



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

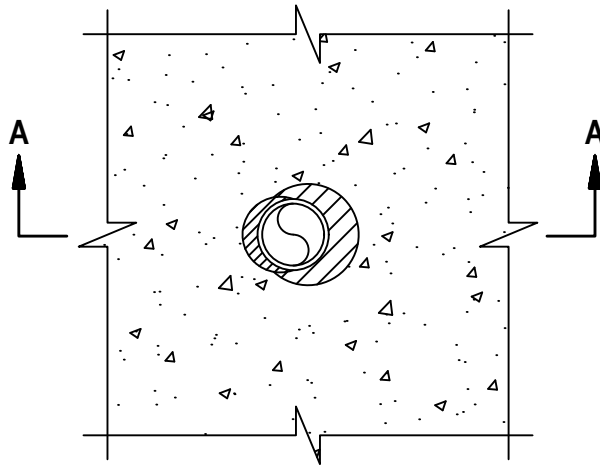
# System No. C-AJ-2900

F Rating — 2 Hr  
FT, FH, and FTH Ratings — 0 Hr

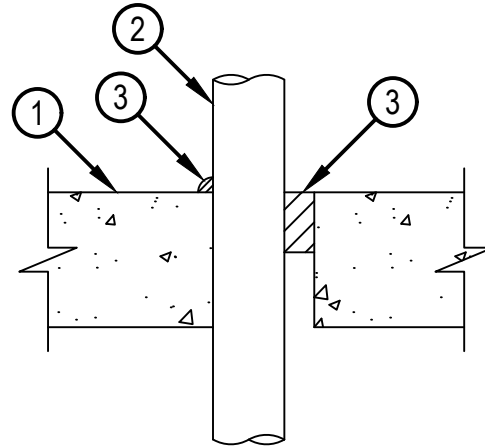


CAJ 2900

**TOP VIEW**



**SECTION A-A**



System tested with a pressure differential of 50 Pa between the exposed and the unexposed surfaces with the higher pressure on the exposed side.

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 3-1/2 in. (89 mm).  
See Concrete Blocks (CAZT7) category in the Fire Resistance Directory for names of manufacturers.
2. Through Penetrants — One nonmetallic pipe to be installed concentrically or eccentrically within the firestop system. Annular space between pipe and periphery of opening to be min 0 mm (point contact), to max 32 mm (1-1/4 in.). The following type and sizes of nonmetallic pipe may be used:
  - A. Polyvinyl Chloride (PVC) Pipe — Nom 51 mm (2 in.) diam (or smaller) Schedule 40 cellular core PVC for use in closed (process or supply) or vented (drain, waste or vent) piping systems.
  - B. Chlorinated Polyvinyl Chloride (CPVC) Pipe — Nom 51 mm (2 in.) drain (or smaller) Schedule 40 for use in closed (process or supply) piping systems.
  - C. XFR Polyvinyl Chloride (PVC) Pipe — Nom 51 mm (2 in.) diam (or smaller) Schedule 40 PVC pipe for use in closed (process or supply) or vented (drain, waste, or vent) piping systems.
  - D. HR Polyvinyl Chloride (PVC-HR) Pipe — Nom 51 mm (2 in.) diam (or smaller) Schedule 40 NAPSYS-HR PVC pipe for use in closed (process or supply) or vented (drain, waste, or vent) piping systems.
3. Fill, Void or Cavity Material\* - Sealant — Minimum 51 mm (2 in.) thickness of fill material applied within the annulus, flush with top surface of floor or with both surfaces of wall. At the point contact location between pipe and concrete, a minimum 13 mm (1/2 in.) diameter bead of fill material shall be applied at the concrete/pipe interface on the top surface of floor and on both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE MAX Intumescent Sealant

\* 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**

Reproduced by HILTI, Inc. Courtesy of  
Underwriters Laboratories, Inc.  
September 22, 2020