



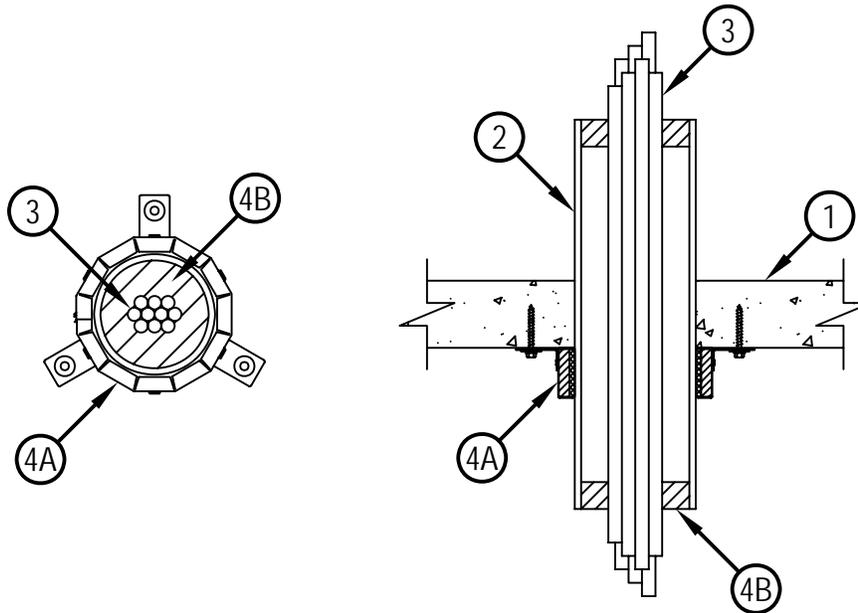
Classified by
Underwriters Laboratories, Inc.
to UL 1479 and CAN/ULC-S115

System No. C-AJ-3279

F Rating — 2 Hr

T Rating — 1-3/4 Hr

CAJ 3279



1. Floor or Wall Assembly — Min 2-1/2 in. (64 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete floor or wall. Wall may also be constructed of any UL Classified Concrete Blocks*. Floor may also be constructed of any min 6 in. (152 mm) thick UL Classified hollow core Precast Concrete Units*. Max diam of opening is 4 in. (102 mm).

See Concrete Blocks (CAZT) and Precast Concrete Units (CFTV) categories in the Fire Resistance Directory for names of manufacturers.

2. Plastic Sleeve — Nom 4 in. (102 mm) diam (or smaller) Schedule 40 solid or cellular core polyvinyl chloride (PVC) sleeve cast or grouted into floor or wall assembly, extending min 6 in. (152 mm) from both sides of floor or wall surfaces.
3. Cables — Aggregate cross-sectional area of cables in opening to be max 35 percent of the aggregate cross-sectional area of the opening. Cables to be tightly bundled and rigidly supported on both sides of floor or wall assembly. Any combination of the following types and sizes of cable may be used:

A. Max 100 pair No. 24 AWG copper conductor telecommunication cables with polyvinyl chloride (PVC) insulation and jacket materials.

B. Multiple fiber optical communication cables jacketed with PVC and having a max outside diam of 1/2 in. (13 mm).

- 4 Firestop System — The firestop system shall consist of the following:

A. Firestop Device* — Firestop Collar — Device size to be same as nom size of plastic sleeve (ie, 4 in. device with 4 in. (102 mm) plastic sleeve, 3 in. device with 3 in. (76 mm) sleeve etc). Firestop collar shall be installed in accordance with the accompanying installation instructions. Collar to be installed and latched around the plastic sleeve and secured to underside of floor or both sides of wall using the anchor hooks provided with the collar. (Minimum 2 anchor hooks for 1-1/2 and 2 in. (38 and 51 mm) diam pipes, 3 anchor hooks for 3 and 4 in. (76 and 102 mm) diam pipes). The anchor hooks are to be secured with min 1/4 in. (6 mm) diam by min 1-1/4 in. (32 mm) long steel expansion bolts or min 0.145 in. (3.7 mm) diam by 1-1/4 in. (32 mm) long powder actuated fasteners utilizing a 1-7/16 in. (37 mm) diam by 1/16 in. (1.6 mm) thick steel washer. As alternates to the anchors specified above, Hilti 1/4 in. (6 mm) diam by 1-1/4 in. (32 mm) long KWIK-CON II+ concrete screw anchor, Hilti 1/4 in. (6 mm) diam by 1-3/4 in. (45 mm) long KWIK-BOLT 3 steel expansion anchor or Hilti X-DNI 27 P8 S15 powder actuated floor pin with integral nom 9/16 in. (15 mm) diam washer may be used.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 643 50/1.5"N, CP 643 63/2"N, CP 643 90/3"N, CP 643 110/4"N

B. Fill, Void or Cavity Material* — Putty — Min 1 in. (13 mm) thickness of fill material applied within the annulus between cable bundle and plastic sleeve, flush with both ends of sleeve.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 618 Putty

*Bearing the UL Classification Mark



Hilti Firestop Systems

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