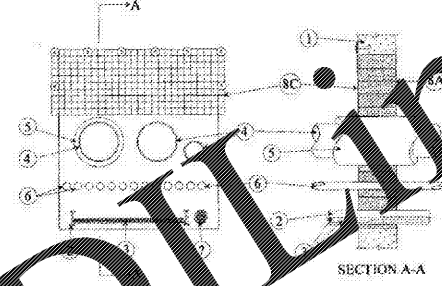


XHEZ - Through-penetration Firestop Systems
XHEZ7 - Through-penetration Firestop Systems Certified for Canada

See General Information for Through-penetration Firestop Systems Certified for Canada
See General Information for Through-penetration Firestop Systems Certified for Canada
System No. W-3-8007
July 12, 2016

| ANSI/UL1479 (ASTM E834) | CAN/ULC S535 |
|-------------------------|------------------|
| # Spacing = 4 in | # Spacing = 4 in |
| # Rating = 0 hr | # Rating = 0 hr |
| # Rating = 0 hr | # Rating = 0 hr |
| # Rating = 0 hr | # Rating = 0 hr |
| # Rating = 0 hr | # Rating = 0 hr |



Wall Assembly - This wall assembly consists of any UL Classified Concrete Block*, with a maximum height of 120 in (3048 mm) and a maximum dimension of 32 in (812 mm).

Concrete Block (CB) - The CB shall be of the Fire Resistance Category for masonry of the following types and sizes:

- A. 120 in x 120 in x 160 in (3048 mm x 3048 mm x 406 mm) CMU
- B. 120 in x 120 in x 160 in (3048 mm x 3048 mm x 406 mm) CMU with a minimum web thickness of 1 1/2 in (38 mm)
- C. 120 in x 120 in x 160 in (3048 mm x 3048 mm x 406 mm) CMU with a minimum web thickness of 1 1/2 in (38 mm) and a maximum height of 120 in (3048 mm)
- D. 120 in x 120 in x 160 in (3048 mm x 3048 mm x 406 mm) CMU with a minimum web thickness of 1 1/2 in (38 mm) and a maximum height of 120 in (3048 mm) and a maximum dimension of 32 in (812 mm)

Steel Pipe - Non 12 in (305 mm) diam (or smaller) Schedule 40 (or heavier) steel pipe.

Iron Pipe - Non 12 in (305 mm) diam (or smaller) cast or ductile iron pipe.

Cast Iron - Non 12 in (305 mm) diam (or smaller) cast or ductile iron pipe.

Copper Tubing - Non 12 in (305 mm) diam (or smaller) Type L (or heavier) copper tubing.

Copper Pipe - Non 12 in (305 mm) diam (or smaller) Type L (or heavier) copper pipe.

Pipe Covering - Non 1/2 in (12.7 mm) thick hollow electrical conduit (ECC) or non-flammable jacket (NFI) jacket with metal fasteners or metal fasteners with butyl tape applied with the product.

Firestop System - The firestop system shall consist of the following:

- UL Fill or Grout Material** - The blocks installed with king dimension parallel through the opening from surface to surface. Blocks to be installed parallel or perpendicular to the opening. Install one or a combination of the blocks types specified below may be used.
HELT CONSTRUCTION CHEMICALS, DIV OF HELT INC - EPS-60, Firestop Block
- UL Fill or Grout Material** - Fill material to be forced into all voids between blocks, between blocks and cable tray, between the cable tray and the fire blocks and to extend covering between blocks and common blocks and the periphery of the opening in the main extent possible on both sides of wall.
HELT CONSTRUCTION CHEMICALS, DIV OF HELT INC - FIBRE GROUT, FS-040 MAX Intumescent Grout or CP 618 Putty Stick
- Wire Mesh** - Non-flammable mesh (4 in (102 mm) x 4 in (102 mm) in the opening, a min 2 in (51 mm) thick mesh) shall be used to keep the blocks in place. The wire mesh shall be fabricated from 16 gauge (0.0509 in (1.28 mm) dia) galvanized wire. The mesh is to be spaced at the centerlines of the blocks with a min 1/2 in (12.7 mm) gap between the mesh and the blocks. The mesh is to be secured to both surfaces of the wall assembly by means of 1/4 in (6.35 mm) dia x 3/16 in (4.76 mm) long hollow wall anchors and 1/4 in (6.35 mm) x 1/2 in (12.7 mm) long rubber washers spaced max 16 in (406 mm) o.c.

* 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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