



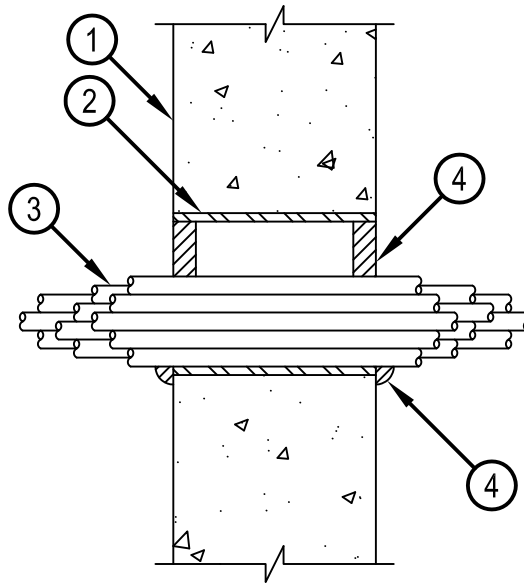
Classified by  
Underwriters Laboratories, Inc.  
to UL 1479 and CAN/ULC-S115

## System No. W-J-3092

F Rating — 2 Hr

T Rating — 0 Hr

WJ 3092



1. Wall Assembly — Min 5 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete. Wall may also be constructed of any UL Classified Concrete Blocks\*. Max diameter of opening 4 in.  
See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Non-Metallic Sleeve — Nom 4 in. diam (or smaller) Schedule 40 solid or cellular core polyvinyl chloride (PVC) pipe cast or grouted into wall flush with both surfaces of wall.
3. Cables — Aggregate cross-sectional area of cable in opening to be max 45 percent of the cross-sectional area of the opening. The annular space between the cable bundle and the periphery of the opening to be min 0 in. (point contact) to max 1-3/8 in. Cables to be rigidly supported on both sides of the wall assembly. Any combination of the following types and sizes of copper conductor cables may be used:
  - A. Max 500 kcmil power cable.
  - B. Max 100 pair No. 24 AWG telephone cable with PVC insulation and jacket.
  - C. Type RG /U coaxial cable with polyethylene (PE) insulation and PVC jacket and having a max OD of 1/2 in.
  - D. Max 3/C No. 8 AWG steel clad cable.
  - E. Max 3/C No. 8 AWG (with ground) with PVC insulation and jacket.
  - F. Multiple fiber optical communication cable with PVC jacket with a max OD of 3/8 in.
  - G. Max 3/4 in diam copper ground cable with PVC jacket.
4. Fill, Void or Cavity Material\* - Putty — Min 5/8 in. thickness of fill material applied within the annulus, flush with both surfaces of wall. At the point contact location between cables/sleeve, a min 1/2 in. diam bead of fill material shall be applied at the cable /sleeve interface.

HILTI CONSTRUCTION CHEMICALS, DIV OF

HILTI INC — CP618 Putty Stick.

\*Bearing the UL Classification Mark



**Hilti Firestop Systems**

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