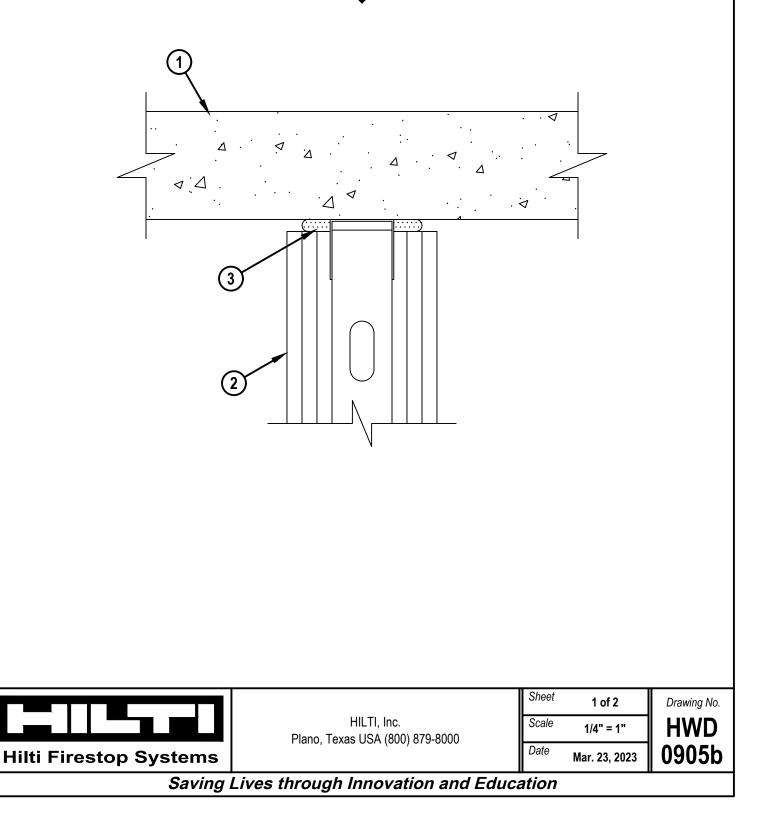
UL/cUL SYSTEM NO. HW-D-0905 TOP OF WALL JOINT : GYPSUM WALL ASSEMBLY

ASSEMBLY RATING = 2-HR. OR 3-HR. CLASS II MOVEMENT CAPABILITIES - 50% COMPRESSION OR EXTENSION, OR 66% COMPRESSION ONLY (SEE NOTE NO. 1 BELOW). L-RATING AT AMBIENT = 1 CFM / LIN FT OR LESS L-RATING AT 400°F = 1 CFM / LIN FT OR LESS

CROSS-SECTIONAL VIEW



| UL/cUL SYSTEM NO. HW-D-0905 | |
|--|-----------------|
| TOP OF WALL JOINT : GYPSUM WALL ASSEMBLY | |
| ASSEMBLY RATING = 2-HR. OR 3-HR. | 23 |
| CLASS II MOVEMENT CAPABILITIES - 50% COMPRESSION OR EXTENSION, | 0323 |
| OR 66% COMPRESSION ONLY (SEE NOTE NO. 1 BELOW). | 05b.(|
| L-RATING AT AMBIENT = 1 CFM / LIN FT OR LESS | HWD0905b.032323 |
| L-RATING AT 400°F = 1 CFM / LIN FT OR LESS | N N N |
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| | |
| | |
| | |
| | |
| 1. CONCRETE FLOOR ASSEMBLY. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE (MIN. 4-1/2" TH | |
| 2. GYPSUM WALL ASSEMBLY (UL/cUL CLASSIFIED U400, V400 OR W400 SERIES) (2-HR. OR 3-HR. | nory. |
| FIRE-RATING). THE HOURLY RATING OF THE JOINT SYSTEM IS DEPENDENT ON THE HOURLY AND SYSTEM IS DEPENDENT ON THE HOURLY RATING OF THE JOINT SYSTEM IS DEPENDENT ON THE HOURLY AND SYSTEM IS DEPENDENT ON THE JOINT SYSTEM IS DEPENDENT ON THE HOURLY AND SYSTEM IS DEPENDENT ON THE SYSTEM IS DEPENDENT ON THE SYSTEM IS DEPENDENT ON SYSTEM IS DEPENDENT ON SYSTEM IS DEPENDENT ON SYSTEM IS DEPENDENT SYSTEM IS DEPENDENT SYSTEM IS D | ATING OF |
| THE WALL. | |
| A. CEILING RUNNER (MIN. 25 GA., FLANGE HEIGHT OF CEILING RUNNER SHALL BE MINIMUM ' | |
| GREATER THAN MAXIMUM EXTENDED JOINT WIDTH) FASTENED TO UNDERSIDE OF CONCR | |
| WITH STEEL MASONRY ANCHORS OR STEEL FASTENERS (SPACED MAX 24" OC) (SEE NOTE | : NO. 2 |
| BELOW). B. STEEL STUDS (MIN. 2-1/2" WIDE) CUT 3/4" TO 1" LESS THAN ASSEMBLY HEIGHT, NESTING I | |
| RUNNER WITHOUT ATTACHMENT. STUDS SPACED A MAXIMUM 24" OC. | |
| C. GYPSUM BOARD - FOR 2-HR. ASSEMBLY, USE TWO LAYERS OF 5/8" THICK GYPSUM BOAR | d. for |
| 3-HR ASSEMBLY USE THREE LAYERS OF 5/8" THICK GYPSUM BOARD. TYPE, NUMBER OF LA | |
| AND SHEET ORIENTATION AS REQUIRED IN THE INDIVIDUAL UL DESIGN. | |
| 3. HILTI CFS-TTS 212, CFS-TTS 358, CFS-TTS 600, CFS-TTS R OS, OR CFS-TTS OS TOP TRACK SEA | |
| INSTALLED IN JOINT AS BACKER ROD. TOP TRACK SEAL CUT IN HALF LENGTHWISE AT DOTTE | |
| TEAR STRIP. ON EACH SIDE OF THE WALL, ONE HALF OF THE TOP TRACK SEAL IS TO BE FOLD PUSHED INTO THE JOINT TO BE FRICTION FIT AND TO BE FLUSH AGAINST THE CEILING RUNNE | |
| JOINTS IN TOP TRACK SEAL SHALL BE COMPRESSED TOGETHER A MIN 1/4". | |
| | |
| NOTES : 1. ALLOWABLE JOINT WIDTHS TO BE DETERMINED AS FOLLOWS: | |
| A. FOR 2-HR WALLS TO ACCOMMODATE MAX 50% COMPRESSION OR EXTENSION, | |
| MAX. WIDTH OF JOINT = 1/2". | |
| B. FOR 2-HR WALLS TO ACCOMMODATE MAX 66% COMPRESSION ONLY, | |
| MAX. WIDTH OF JOINT = 3/4". | |
| C. FOR 3-HR WALLS TO ACCOMMODATE MAX 50% COMPRESSION OR EXTENSION, MAX. WIDTH OF JOINT = 5/8". | |
| D. FOR 3-HR WALLS TO ACCOMMODATE MAX 66% COMPRESSION ONLY, | |
| MAX. WIDTH OF JOINT = $15/16$ ". | |
| 2. AS AN ALTERNATE TO CEILING RUNNER IN ITEM 2, SLOTTED CEILING RUNNERS MAY BE | |
| USED. CONSULT THE UL FIRE RESISTANCE DIRECTORY FOR APPROVED MANUFACTURERS. | |
| Sheet | |
| 2 01 2 | Drawing No. |
| HILTI, Inc. Scale | HWD |
| Hilti Firestop Systems | 0905b |
| Soving Lives through Innovation and Education | |

Saving Lives through Innovation and Education