



**System No. C-AJ-2538**  
**XHEZ.C-AJ-2538**  
**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.
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**XHEZ - Through-penetration Firestop Systems**

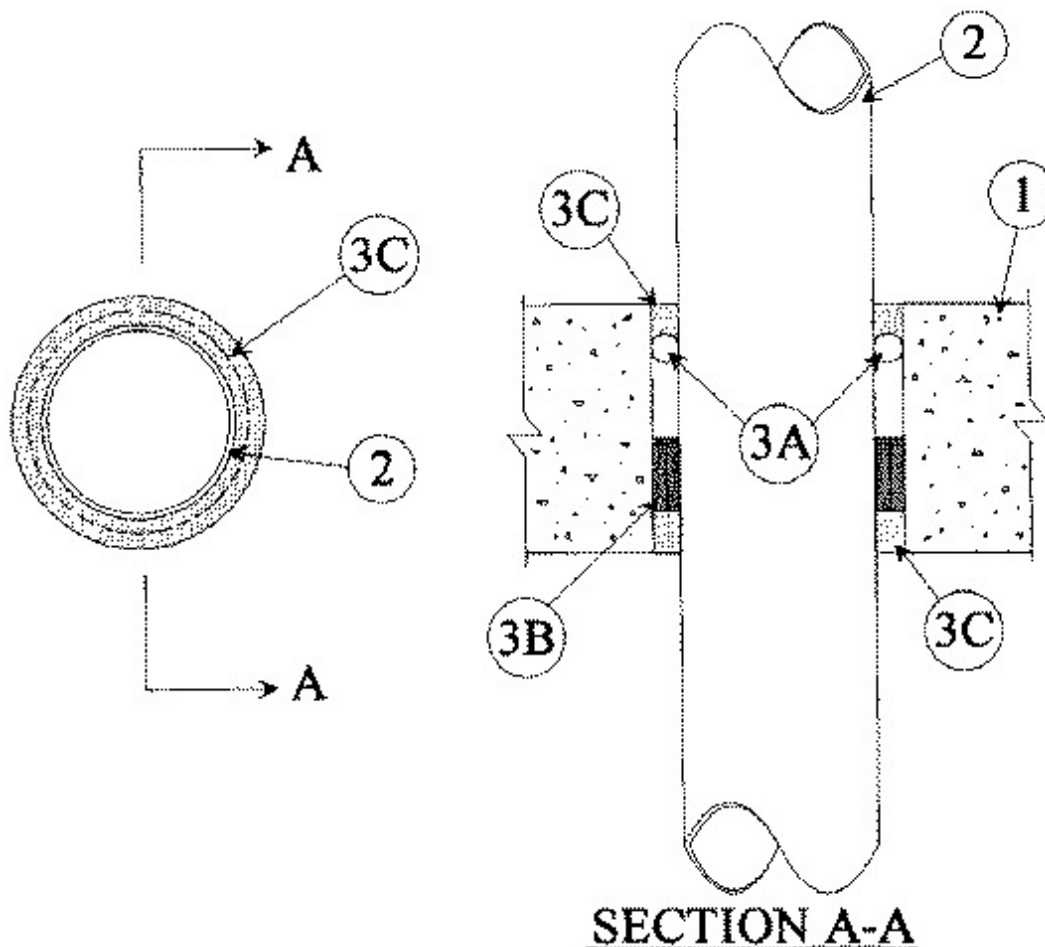
See General Information for Through-penetration Firestop Systems

**System No. C-AJ-2538**

August 10, 2006

**F Rating — 3 Hr**

**T Rating — 0 Hr**



1. **Floor or Wall Assembly** — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m<sup>3</sup>) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks\***. Max diam of opening is 4-1/2 in. (114 mm).

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

2. **Nonmetallic Pipe** — Nom 3 in. (76 mm) diam Schedule 40 Fire Retardant Polypropylene (FRPP) pipe for use in closed (process or supply) or vented (drain, waste or vent) piping systems. One pipe to be centered within the firestop system. A nom annular space of 1/2 in. (13 mm) is required in the firestop system. Pipe to be rigidly supported on both sides of floor or wall assembly.

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

A. **Packing Material** — Foam backer rod firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor as required to accommodate the required thickness of fill material. Backer rod not required for walls.

B. **Fill, Void or Cavity Material\* - Wrap Strip** — Nom 1/4 in. (6 mm) thick by 1 in. (25 mm) wide intumescent wrap strip. The wrap strip is continuously wrapped around the outer circumference of the pipe covering two times and slid into the annular space. When multiple wrap strips are used to achieve the required total length, the ends are to be butted end to end and held in place with aluminum tape. The bottom edge of the wrap strip shall be recessed 1/2 in. (13 mm) from the bottom surface of the concrete floor. In walls, the wrap shall be installed on both surfaces of the wall such that the exposed edge of the wrap strip is recessed 1/2 in. (13 mm) from each side of the wall.

**A/D FIRE PROTECTION SYSTEMS INC** — A/D FIREBARRIER Wrap Strip

C. **Fill, Void or Cavity Material\* - Caulk** — Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with both surfaces of floor or wall.

**A/D FIRE PROTECTION SYSTEMS INC** — A/D Silicone Firebarrier Sealant [S/L (floors only) or G/G (floor or walls)].

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.

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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