

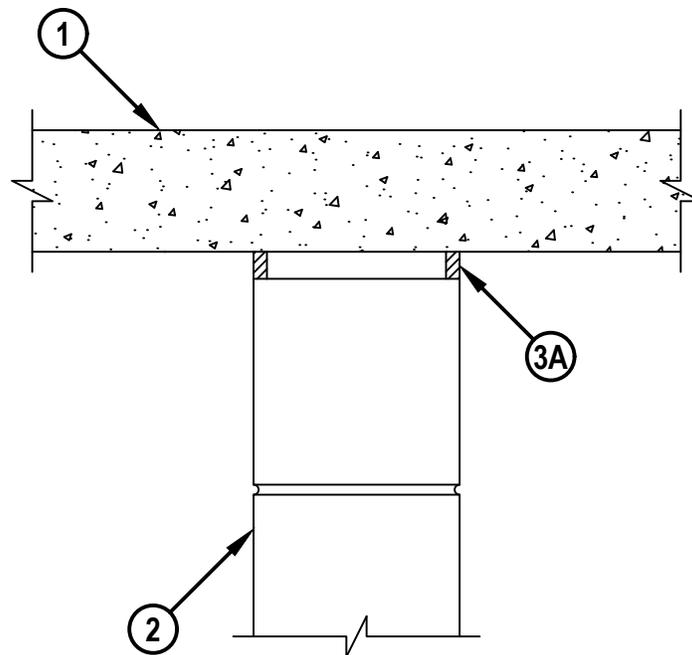


Classified by
Underwriters Laboratories, Inc.
to UL 2079 and CAN/ULC-S115

System No. HW-D-0268

HWD 0268

| | |
|---|---|
| ANSI/UL2079 | CAN/ULC S115 |
| Assembly Ratings — 1, 2 and 3 Hr (See Item 3) | F Ratings — 1, 2 and 3 Hr (See Item 3) |
| Nominal Joint Width - 1 In. | FT Ratings — 1, 2 and 3 Hr (See Item 3) |
| Class II or III Movement Capabilities — 12.5% Compression or Extension | FH Ratings — 1, 2 and 3 Hr (See Item 3) |
| L Rating At Ambient — Less Than 1 CFM/ft | FTH Ratings — 1, 2 and 3 Hr (See Item 3) |
| L Rating At 400 F — Less Than 1 CFM/ft | Nominal Joint Width - 25 mm |
| | Class II or III Movement Capabilities — 12.5% Compression or Extension |
| | L Rating At Ambient — Less Than 1.5 L/s/m |
| | L Rating At 204 C — Less Than 1.5 L/s/m |



Reproduced by HILTI, Inc. Courtesy of
Underwriters Laboratories, Inc.
October 09, 2020

System No. HW-D-0268

HWD 0268

1. Floor Assembly — Min 2-1/2 in. (64 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) structural concrete except that . min thickness of floor is 4-1/2 in. (114 mm) when concrete wall (Item 2) thickness is 4-1/2 in. (114 mm). Floor may also be constructed of any min 6 in. (152 mm) thick UL Classified hollow-core Precast Concrete Units*.
See Precast Concrete Units (CFTV) category in the Fire Resistance Directory for names of manufacturers.
2. Wall Assembly — Min 8 in. (203 mm) thick steel reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) structural concrete. As an option, for assembly ratings of 1 and 2 hr, the wall may be min 4-1/2 in. (114 mm) thick steel reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) structural concrete. Wall may also be constructed of any UL Classified Concrete Blocks*.
See Concrete Blocks (CAZT) category in the Fire Resistance Directory for names of manufacturers.
3. Joint System — Max separation between bottom of floor assembly and top of concrete wall at time of installation is 1 in. (25 mm). The joint system is designed to accommodate a max 12.5 percent compression or extension from its installed width. The joint system shall consists of the following:
 - A. Fill, Void or Cavity Material* - Sealant — A min 1/4 in. (6 mm) or min 1/2 in. (13 mm) thickness of fill material installed within the joint, flush with each surface of the wall, as specified in Table below.
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP606 Flexible Firestop Sealant
 - B. Forming Material — (Optional, Not Shown) - Mineral wool insulation or open or closed cell polyethylene or polyurethane foam backer rod.
Forming material to be recessed from both surfaces of the wall as required to accommodate the required thickness of fill material.

| Hourly Rating of Joint | Min Floor Thickness In. (mm) | Min Wall Thickness In. (mm) | Max Nom Joint Width In. (mm) | Min Sealant (Item 3A) Thickness In. (mm) | Forming Material (Item 3B) |
|------------------------|------------------------------|-----------------------------|------------------------------|--|----------------------------|
| 1 and 2 | 4.5 (114) | 4.5 (114) | 1 (25) | 1/4 (6) | Optional |
| 3 | 2.5 (64) | 8 (203) | 1 (25) | 1/2 (13) | Optional |

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



Reproduced by HILTI, Inc. Courtesy of
Underwriters Laboratories, Inc.
October 09, 2020