XHEZ.C-AJ-5424 - THROUGH-PENETRATION FIRESTOP SYSTEMS

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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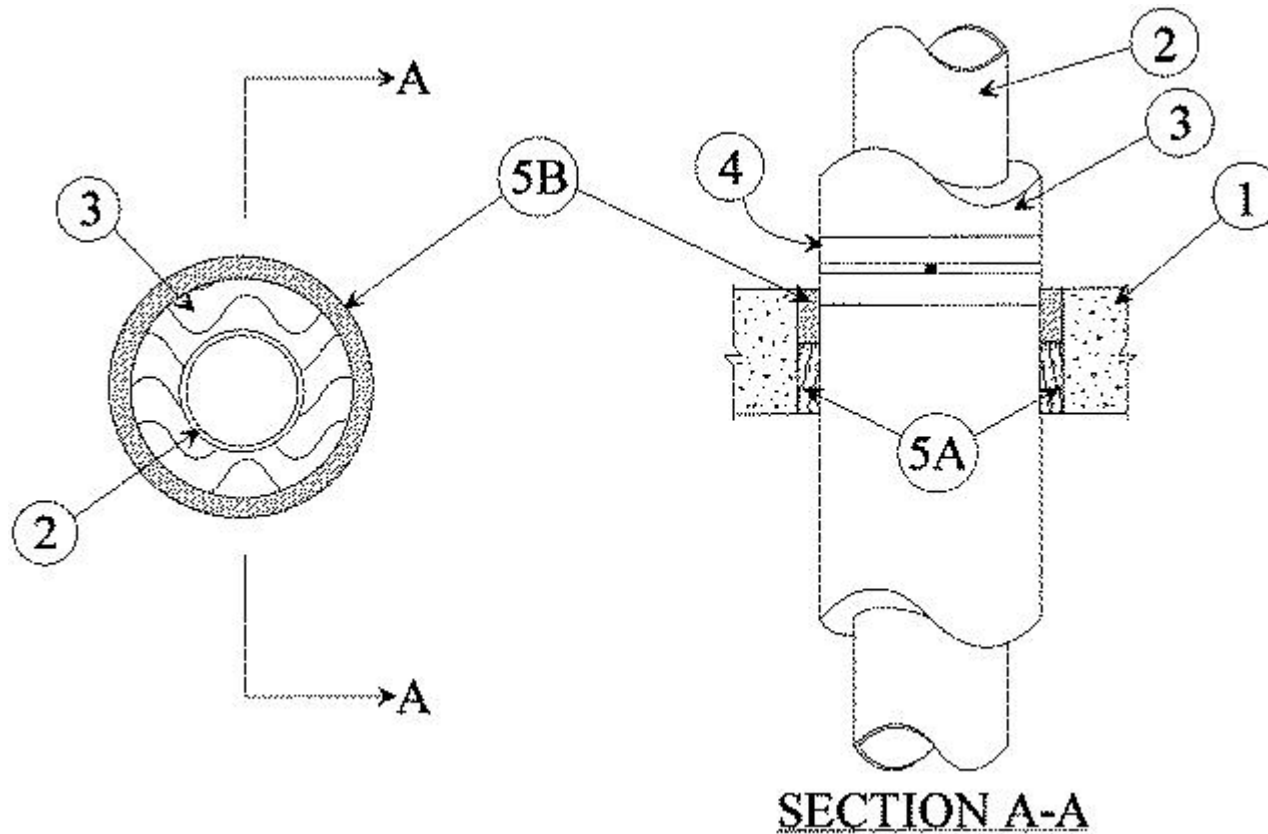
System No. C-AJ-5424

June 20, 2019

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

SECTION A-A

1. **Floor or Wall Assembly —** Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf) (1600-2400 kg/m^3) concrete floor or min 6-1/2 in. (165 mm) thick reinforced lightweight or normal weight concrete wall. Wall may also be constructed of any UL Classified **Concrete Blocks*.** Max diam of opening is 18 in. (457 mm)
See **Concrete Blocks** (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. **Steel Pipe —** Nom 10 in. (254 mm) diam (or smaller) Schedule 10 (or heavier) steel pipe. One pipe to be installed either concentrically or eccentrically within the firestop system. Pipe to be rigidly supported on both sides of floor or wall assembly.

3. **Pipe Covering* —** (76 mm) thick hollow cylindrical heavy density (min 3.5 pcf) (56 kg/m^3)glass fiber units jacketed on the outside with an all service jacket. Longitudinal joints sealed with metal fasteners or factory-applied self-sealing lap tape. Transverse joints secured with metal fasteners or with butt tape supplied with the product. The annular space shall be min 1/2 to max 7/8 in. (13 to max 22 mm).
See **Pipe and Equipment Covering — Materials** (BRGU) category in the Building Materials Directory for names of manufacturers. Any pipe covering material meeting the above specifications and bearing the UL Classification Marking with a Flame Spread Index of 25 or less and a Smoke Developed Index of 50 or less may be used.

4. **Metal Jacket —** Min 6 in. (152 mm) wide jacket formed of min 0.019 in. (.48 mm) thick steel sheet cut to wrap tightly around the pipe insulation with a min 4-1/2 in. (114 mm) lap. Jacket secured with min 1/2 in. (13 mm) wide stainless steel hose clamp located at the center of the jacket. Jacket to be installed on top of floor or both surfaces of wall and recessed into the opening 1/2 in. (13 mm).

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

A. **Packing Material** — Min 2-1/2 in. (64 mm) thickness of min 4.0 pcf (64 kg/m^3) mineral wool batt insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of fill material.

B. **Fill, Void or Cavity Material* — Caulk —** Min 2 in. (51 mm) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall.
RELIANCE WORLDWIDE CORPORATION DBA HOLDRITE HYDROFLAME — HydroFlame 200

* 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 2019-06-20