



Classified by  
Underwriters Laboratories, Inc.  
to UL 1479

## System No. C-AJ-2098

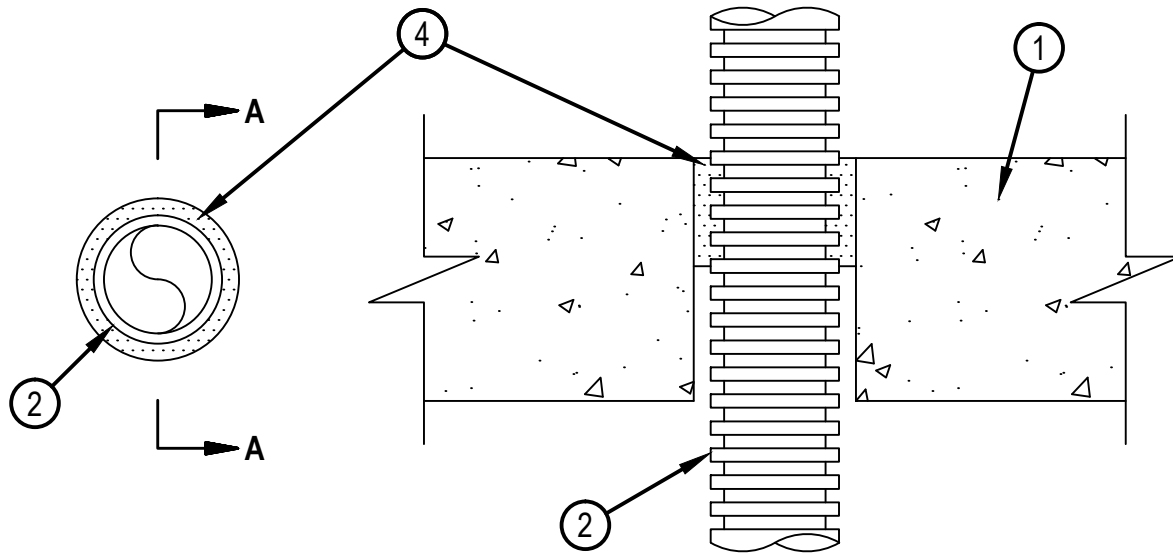
F Rating -- 3 Hr

T Rating -- 3 Hr

L Rating At Ambient -- Less Than 1 CFM/sq ft

L Rating At 400 F -- 4 CFM/sq ft

CAJ 2098



**SECTION A-A**

1. Floor or Wall Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m<sup>3</sup>) concrete. Wall may also be constructed of any UL Classified Concrete Blocks\*. Max diam of opening is 3 in. (76 mm).  
See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Electrical Nonmetallic Tubing+ — Nom 2 in. (51 mm) diam (or smaller) corrugated wall ENT constructed of polyvinyl chloride (PVC). One tube to be centered within the firestop system. A nom annular space of 5/16 in. (8 mm) is required within the firestop system. Tube to be rigidly supported on both sides of floor or wall assembly.  
See Electrical Nonmetallic Tubing (FKHU) category in the Electrical Construction Materials Directory for names of manufacturers.
3. Packing Material — (Not Shown) — Mineral wool insulation firmly packed into opening as a temporary 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. In floors form may be removed after fill material has cured.
4. Fill, Void or Cavity Material\* — Sealant — 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.  
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-One Sealant or FS-ONE MAX Intumescent Sealant

+Bearing the UL Listing MarkA

\* Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.



**Hilti Firestop Systems**

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