



# XHEZ.C-BJ-3035 - THROUGH-PENETRATION FIRESTOP SYSTEMS

## 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

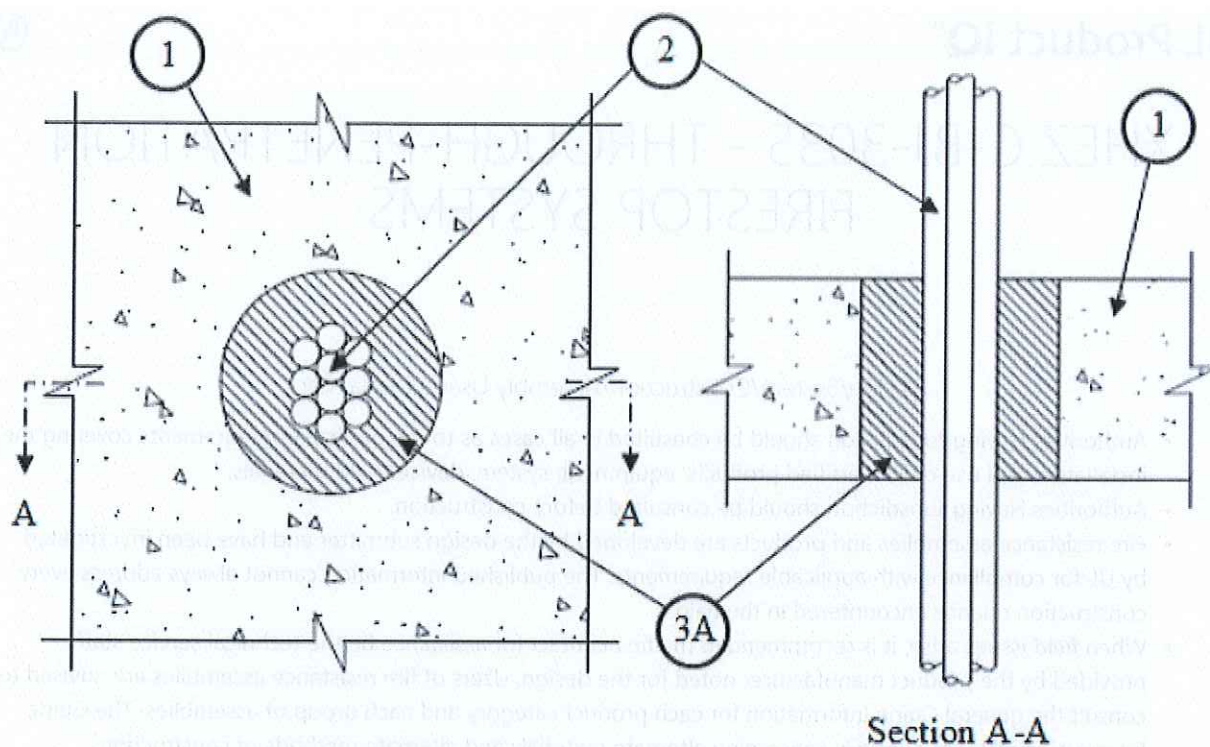
See General Information for Through-penetration Firestop Systems

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### System No. C-BJ-3035

August 22, 2017

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



1. **Floor or Wall Assembly** — Min 150 mm (6 in.) thick reinforced lightweight or normal weight (1600-2400 kg/m<sup>3</sup> or 100-150 pcf) concrete floor or wall. Wall may also be constructed of any UL Classified **Concrete Blocks\***. Max diam of opening 150 mm (6 in.).

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

2. **Cables** — Aggregate cross-sectional area of cables in opening to be max 47 percent of the aggregate cross-sectional area of the opening. Cables to be centered within the opening and rigidly supported on both sides of floor or wall assembly. Any combination of the following types and sizes of copper conductor cable may be used:

A. Max 3/C No. 2/0 AWG (or smaller) copper conductor power cables with PVC insulation with PVC jacket.

B. Max 2/C No. 10 AWG (or smaller) copper conductor power cables with PVC insulation with PVC jacket.

C. Max 30/C No. 12 AWG (or smaller) copper conductor control cables with PVC insulation with PVC jacket.

D. Max 2/C No. 16 AWG (or smaller) copper conductor control cables with PVC insulation with PVC jacket.

E. Max 122.7 mm<sup>2</sup> Fiber Optic (F.O) cables with PE insulation and jacket.

F. Max 50 pair No. 19 AWG (or smaller) copper conductor telecommunication cables with PE insulation and PVC jacket.

G. Max 1 pair No. 22 AWG (or smaller) copper conductor telecommunication cables with PE insulation and PVC jacket.

H. Max 30.2 mm<sup>2</sup> coaxial cables with PE insulation with PVC jacket.

I. Max 4 pair No. 24 AWG (or smaller) copper conductor data cables with PE insulation and PVC jacket.

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

A. **Fill, Void or Cavity Material \* — Putty** — Min 150 mm (6 in.) thickness of fill material applied within the annulus, flush with top and bottom surface of floor or with both surfaces of wall.

**FURUKAWA TECHNO MATERIAL CO., LTD.** — Fire Stop Putty-KP

**\* 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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