System No. C-AJ-3340
XHEZ.C-AJ-3340
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

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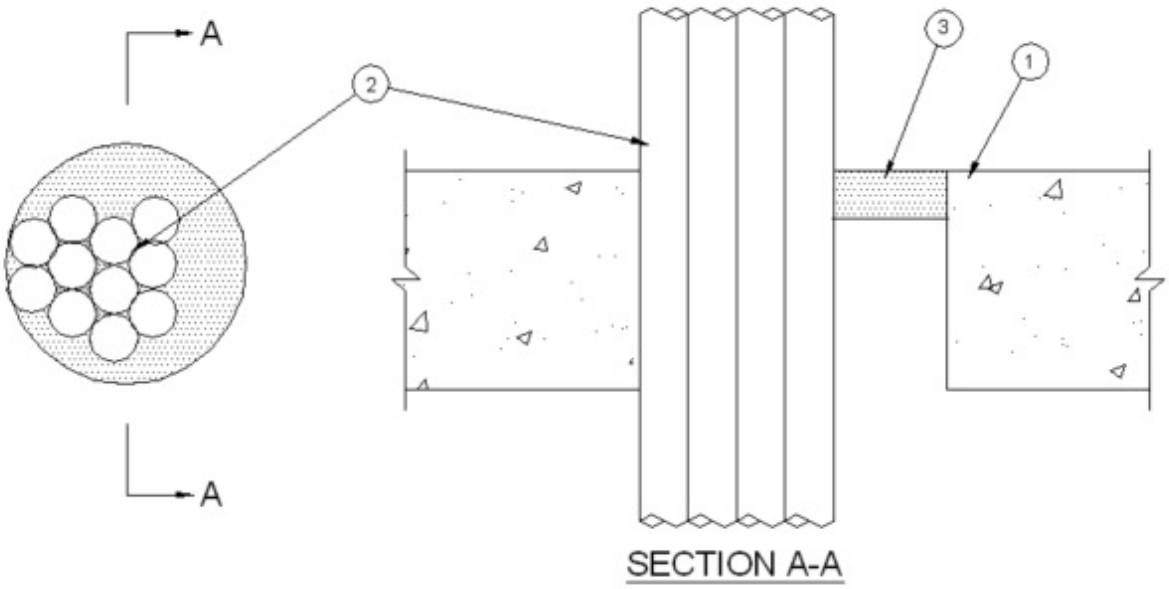
April 22, 2016

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 3 Hr	F Rating — 3 Hr
T Rating — 1/2 Hr	T Rating — 1/2 Hr



SECTION A-A

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^3) concrete floor or wall. Wall may also be constructed of any UL Classified **Concrete Blocks***. Floor may also be constructed of any min 6 in. (152 mm) thick UL Classified hollow-core **Precast Concrete Units***. Max diam of opening is 2 in. (51 mm).

See **Concrete Blocks** (CAZT) and **Precast Concrete Units** (CFTV) categories in the Fire Resistance Directory for names of manufacturers.

2. **Cables —** Aggregate cross sectional area of cables in opening to be max 25 percent of the cross sectional area of the opening. Tight bundle of cables to be installed in the opening. The annular space between the cable bundle and the periphery of the opening shall be min 0 in. (point contact) to max 1 in. (25 mm). Cable bundle to be rigidly supported on both sides of the floor or wall assembly. The following types and sizes of cables may be used:

A. **Through Penetrating Product* —** Max 4/C plus ground No. 12 AWG (or smaller) aluminum or steel clad Metal Clad Cable+ with copper conductors.

ALFLEX CORP

NEXANS CANADA INC

B. Max 110/125 fiber optic (F.O.) cable with PVC insulation and jacket.

C. Max 3/C with ground No. 12 AWG (or smaller) copper conductor NM cable (Romex) with PVC insulation and jacket.

D. Max RG/U coaxial cable with fluorinated ethylene insulation and jacket.

E. Max 4 pair No. 24 AWG (or smaller) copper conductor data cable with Mylar jacket and insulation.

F. Max 6 AWG (or smaller) copper conductor Type MTW or THHN or THWN or gas & oil res II 600V (UL) or AWM VW-1 cable.

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

A. **Packing Material —** (Optional) — Polyethylene backer rod firmly packed into annular space as a permanent form. Packing material to be recessed from top surface of floor or both sides of wall and hollow-core precast concrete unit to accommodate the fill material (Item 4B).

B. **Fill,Void or Cavity Material* —** 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 and hollow-core precast concrete unit. Caulk to be forced into interstices of cable group to max extent possible.

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

*** 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 2016-04-22