

TOP OF WALL JOINT : GYPSUM WALL ASSEMBLY

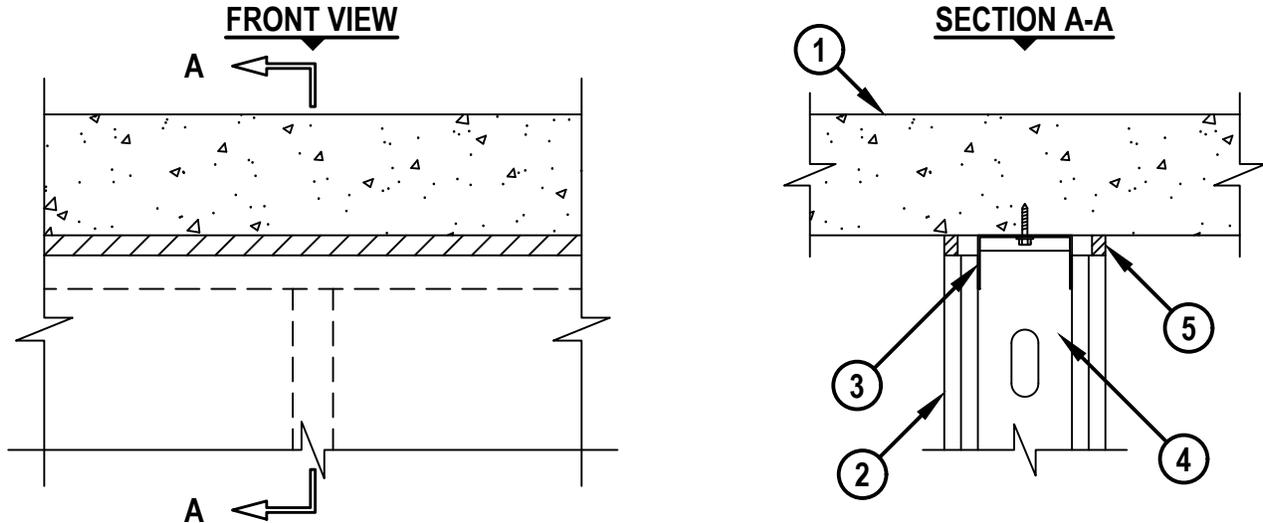
ASSEMBLY RATING = 1-HR. OR 2-HR.

CLASS II MOVEMENT CAPABILITIES - 33% COMPRESSION ONLY

L-RATING AT AMBIENT = LESS THAN 3.51 CFM / LIN FT

L-RATING AT 400°F = LESS THAN 1 CFM / LIN FT

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1. CONCRETE FLOOR ASSEMBLY :

A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR (MINIMUM 4-1/2" THICK).

B. ANY UL/cUL CLASSIFIED PRECAST (HOLLOW-CORE) CONCRETE FLOOR (MINIMUM 6" THICK).

2. GYPSUM WALL ASSEMBLY (UL/cUL CLASSIFIED U400, V400, OR W400 SERIES) (1-HR. OR 2-HR.

FIRE-RATING) (2-HR. SHOWN). HOURLY RATING OF THE JOINT SYSTEM IS EQUAL TO THE HOURLY RATING OF THE WALL ASSEMBLY.

3. CEILING RUNNER (MIN. 25 GA. OR 20 GA., FLANGE HEIGHT OF CEILING RUNNER SHALL BE MINIMUM 1/4" GREATER THAN MAXIMUM EXTENDED JOINT WIDTH) FASTENED TO UNDERSIDE OF CONCRETE FLOOR WITH STEEL MASONRY ANCHORS OR STEEL FASTENERS (SPACED MAX. 24" O.C.) (SEE NOTE NO. 2 BELOW).

4. STEEL STUDS (MIN. 3-1/2" WIDE), CUT 3/4" LESS IN LENGTH THAN ASSEMBLY HEIGHT, NESTING IN CEILING RUNNER WITHOUT ATTACHMENT.

5. MINIMUM 1/2" DEPTH HILTI FS-ONE MAX INTUMESCENT FIRESTOP SEALANT (SEE NOTE NO. 3 BELOW).

NOTES : 1. MAXIMUM WIDTH OF JOINT = 3/4".

2. AS AN ALTERNATE TO CEILING RUNNER IN ITEM 3, SLOTTED CEILING RUNNERS MAY BE USED. CONSULT THE UL FIRE RESISTANCE DIRECTORY FOR APPROVED MANUFACTURERS.

3. [OPTIONAL, NOT SHOWN] MINERAL WOOL, FIBERGLASS, OR POLYURETHANE/POLYETHYLENE FOAM BACKER ROD MAY BE USED AS A BACKER IN 2-HR. WALLS.



Hilti Firestop Systems

HILTI, Inc.
Plano, Texas USA (800) 879-8000

Sheet 1 of 1

Scale 9/64" = 1"

Date Aug. 04, 2023

Drawing No.

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