

TOP OF WALL JOINT : GYPSUM WALL AND MASS TIMBER FLOOR ASSEMBLY

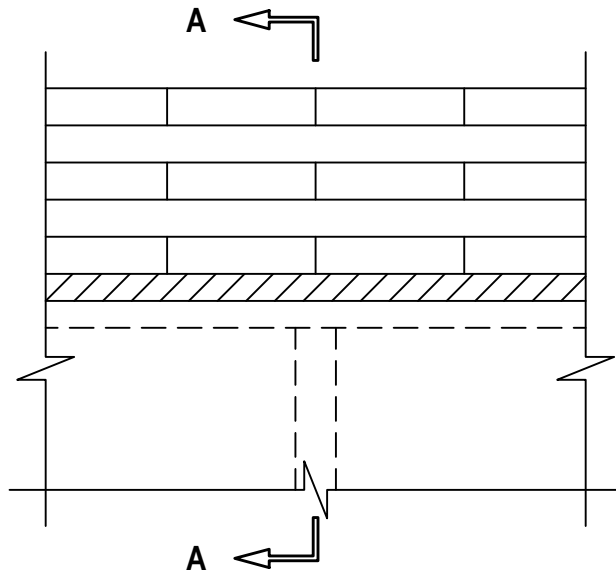
ASSEMBLY RATING = 1-HR. OR 2-HR.

CLASS II MOVEMENT CAPABILITIES - 12.5% COMPRESSION OR EXTENSION

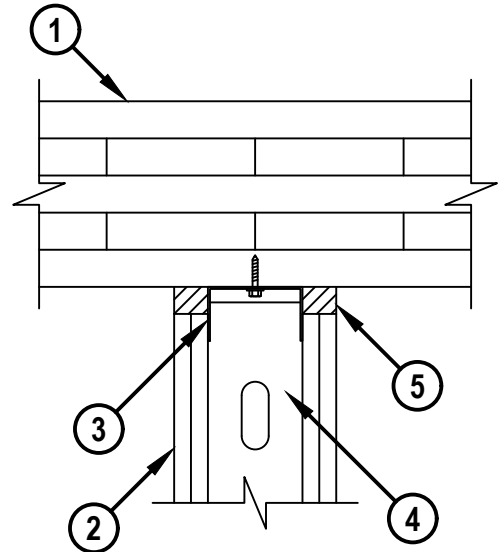
L-RATING AT AMBIENT = LESS THAN 1.1 CFM / LIN FT

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

FRONT VIEW



SECTION A-A



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1. CROSS-LAMINATED TIMBER (CLT) PANEL, MINIMUM 6-7/8" THICK, 5 PLY CROSS, LABELED GRADE CV3 IN ACCORDANCE WITH ANSI/APA PRG 320 AS REQUIRED BY CHAPTER 6 OF INTERNATIONAL BUILDING CODE (IBC) FOR TYPE IVA, IVB, OR IVC CONSTRUCTION. THE REQUIRED HOURLY RATING OF THE CLT FLOOR SHALL BE DETERMINED IN ACCORDANCE WITH CHAPTER 16 OF THE NATIONAL DESIGN SPECIFICATION (NDS). ADDITIONAL INFORMATION REGARDING THE USE OF CLT AS PERMITTED IN THE IBC IS LOCATED IN THE UL XHEZ GUIDE INFORMATION.
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 WALLS.
3. CEILING RUNNER (MIN. 25 GA., FLANGE HEIGHT OF CEILING RUNNER SHALL BE MINIMUM 1/4" GREATER THAN MAXIMUM EXTENDED JOINT WIDTH) FASTENED TO UNDERSIDE OF FLOOR WITH MINIMUM NO. 10 x 1-1/2" STEEL FASTENERS (SPACED MAX. 24" O.C.) (SEE NOTE NO. 2 BELOW).
4. STEEL STUDS (MIN. 3-1/2" WIDE), CUT 1/2" TO 3/4" LESS IN LENGTH THAN ASSEMBLY HEIGHT, NESTING IN CEILING RUNNER WITHOUT ATTACHMENT.
5. HILTI CP 606 FLEXIBLE FIRESTOP SEALANT :
 - A. MINIMUM 5/8" DEPTH OF SEALANT FOR 1-HR. FIRE-RATING.
 - B. MINIMUM 1-1/4" DEPTH OF SEALANT FOR 2-HR. FIRE-RATING.

NOTES : 1. MAXIMUM WIDTH OF JOINT = 1".

2. AS AN ALTERNATE TO CEILING RUNNER IN ITEM NO. 3, SLOTTED CEILING RUNNERS MAY BE USED. CONSULT THE UL FIRE RESISTANCE DIRECTORY FOR APPROVED MANUFACTURERS.

**Hilti Firestop Systems**

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

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Scale	-
Date	Nov. 09, 2023

Drawing No.

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