

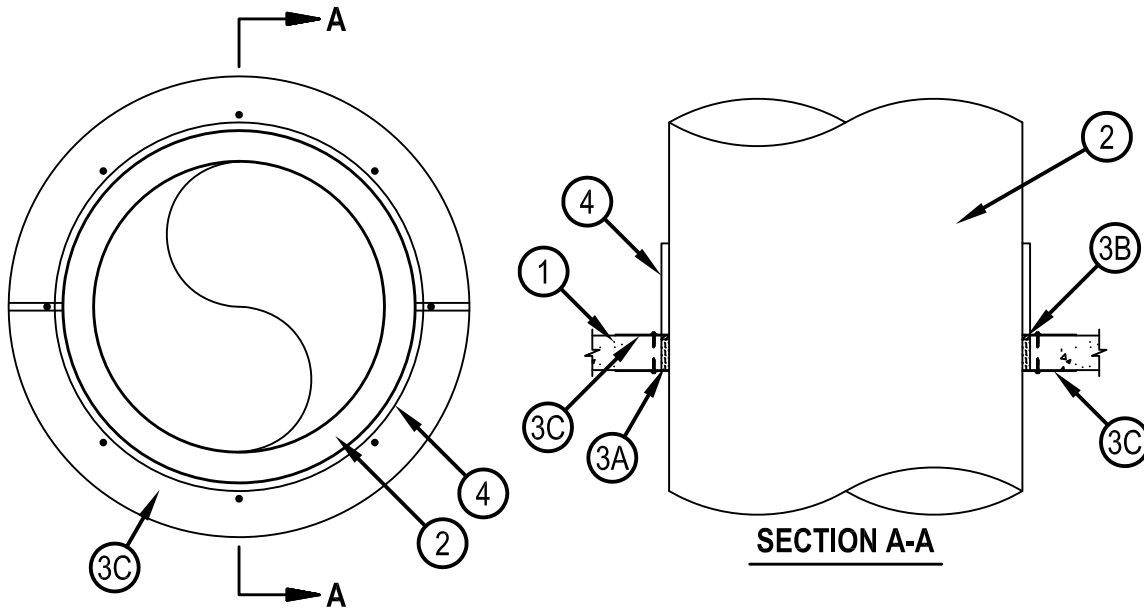


Classified by
Underwriters Laboratories, Inc.
to UL 1479 and CAN/ULC-S115

System No. C-AJ-7140

CAJ 7140

ANSI/UL1479 (ASTM E814)	CAN/ULC S115
F Rating — 2 Hr	F Rating — 2 Hr
T Rating — 2 Hr	FT Rating — 2 Hr
	FH Rating — 2 Hr
	FTH Rating — 2 Hr



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/m³) concrete or min 5 in. (127 mm) thick reinforced lightweight or normal weight concrete wall. Wall may also be constructed of any UL Classified Concrete Blocks*. Max diam of opening is 48 in. (1.22 m). For oval shaped ducts, max area of opening not to exceed 1248 in² (0.81 m²) with max dimension of 48 in. (1.22 m).

See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.

2. Through Penetrating Product* — One of the following types of Through-Penetrating Products* may be installed within the opening:

A. Nom 38 in. (965 mm) inside diam (or smaller) UL Listed grease duct. As an alternate, nom 38 in. (965 mm) by wide by 14 in. (357 mm) high (or smaller) oval shaped UL Listed grease duct. One grease duct to be installed concentrically or eccentrically within the firestop system. The annular space between grease duct and periphery of opening shall be min 1/2 in. (13 mm) to max 1-1/2 in. (38 mm). Grease duct to be rigidly supported on both sides of floor or wall assembly.

THE SCHEBLER CO — Fyreguard Grease Duct or SlimVent Grease Duct

B. Ventilation Duct — Nom 38 in. (965 mm) inside diam (or smaller) duct UL Classified ventilation duct. One duct to be installed concentrically or eccentrically within the firestop system. The annular space between duct and periphery of opening shall be min 1/2 in. (13 mm) to max 1-1/2 in. (38 mm). Ventilation duct to be rigidly supported on both sides of floor or wall assembly.

THE SCHEBLER CO — Fyreguard Ventilation Duct



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3. Firestop System — The firestop system shall consist of the following:

A. Packing Material — Min 4 in. (102 mm) thickness of min 6 pcf (96 kg/m³) ceramic fiber insulation firmly packed into opening as a permanent form. Packing material to be recessed from top surface of floor or both surfaces of wall to accommodate the required thickness of fill material.

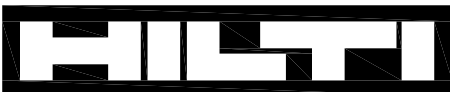
B. Fill, Void or Cavity Material* — Min 1/2 in. (13 mm) thickness of fill material applied within the annulus, flush with top surface of floor or both surfaces of wall.

HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — FS-ONE Sealant, FS-ONE MAX Intumescent Sealant or CP618 Putty

C. Cover Plate — Min 0.035 in. (0.89 mm) thick galv steel cover plate cut to follow the contour of the penetrating item (Item 2), applied to both surfaces of floor and wall. Two piece cover plate installed with overlapping seams. Cover plate secured to concrete using 1/4 in. (6 mm) diam by 1-3/4 in. (45 mm) long steel concrete screws, spaced a max 16 in. (406 mm) OC.

4. Closure Band — Min 0.024 in. (0.61 mm) thick steel, 12 in. (305 mm) wide, lined on the interior with 1 in. thick 10 pcf (160 kg/m³) ceramic fiber blanket supplied by the grease duct manufacturer. Two piece closure band installed around penetrating item (Item 2) in contact with cover plate and secured together with 1/4-20 by 1-1/2 in. (38 mm) long steel bolts and nuts. Closure bands installed on top surface of floor and on both surfaces of wall.

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



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