. **Copper Tube —** Nom 4 in. (102 mm) diam (or smaller) Type L (or heavier) copper tubing.

E. **Copper Pipe —** Nom 4 in. (102 mm) diam (or smaller) Regular (or heavier) copper pipe.

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

A. **Packing Material —** Min 5 in. (127 mm) thickness of min 4 pcf (64 kg/m^3) density mineral wool batt insulation firmly-packed into steel sleeve as a permanent form. Packing material to be recessed from one side of wall as required to accommodate the required thickness of fill material.

B. **Fill, Void or Cavity Material* - Caulk —** Min 1 in. (25 mm) thickness of fill material applied within the annulus, flush with one surface of wall. Min 3/8 in. (10 mm) diam bead of caulk to be applied at point contact location. Edge of steel sleeve, when used, to be covered with caulk.

A/D FIRE PROTECTION SYSTEMS INC — A/D FIREBARRIER Intumescent Sealant, A/D FIREBARRIER Intumescent Sealant II

*** 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 2016-06-14