



System No. C-AJ-1196 XHEZ.C-AJ-1196 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

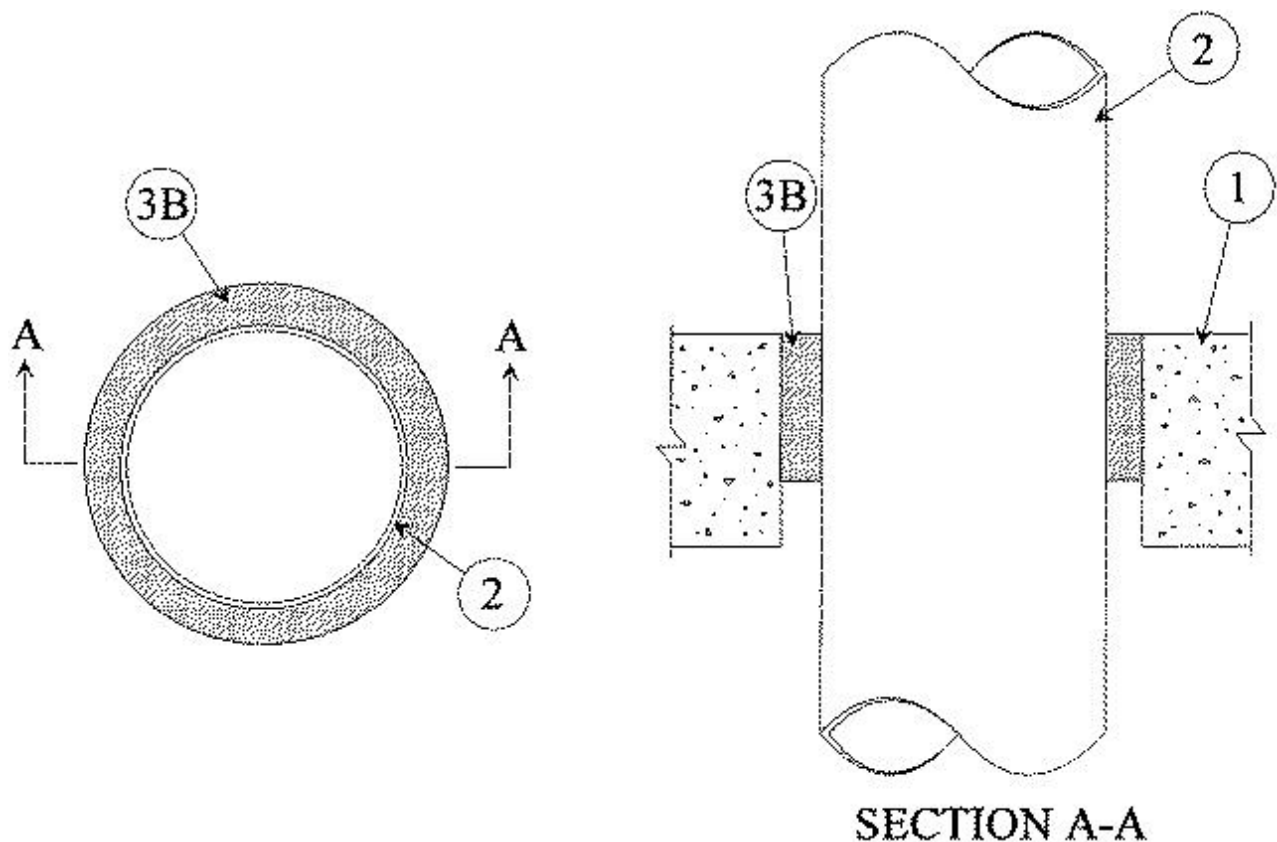
[See General Information for Through-penetration Firestop Systems](#)

System No. C-AJ-1196

March 31, 1995

F Rating — 3 Hr

T Rating — 0 Hr



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 28 in.

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

2. **Through Penetrants** — Nom 24 in. diam (or smaller) Schedule 10 (or heavier) steel pipe. One metallic pipe to be centered within the firestop system. A nom annular space of 2 in. is required within 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. **Forms** — (Not Shown) — Used as a form to prevent leakage of fill material during installation. Forms to be a rigid sheet material, cut to fit the contour of the penetrating item. In floors, forms to be recessed from top surface of floor as required to accommodate the required thickness of fill material. In walls, forms to be fastened to both sides of wall. Forms to be removed after fill material has cured.

B. **Fill, Void or Cavity Material* — Mortar** — Min 3 in. thickness of fill material applied within annulus, flush with top surface of floor or with both surfaces of wall. Mortar to be mixed with water at a rate of 15.5 lbs. of dry mixture to 2.6 quarts of water in accordance with the accompanying 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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