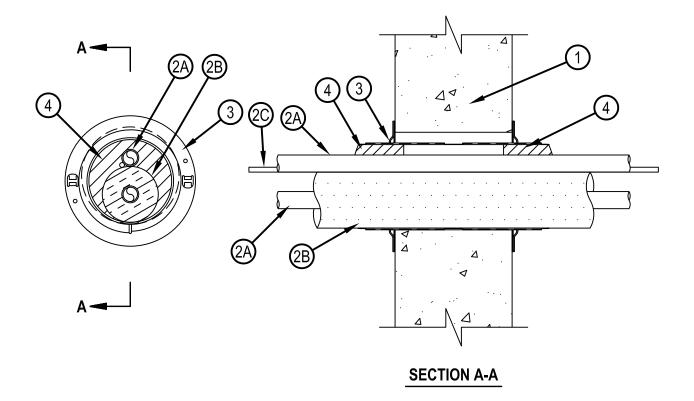


## System No. W-J-8068

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 Hr	F Rating — 2 Hr
T Rating — 0 Hr	FT Rating — 0 Hr
	FH Rating — 2 Hr
	FTH Rating — 0 Hr





## System No. W-J-8068

- 1. Wall Assembly Min 6 in. (152 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m3) concrete. Wall may also be constructed of any UL Classified Concrete Blocks\*. Max diam of opening is 5 in. (127 mm).
  - See Concrete Blocks (CAZT) in the Fire Resistance Directory for names of manufacturers.
- 2. Air Conditioning (AC) Line Sets AC line set consists of max two pipes or tubes (Item 2A), tubing insulation (Item 2B) and a thermostat cable (Item 2C). The AC line sets shall be rigidly supported on both sides of the wall assembly.
  - A. Metallic Penetrants A max of two pipes or tubes to be installed in each AC line set. The following types and sizes of through penetrants may be used:
    - 1. Steel Pipe Nom 3/4 in. (19 mm) diam (or smaller) Schedule 5 (or heavier) steel pipe.
    - 2. Iron Pipe Nom 3/4 in. (19 mm) diam (or smaller) cast or ductile iron pipe.
    - 3. Copper Pipe Nom 3/4 in. (19 mm) diam (or smaller) Regular (or heavier) copper pipe.
    - 4. Copper Tube Nom 3/4 in. (19 mm) diam (or smaller) Type L (or heavier) copper tube.
  - B. Tube Insulation Plastics# Nom 1 in. (25 mm) thick acrylonitrile butadiene/polyvinyl chloride (AB/PVC) flexible foam furnished in the form of tubing. The tube insulation may be installed on one max 3/4 in. (19 mm) diam pipe or tube in each AC line set. The space between the insulated and uninsulated pipes or tubes within each AC line set shall be 0 in. (point contact).
    - See Plastics# (QMFZ2) category in the Plastics Recognized Component Directory for names of manufacturers. Any Recognized Component tube insulation meeting the above specifications and having a UL 94 Flammability Classification of 945VA may be used.
  - C. Cable One 4 pair No. 18 AWG (or smaller) thermostat cable with polyvinyl chloride (PVC) insulation and jacket materials may be installed with each AC line set.
- 3. Firestop System Firestop device consists of a corrugated steel tube with flanges and gasketing material. Device slid into wall such that ends project an equal distance from the approximate centerline of the wall assembly. Device flanges are spun clockwise onto device threads, over gasketing material butting tightly to both sides of wall. The annular space between the device and the periphery of the opening shall be min 0 in. (point contact) to max 1 in. (25 mm).
  - HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC CFS-SL SK 4" Firestop Sleeve
- 4. Fill, Void or Cavity Material\* Plug Nom 4 in. (102 mm) plug sized for the firestop device (Item 3) friction fit within the sleeve flush with the end of the sleeve on both sides of the wall assembly. Plug cut to fit around the line set and installed tightly within the sleeve.

  HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC CFS-PL Firestop Plug
- \* 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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