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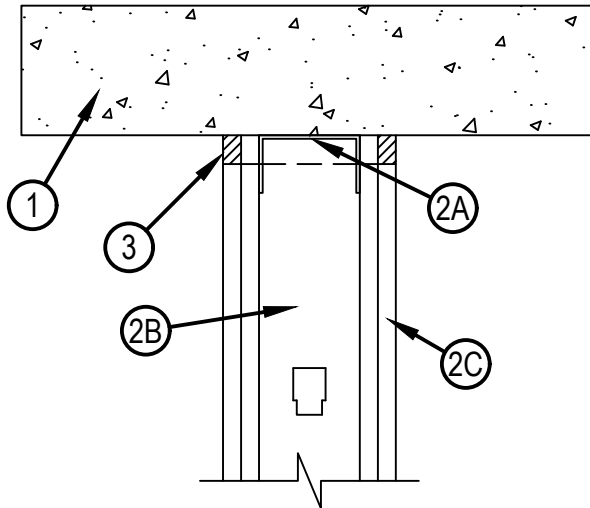
System No. HW-D-0632

Assembly Rating - 1 Hr and 2 Hr

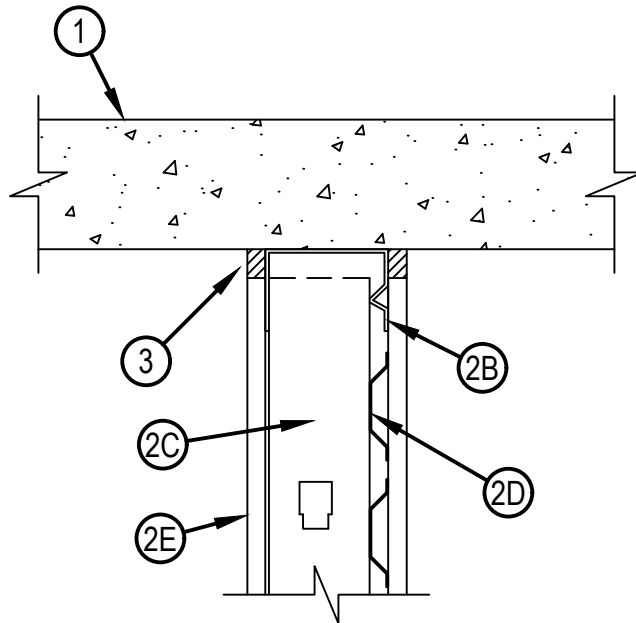
Nominal Joint Width — 1 In.

Class II Movement Capabilities — 25% Compression or Extension

HW-D-0632



CONFIGURATION A



CONFIGURATION B



Hilti Firestop Systems

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1. Floor Assembly — Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100-150 pcf or 1600-2400 kg/m³) structural concrete.
2. Wall Assembly — The 1 hr or 2 fire rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner described in the individual U400 or V400 Series Wall and Partition Designs in the UL Fire Resistance Directory and shall include the following construction features:
 - A. Steel Floor Runners — Floor runners of wall assembly shall consist of galv steel channels sized to accommodate steel studs (Item 2B).
 - B. Light Gauge Framing* - Slotted Ceiling Runner — (Config A) Slotted ceiling runner to consist of galv steel channel with slotted flanges sized to accommodate steel studs (Item 2C). Slotted ceiling runner installed perpendicular to direction of fluted steel deck (Configuration A) and secured to valleys with typical steel fasteners or welds spaced max 24 in. (610 mm)
SAFTI SEAL INC — ST, STW or STX
MRI STEEL FRAMING LLC — Smart Slotted Track
SUPER STUD BUILDING PRODUCTS — Slotted Track
 - B.1 Light Gauge Framing* — Slotted Ceiling Runner with Rib Flange (Config B) - As an alternate to the ceiling runner (Item 2B) when Resilient Channel (Item 2D) is used in wall assembly (Config B) Slotted ceiling runner provided with minimum one 3 in. (75 mm) flange having 1-1/2 in. (38 mm) slots and one 2-1/2 in. (63 mm) corrugated flange and secured with steel fasteners spaced max 24 in. (610 mm) OC.
SAFTI SEAL INC — RCS
 - B.2 Light Gauge Framing* — Solid Leg Ceiling Runner with Rib Flange (Config B) - As an alternate to the ceiling runner (Item 2B) when Resilient Channel (Item 2D) is used in wall assembly (Config B) ceiling runner to consist of galv steel channel with solid flanges sized to accommodate steel studs (Item 2B). Ceiling runner provided with minimum one 2-1/2 in. (63 mm) flat flange and one 2-1/2 in. (63 mm) corrugated flange and secured with steel fasteners spaced max 24 in. (610 mm) OC.
SAFTI SEAL INC — RCD
 - C. Studs — Steel studs to be min 3-1/2 in. (89 mm) wide. Studs cut 1/2 to 3/4 in. (13 to 19 mm) less in length than assembly height with bottom nesting in and resting on floor runner and with top nesting in ceiling runner (Item 2B) steel studs secured to slotted ceiling runner with No. 8 by 1/2 in. (13 mm) long wafer head steel screws at mid-height of slot on min. one side of wall. Stud spacing not to exceed 24 in. (610 mm) OC.
 - D. Resilient Channels (Config. B) — Furring channels fabricated from min 25 MSG corrosion-protected steel, spaced vertically a max of 24 in. (610 mm) OC. Flange portion attached to each intersecting stud with 1/2 in. (13 mm) long Type S-12 pan-head steel screws. Gypsum board attached to resilient channels as described in Item 2D.
 - E. Gypsum Board* — Gypsum board sheets installed to a min total thickness of 5/8 in. (16 mm) and 1-1/4 in. (32 mm) on each side of wall for 1 and 2 hr rated assemblies, respectively. Wall to be constructed as specified in the individual Wall and Partition Design in the UL Fire Resistance Directory, except that a nom 1 in. (25 mm) gap shall be maintained between the top of the gypsum board and the bottom of the steel floor units and the top row of screws shall be installed into the studs a min of 4 in. (102 mm) below the lower surface of the floor. The hourly fire rating of the joint system is equal to the hourly fire rating of the wall.
3. Fill, Void or Cavity Material* — Caulk or Sealant — Max separation between bottom of floor and top of wall is 1 in. (25 mm). The joint system is designed to accommodate a max 25 percent compression or extension from its installed width. Min 5/8 in. (16 mm) thickness of fill material installed on each side of the wall between the top of the gypsum board and the bottom of floor, flush with each surface of wall.
A/D FIRE PROTECTION SYSTEMS INC — A/D FireBarrier Acrylic Sealant
EGS NELSON FIRESTOP — ES 1399 Sealant
HILTI CONSTRUCTION CHEMICALS, DIV OF HILTI INC — CP601S or CFS-S SIL GG Sealant
RECTORSEAL — Metacaulk 1200 spray, Metacaulk 1200 Caulk Grade
SPECIFIED TECHNOLOGIES INC — SpecSeal ES Sealant, Pensil 300 Sealant, SIL300 Sealant
TREMCO INC — TREMstop Acrylic or Fyre-Sil
UNITED STATES GYPSUM CO — Type A

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

