



System No. C-AJ-7125 XHEZ.C-AJ-7125 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

XHEZ7 - Through-penetration Firestop Systems Certified for Canada

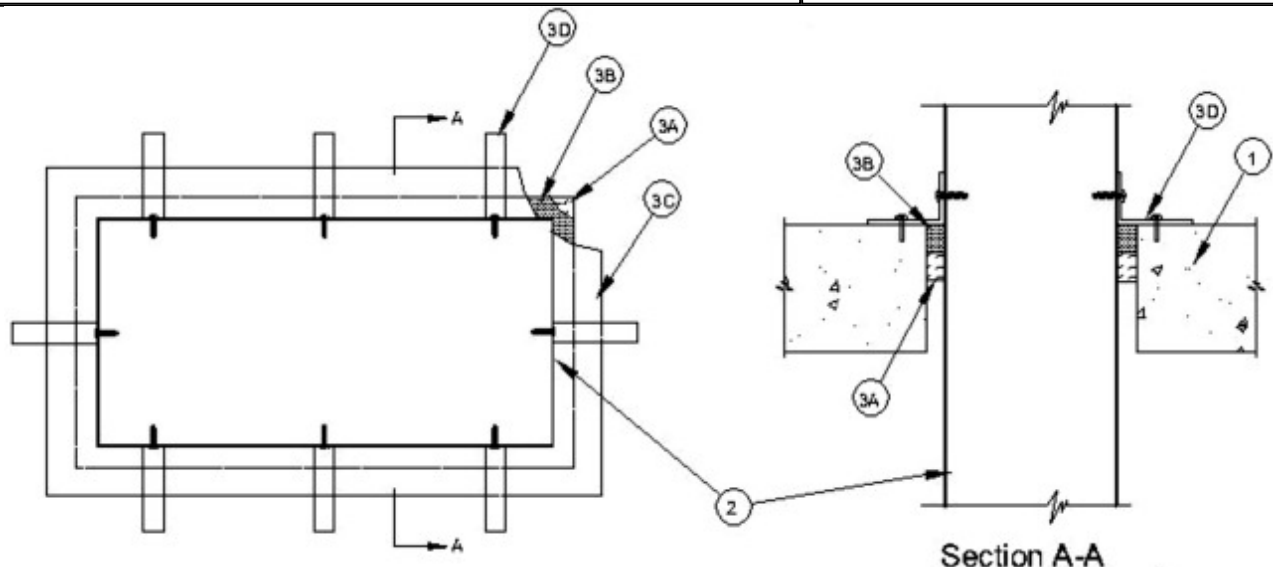
[See General Information for Through-penetration Firestop Systems](#)

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

System No. C-AJ-7125

June 17, 2016

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating - 2 Hr	F Rating - 2 Hr
T Rating - 0 Hr	FT Rating - 0 Hr
	FH Rating - 2 Hr
	FTH 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/m³) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks***. Max area of opening is 160 sq in. (1030 sq cm) with max dimension of 20 in. (508 mm).

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

2. **Steel Duct** — Nom 18 by 6 in. (457 by 152 mm) (or smaller) No. 28 gauge (or heavier) steel duct. One duct to be installed within the firestop system with a max 1 in. (25 mm) annular space. Steel duct 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** — Min 1 in. (25 mm) thickness of min 4.0 pcf (64 kg/m³) mineral wool batt insulation firmly packed into 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. (25 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall.

A/D FIRE PROTECTION SYSTEMS INC — A/D FIREBARRIER Intumescent Sealant, A/D FIREBARRIER Intumescent Sealant II

C. **Cover Plate** — Min 28 gauge galv steel cut to fit the contour of the duct with a min 1 in. (25 mm) lap on the top surface of the floor assembly (and both surfaces of wall assembly) around the perimeter of the steel duct. Steel cover plate installed in conjunction with steel angle clips described below.

D. **Angle Clips** — Min 3/4 in. (19 mm) wide angle clips having min 3 in. (76 mm) legs, constructed of min No. 12 gauge steel. Angle clips to be spaced max 6 in. (152 mm) OC with min one angle on each side of duct. Angle clips secured to duct with min two No. 8 by 3/4 in. (19 mm) sheet metal screws and to concrete slab using min 1/4 in. (6 mm) diam by 1-1/2 in. (38 mm) long steel expansion bolts or equivalent in conjunction with steel nuts and washers.

*** 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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