



System No. C-AJ-1126 XHEZ.C-AJ-1126 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

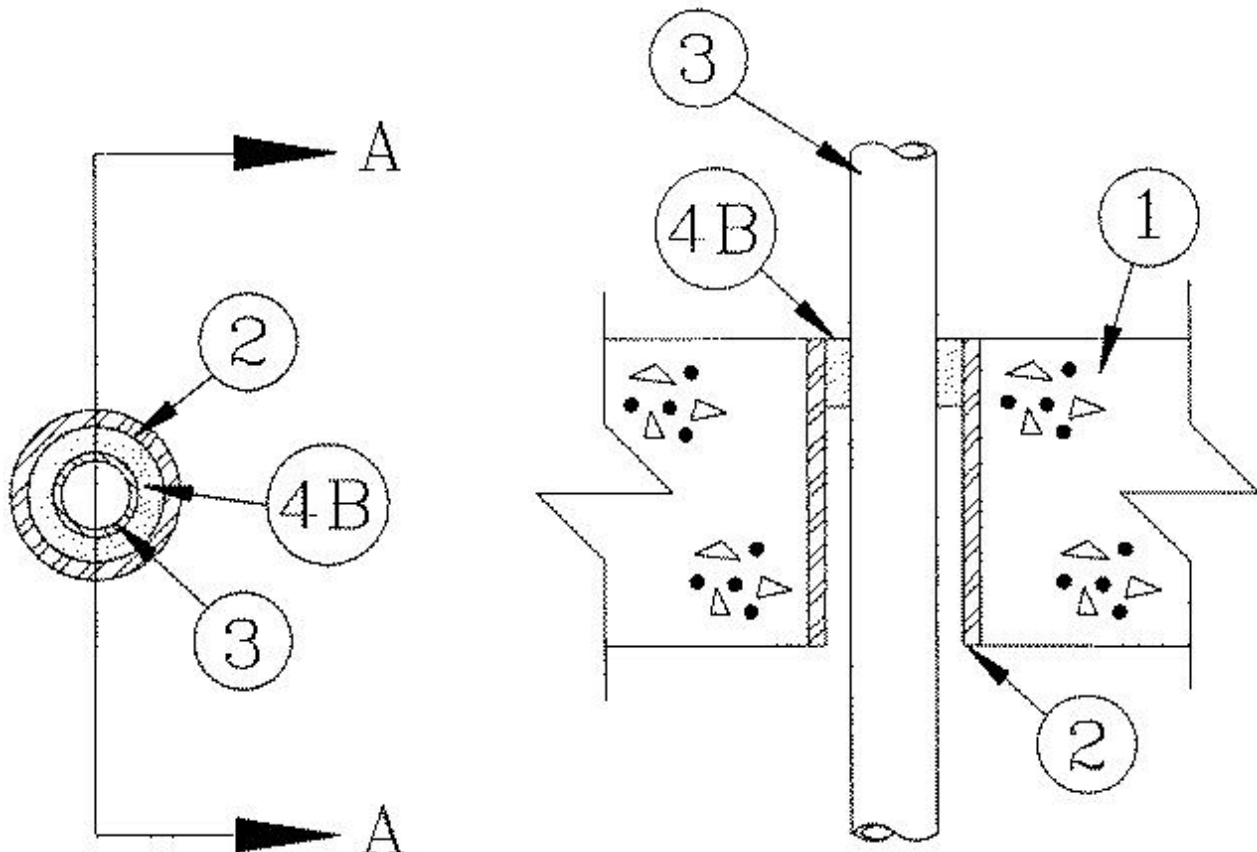
[See General Information for Through-penetration Firestop Systems](#)

System No. C-AJ-1126

February 04, 1994

F Rating — 3 Hr

T Rating — 3/4 Hr



1. **Floor or Wall Assembly** — Min 4-1/2 in. thick reinforced normal weight (140-150 pcf) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks** *. Max diam of opening is 2-1/2 in.

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

2. **Metallic Sleeve** — (Optional) Nom 2-1/2 in. diam (or smaller) steel EMT, conduit or pipe cast or grouted into floor or wall assembly, flush with floor or wall surfaces.

3. **Through Penetrants** — One metallic pipe, conduit or tubing to be centered within the firestop system. A nom annular space of 7/16 in. is required within the firestop system. Pipe, conduit or tubing to be rigidly supported on both sides of floor or wall assembly. The following types and sizes of metallic pipes, conduits or tubing may be used:

A. **Steel Pipe** — Nom 1-1/4 in. diam (or smaller) Schedule 5 (or heavier) steel pipe.

B. **Conduit** — Nom 1-1/4 in. diam (or smaller) steel electrical metallic tubing or steel conduit.

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

A. **Packing Material** — (Not Shown) — Nom 1 in. diam polyurethane backer rod friction fitted into opening. 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*** — **Mortar** — Min 1 in. thickness of fill material applied within annulus, flush with top surface of floor and with both surfaces of wall. Mortar to be mixed at a rate of 2.7 parts dry mixture to one part water by weight in accordance with the installation instructions supplied with the product.

A/D FIRE PROTECTION SYSTEMS INC — A/D FireBarrier Mortar

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

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