



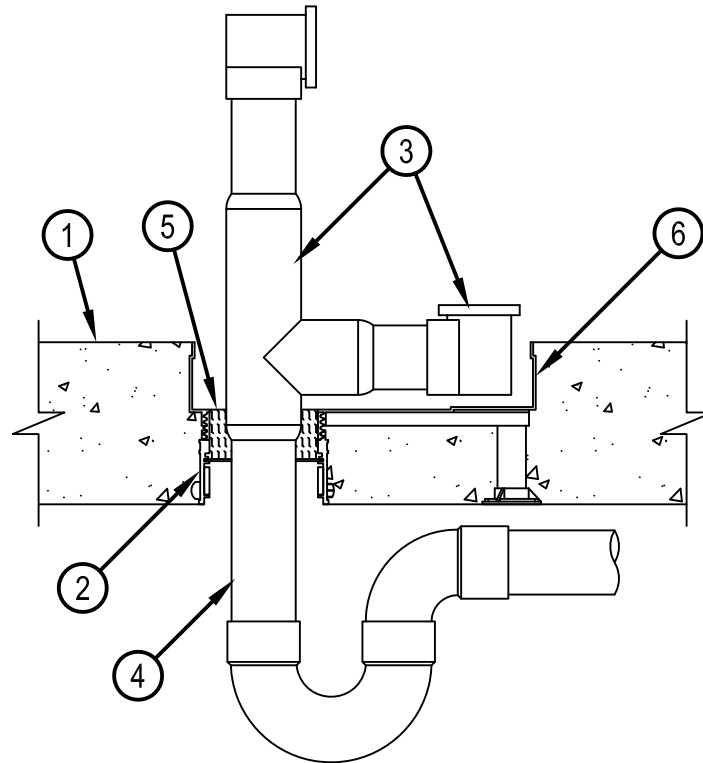
Classified by
Underwriters Laboratories, Inc.
to UL 1479

System No. F-A-2177

F Rating — 2 Hr

T Rating — 2 Hr

FA 2177



1. Floor Assembly — Min 6 in. (152 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) concrete.
2. Firestop Device* — Cast in place firestop device with intumescent ring permanently embedded during concrete placement or grouted in concrete assembly in accordance with accompanying installation instructions. Device to be installed flush with bottom of floor. Top of device cut flush with top surface of packing material (Item 5).
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 680-P 3", CP 680-PX 3"
3. Waste/Overflow Fitting — Nom 1-1/2 or 2 in. (38 or 51 mm) diam Schedule 40 cellular or solid core polyvinyl chloride (PVC) waste/overflow fitting installed through device. Thin wall PVC may be used if connection to drain piping is made above the firestop device (Item 2).
4. Drain Piping — Nom 1-1/2 or 2 in. (38 or 51 mm) diam Schedule 40 cellular or solid core polyvinyl chloride (PVC) cemented together and secured to waste/overflow fitting with a compression coupling. Drain piping rigidly supported away from device with suitable hangers.
5. Packing Material — Min 2 in. (51 mm) thickness of 4 pcf (64 kg/m³) mineral wool batt insulation tightly packed into top of firestop device (Item 2) to completely fill annular space between pipe and device.
- 6 Firestop Device* - Tub Box — Nom 8-1/2 by 12 by 2 in. (216 by 305 by 51 mm) deep acrylonitrile butadiene styrene (ABS) tub box with adjustable legs. Cast in place firestop device installed above firestop device (Item 2) and permanently embedded during concrete placement or grouted in concrete assembly in accordance with accompanying installation instructions.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 681 Tub Box
- 6A. Firestop Device* — As an alternate to Item 2 and Item 6, the CP 681-3" firestop device may be used. Device consists of nom 8-1/2 by 12 by 2 in. (216 by 305 by 51 mm) deep acrylonitrile butadiene styrene (ABS) tub box with adjustable legs and integral firestop device permanently embedded during concrete placement or grouted in concrete assembly in accordance with accompanying installation instructions.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP 681-3"

* 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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