System No. W-J-5168
XHEZ7.W-J-5168
Through-penetration Firestop Systems Certified for Canada

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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

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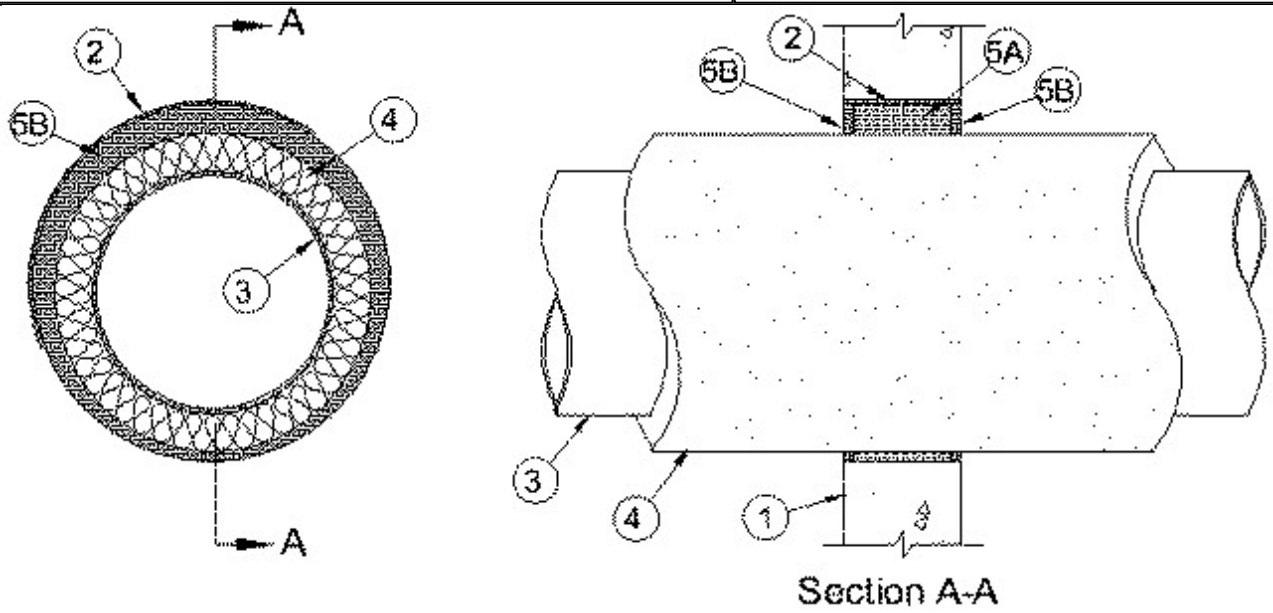
June 02, 2016

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 Hr	F Rating —2 Hr
T Rating — 1-1/2 Hr	FT Rating —1-1/2 Hr
	FH Rating —2 Hr
	FTH Rating —1-1/2 Hr



1. **Wall Assembly —** Min 6 in. thick lightweight of normal weight (100-150 pcf) concrete wall assembly. Wall may also be constructed of any UL Classified **Concrete Blocks***. Circular opening in wall to be min 1 in. larger than outside diam of insulated pipe. Max diam of opening is 21 in.

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

2. **Steel Sleeve —** (Optional) — Max 21 in. diam cylindrical sleeve fabricated from min 0.056 in. thick (16 ga) galv steel and having a min 2 in. lap along the longitudinal seam. As an alternate, a nom 22 in. 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. from wall surfaces.

3. **Pipe —** Nom 16 in. diameter (or smaller) cast iron, ductile iron or Schedule 10 (or heavier) steel pipe. One pipe to be installed either concentrically or eccentrically within the firestop system. Pipe to be rigidly supported on both sides of wall assembly.

4. **Pipe Covering* —** Nom 1-1/2 in. thick hollow cylindrical heavy density (min 3.5 pcf) glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product. The annular space within the firestop system shall be min 1/4 in. to max 1-1/2 in.

See **Pipe and Equipment Covering — Materials** (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

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

A. **Packing Material —** Min 5 in. thickness of min 4 pcf density mineral wool batt insulation firmly-packed into steel sleeve as a permanent form. Packing material to be recessed from both surfaces of wall as required to accommodate the required thickness of fill material.

B. **Fill, Void or Cavity Material* — Caulk —** Min 1/2 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. Edges of steel sleeve 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 2016-06-02