



## System No. C-AJ-4092

### XHEZ7.C-AJ-4092

## Through-penetration Firestop Systems Certified for Canada

[Page Bottom](#)

### 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.

## XHEZ7 - Through-penetration Firestop Systems Certified for Canada

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

## System No. C-AJ-4092

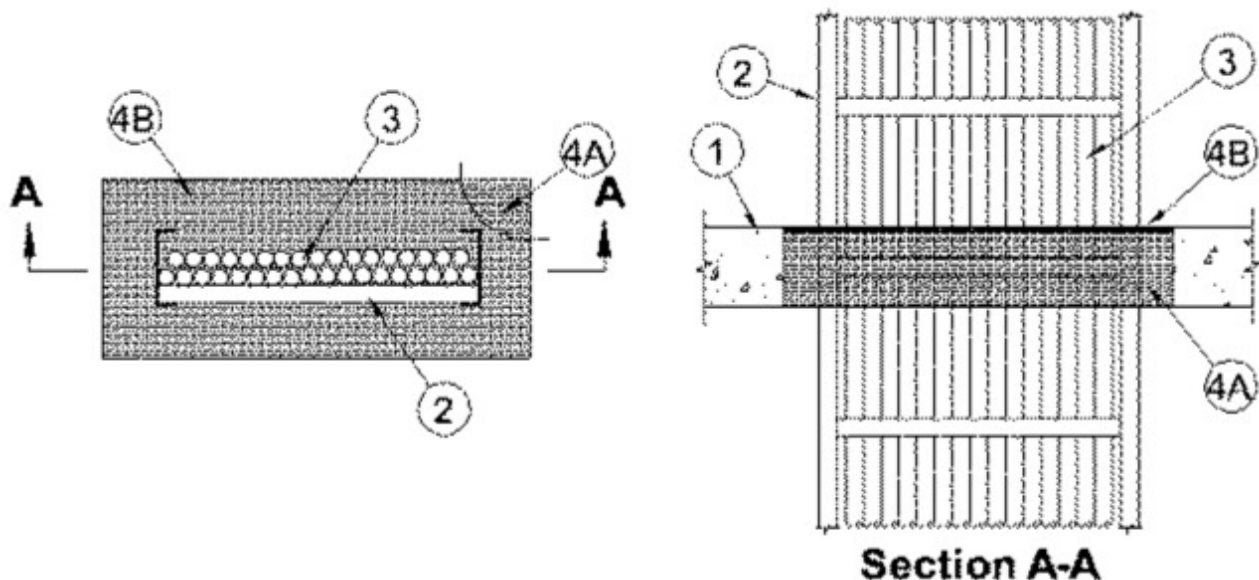
May 03, 2011

**F Rating — 2 Hr**

**FT Rating — 1/4 Hr**

**FH Rating — 0 Hr**

**FTH Rating — 0 Hr**



1. **Floor or Wall Assembly** — Min 114 mm (4-1/2 in.) thick reinforced lightweight or normal weight (1600-2400 kg/m<sup>3</sup> or 100-150 pcf) concrete. Wall may also be constructed of any UL Classified **Concrete Blocks\***. Max area of opening is 0.15 m<sup>2</sup> (240 sq in.) with max dimensions of 610 mm (24 in.).

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

2. **Cable Tray\*** — Max 457 mm (18 in.) wide by max 102mm (4 in.) deep open ladder cable tray with channel-shaped side rails formed from 1.5 mm (0.060 in.) thick (No. 16 gauge) galv steel with nom 25 mm (1 in.) diam rungs spaced

max 229 mm (9 in.) OC or max 457 mm (18 in.) wide by 102 mm (4 in.) deep open ladder cable tray with channel-shaped side rails formed from 2 mm (0.080 in.) thick aluminum with nom 25 mm (1 in.) diam rungs spaced max 229 mm (9 in.) OC. The annular space between the cable tray and the periphery of the opening shall be min 25 mm (1 in.) to max 76 mm (3 in.). Cable tray to be rigidly supported on both sides of floor or wall assembly.

3. **Cables** — Aggregate cross-sectional area of cables in cable tray to be max 40 percent of the cross-sectional area of the cable tray based on a max 76 mm (3 in.) deep cable loading depth within the cable tray. Any combination of the following types and sizes of copper conductor cables may be used:

- A. Max 1/C - 350 kcmil cable with polyvinyl chloride (PVC)-nylon insulation and PVC jacket.
- B. Max 3/C - No. 2 AWG cable with PVC-nylon insulation and PVC jacket.
- C. Max 7/C - No. 12 AWG cable with PVC-nylon insulation and PVC jacket.
- D. Max 100 pair No. 24 AWG telephone cable with PVC insulation and PVC jacket.

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

A. **Packing Material** — Min 108 mm (4-1/4 in.) depth of min 64 kg/m<sup>3</sup> (4 pcf) mineral wool batt insulation tightly-packed into opening as a permanent form. Packing material to be recessed from top surface of floor or both surfaces of wall as required to accommodate the required thickness of fill material.

B. **Fill, Void or Cavity Material\* - Spray** — Min 3.2 mm or 1/8 in. wet thickness (min 1.6 mm or 1/16 in. dry thickness) of fill material sprayed, poured or brushed into annular space on top surface of floor or on both surfaces of wall to completely cover mineral wool and to lap onto concrete at periphery of opening. Additional fill material injected into grouped cable interstices to max extent possible.

**A/D FIRE PROTECTION SYSTEMS INC** — A/D FIREBARRIER Spray Acrylic

**\* 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 2011-05-03

---

[Questions?](#)

[Print this page](#)

[Terms of Use](#)

[Page Top](#)

© 2016 UL LLC

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.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2016 UL LLC".