



System No. C-AJ-5374
XHEZ7.C-AJ-5374
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

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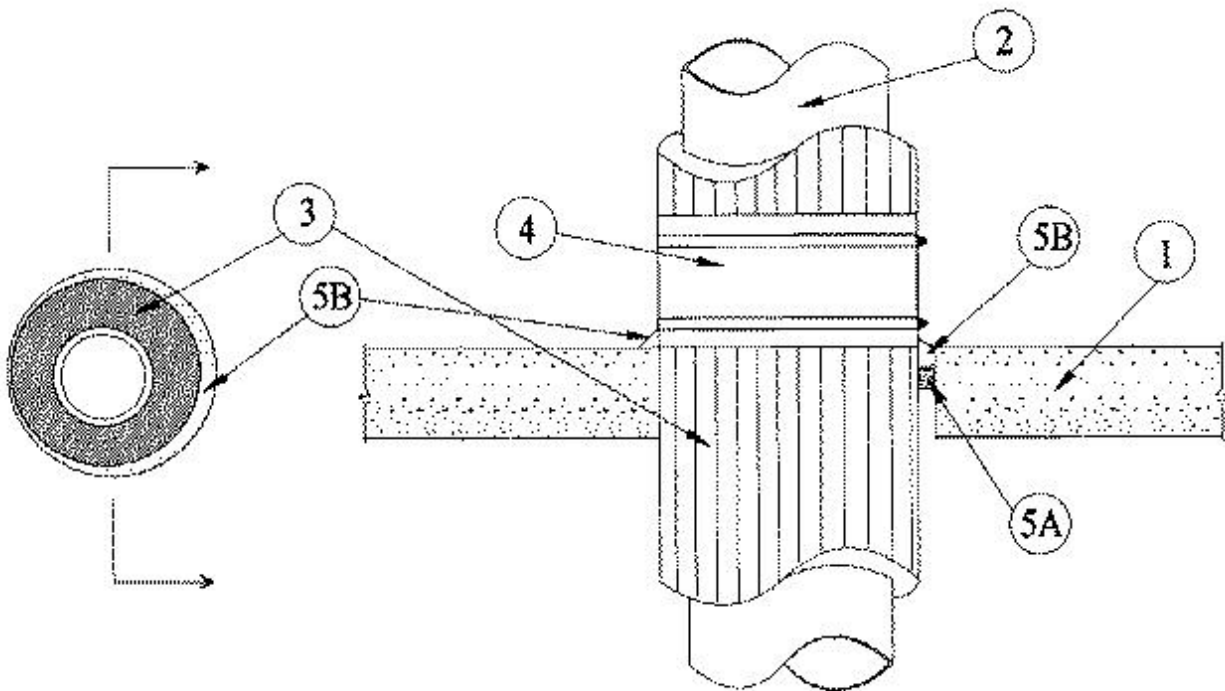
[See General Information for Through-penetration Firestop Systems](#)

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System No. C-AJ-5374

April 22, 2016

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



SECTION A-A

1. **Floor or Wall Assembly** — Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max Diam of opening is 16 in.

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

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

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

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

3. **Pipe Covering Materials* — Cellular Glass Insulation** — Nom 3 in. thick cellular glass units sized to the outside diam of the through penetrant and supplied in nom 24 in. long half sections or nom 18 in. long segments. Pipe insulation installed in accordance with the manufacturer's instructions. The annular space between the insulated pipe and periphery of opening shall be min 0 in. to max 1-3/8 in.

4. **Metal Jacket** — Min 10 in. long jacket of min 0.010 in. thick aluminum or steel sheet cut to wrap tightly around the pipe insulation with a min 2 in. lap and secured using two min 1/2 in. stainless steel hose clamps. Hose clamps to be located within 2 in. of each end of the jacket and spaced max 8 in. OC. Jacket to be installed with edge abutting surface of caulk fill material (Item 5B) on the top surface of floor or both surfaces of wall. Metal jacket to be used in addition to any other jacketing material which may be required or desired on the pipe insulation.

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

A. **Packing Material** — (Optional) — Foam backer rod firmly packed into the opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.

B. **Fill, Void or Cavity Material* — Caulk** — Min 1 in. thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. At the point contact location between pipe covering material and concrete, a min 1/2 in. diam bead of fill material shall be applied at the concrete/pipe covering material interface on the top surface of floor and on both surfaces of wall.

A/D FIRE PROTECTION SYSTEMS INC — A/D FIREBARRIER Intumescent Sealant or 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 2016-04-22

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

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