

## System No. W-L-0046 XHEZ.W-L-0046 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

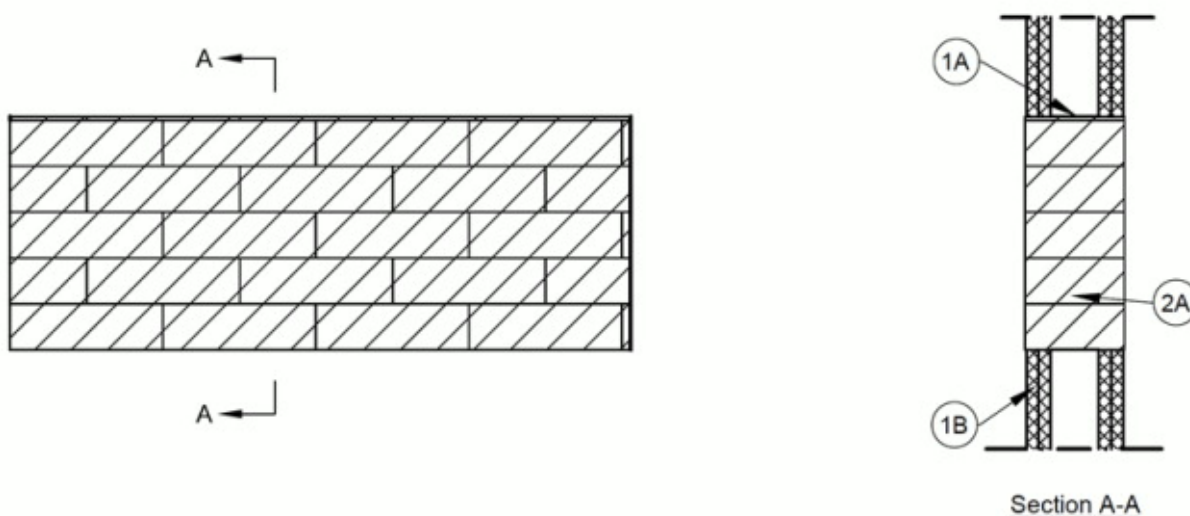
[See General Information for Through-penetration Firestop Systems](#)

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

### System No. W-L-0046

December 02, 2015

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 Hr	F Rating — 2 Hr
T Rating — 2 Hr	FT Rating — 2 Hr
	FH Rating — 2 Hr
	FTH Rating — 2 Hr



**1. Wall Assembly** — The 1 or 2 hr fire rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner described in the individual U400, V400 or W400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall incorporate the following construction features:

**A. Studs** — Wall framing shall consist of steel channel studs. Studs to be min 2-1/2 in. (64 mm) wide and spaced max 24 in. (610 mm) OC. Additional studs shall be installed horizontally to form a rectangular box around the opening (Item 2).

**B. Gypsum Board\*** — Thickness, type, number of layers and fasteners as specified in the individual Wall and Partition Design. Max area of opening is 384 in.<sup>2</sup> (2477 cm<sup>2</sup>) with a max dimension of 32 in. (813 mm).

**The hourly F and FH Ratings are dependent upon the hourly rating of the wall in which it is installed.**

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

A. **Fill, Void or Cavity Material\*** — Blocks installed with 5 in. (127 mm) dimension projecting through opening and centered in wall. Blocks to be firmly packed to fill the opening area.

**ZAPP-ZIMMERMANN GMBH** — Fire Protection Block ZZ 260

B. **Fill, Void or Cavity Material\*** — (Not shown) — Fill material to be forced between blocks and periphery of opening to the max extent possible from either surface of wall.

**ZAPP-ZIMMERMANN GMBH** — Fire Protection Foam ZZ 360

**\* 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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