

System No. C-AJ-0151 XHEZ.C-AJ-0151 Through-penetration Firestop Systems

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.

XHEZ - Through-penetration Firestop Systems

XHEZ7 - Through-penetration Firestop Systems Certified for Canada

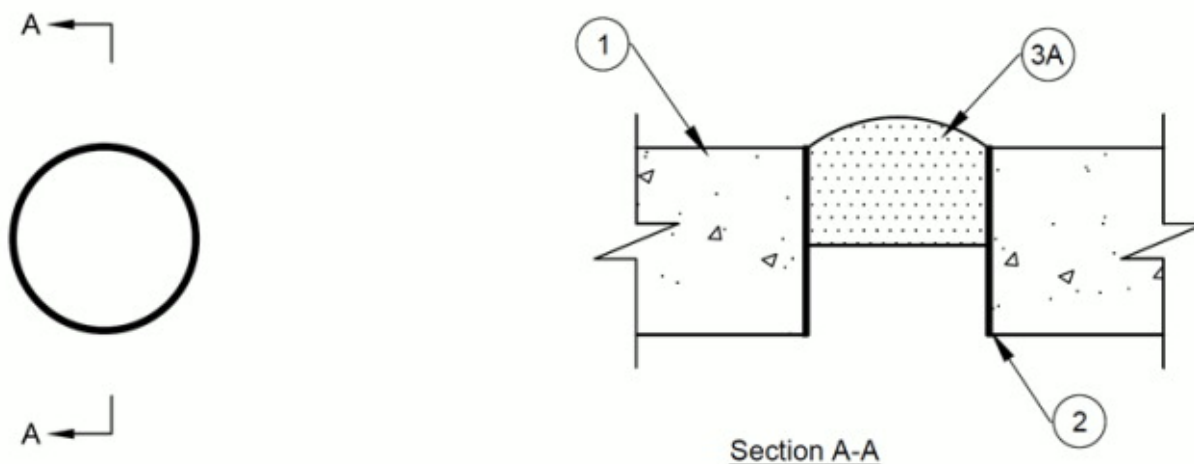
[See General Information for Through-penetration Firestop Systems](#)

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

System No. C-AJ-0151

November 23, 2015

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 Hr	F Rating — 2 Hr
T Rating — 1-1/4 Hr	FT Rating — 1-1/4 Hr
	FH Rating — 2 Hr
	FTH Rating — 1-1/4 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 diameter of opening is nom, 5 in. (127 mm).

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

2. **Metallic Sleeve** — (Optional) — Nom 2, 2-1/2, 3, 4, 4-1/2 or 5 in. (51, 64, 76, 102, 114 or 127 mm) diameter Schedule 5 (or heavier) steel sleeve or rigid steel conduit or electrical metallic tubing cast or grouted into floor or wall flush with floor or wall surfaces.

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

A. **Fill, Void or Cavity Material*** — Plug sized for the steel sleeve or opening per Table below friction-fitted within the sleeve or opening such that the outer circumference of the dome-shaped plug is flush from the top surface of the floor or from both surfaces of the wall.

Max. Sleeve/Opening Diam in. (mm)	Nom Plug Size, in. (mm) ZZ 160 series
2 (51)	2.5 (65) **
3 (76)	3 (78) **
4 (102)	4 (107)**
4.5 (114)	4.5 (122)**
5 (127)	5 (134)**
** Cut wedge from plug to fit sleeve/opening size. See Zapp Zimmermann GMBH Installation Instructions for specific size of wedge cuts required.	

ZAPP-ZIMMERMANN GMBH — Fire Protection Plug ZZ 160

B. Fill, Void or Cavity Material* — (Not shown) — Fill material to maximum extent possible in any voids that may exist within the opening. For plug sizes above 4 in. (102 in.) the fill material shall be forced between the periphery and plug to the max extent possible.

ZAPP-ZIMMERMANN GMBH — Fire Protection Sealant ZZ 365

*** 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 2015-11-23

[Questions?](#)

[Print this page](#)

[Terms of Use](#)

[Page Top](#)

© 2015 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: "© 2015 UL LLC".