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

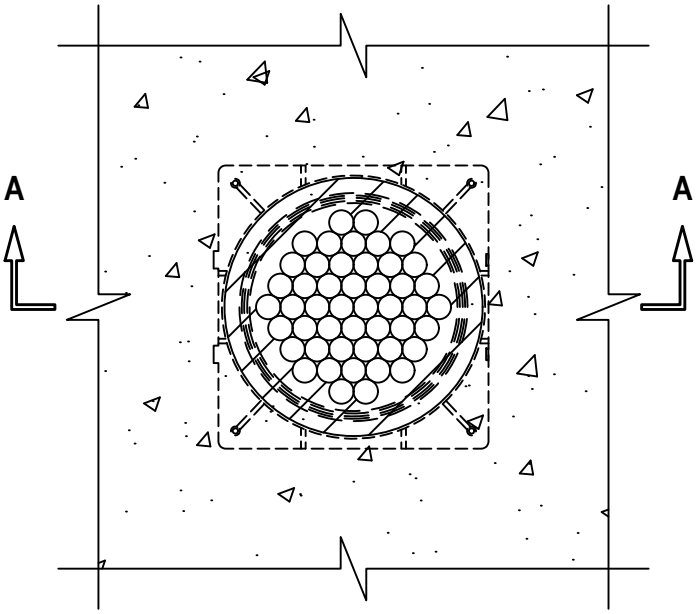
System No. F-A-3090

CANADA ONLY

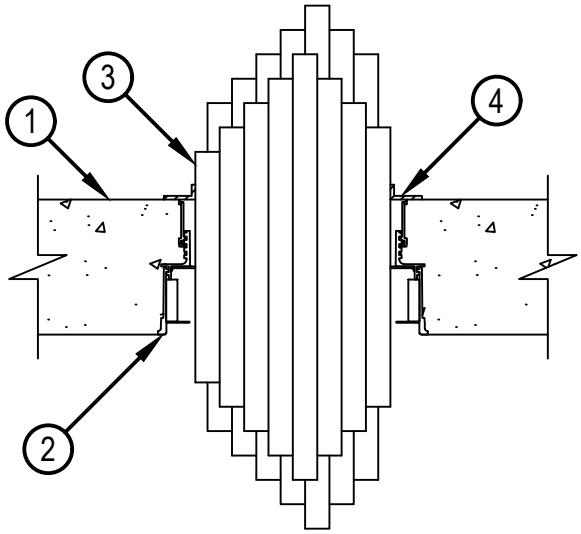
FA 3090

CAN/ULC S115
F Rating — 3 Hr
FT Rating — 0 Hr
FH Rating — 0 Hr
FTH Rating — 0 Hr

TOP VIEW



SECTION A-A



Hilti Firestop Systems

System No. F-A-3090

1. Floor Assembly — Min 114 mm (4-1/2 in.) thick reinforced lightweight or normal weight 1600-2400 kg/cu m (100-150 pcf) concrete.
2. Firestop Device* — Cast in place firestop device with optional accessories including sleeve extension permanently embedded during concrete placement in accordance with accompanying installation instructions with a max 51 mm (2 in.) projection above top surface of the concrete.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CFS-CID U 2", CFS-CID U 2" CA, CFS-CID U 3", CFS-CID U 4", CFS-CID U 6"
3. Cables — Cables to be rigidly supported on both sides of the assembly. Any combination of the following types and sizes of copper conductor cables may be used:
   A. Max 1/C 500 kcmil (or smaller) copper conductor cable with polyvinyl chloride (PVC) insulation and jacket.
   B. Max 7/C No. 12 AWG with polyvinyl chloride (PVC) insulation and jacket.
   C. Max 300 pair No. 24 AWG telephone cable with PVC insulation and jacket.
   D. Multiple fiber optical communication cable jacketed with PVC and having a max OD of 16 mm (1/2 in.).
   E. Max 3/C No. 12 AWG with ground with polyvinyl chloride jacketed steel clad Type MC cable.

The firestop device and max cable bundle diameter shall be sized as follows:

Cable Bundle Diameter	Firestop Device
Min 25 mm (1 in.) to Max 51 mm (2 in.)	CFS-CID U 2" CA
Min 51mm (2 in) to max 76 mm (3 in.)	CFS-CID U 3"
Min 76 mm (3 in.) to Max 114 mm (4-1/2 in)	CFS-CID U 4"
165 mm (6-1/2 in.)	CFS-CID U 6"

4. Fill, Void or Cavity Material* — Putty — Min 3 mm (1/8 in.) thickness of fill material applied at top surface of device overlapping onto cables and device or floor.
   HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 618 Firestop Putty Stick or CP 617 Putty Pad

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