



## System No. W-L-3323 XHEZ.W-L-3323 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

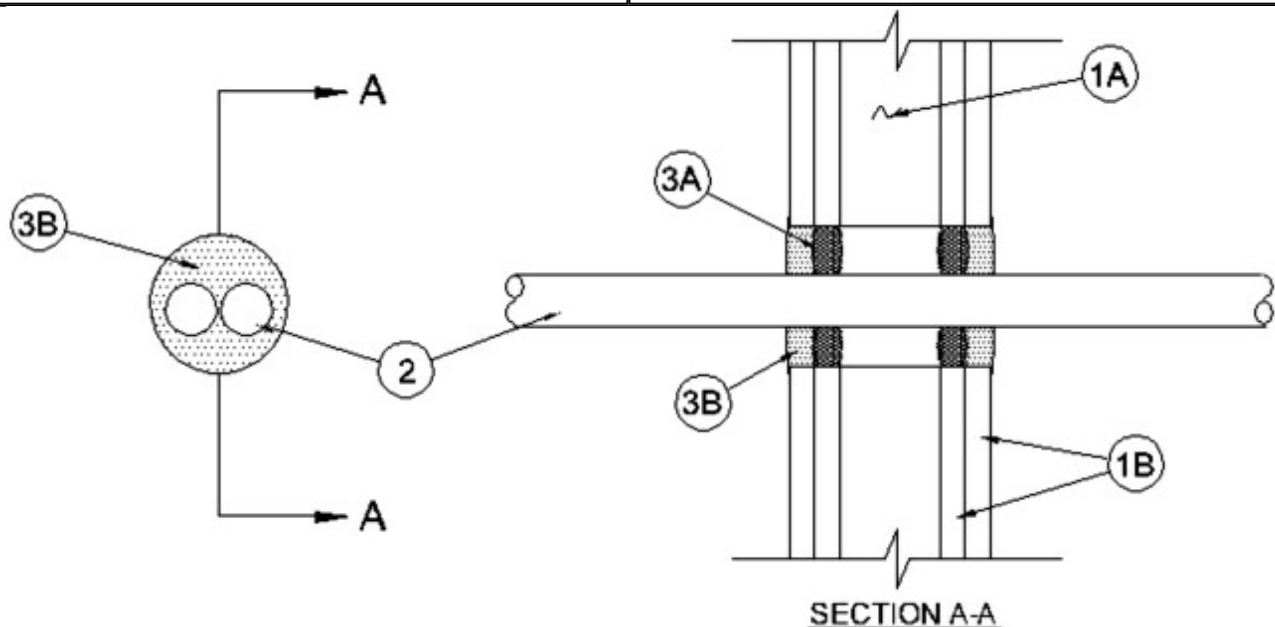
[See General Information for Through-penetration Firestop Systems](#)

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

### System No. W-L-3323

June 08, 2016

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Ratings — 1 and 2 Hr (See Item 1)	F Ratings —1 and 2 Hr (See Item 1)
T Ratings — 1/4 and 1/2 Hr (See Item 1)	FT Ratings —1/4 and 1/2 Hr (See Item 1)
	FH Ratings —1 and 2 Hr (See Item 1)
	FTH Ratings —1/4 and 1/2 Hr (See Item 1)



1. **Wall Assembly** — The 1 or 2 hr fire-rated gypsum wallboard/stud wall assembly shall be constructed of the materials and in the manner specified in the individual U300, U400, V400 or W400 Series Wall and Partition Designs in

the UL Fire Resistance Directory and shall include the following construction features:

A. **Studs** — Wall framing may consist of either wood studs or steel channel studs. Wood studs to consist of nom 2 by 4 in. (51 by 102 mm) lumber spaced 16 in. (406 mm) OC. Steel studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC.

B. **Gypsum Board\*** — One or two layers of nom 1/2 or 5/8 in. (13 or 16 mm) thick gypsum wallboard as specified in the individual Wall and Partition Design. Max diam of opening is 3-1/2 in. (89 mm).

The hourly F Rating of the firestop system is equal to the hourly fire rating of the wall assembly in which it is installed. The T Ratings are 1/4 and 1/2 hr when installed in 1 hr and 2 hr rated walls, respectively.

2. **Cables** — Two service entrance cables, as described below to be installed either concentrically or eccentrically within the firestop system. Cables to be rigidly supported on both sides of wall assembly. The following types and sizes of cables may be used:

A. Max four aluminum conductor No. 2/0 AWG (or smaller) Type SER service entrance cable with cross-linked polyethylene insulation and PVC jacket. Max two cables bundled together within the firestop system. The annular space between the cables and the periphery of opening shall be min 1/2 in. (13 mm) to max 1-1/2 in. (38 mm).

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

A. **Packing Material** — (Optional)—Foam backer rod firmly packed into opening as a permanent form. Packing material to be recessed from both surfaces of wall as required to accommodate the required thickness of fill material.

B. **Fill, Void or Cavity Material\*—(Caulk)** — — Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with both surfaces of wall. Additional fill material to be installed such that a min 1/16 in. (2 mm) crown is formed around the penetrating item and lapping 3/8 in. (10 mm) beyond the periphery of the opening.

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

+Bearing the UL Listing Mark

**\* 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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