

UL/cUL SYSTEM NO. HW-S-0069

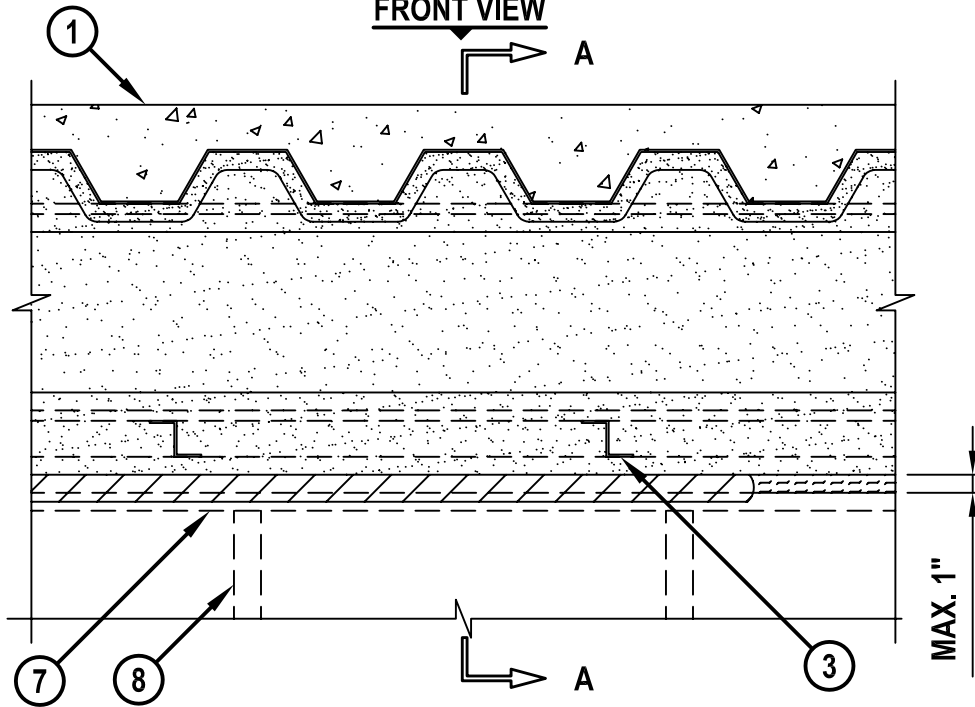
TOP OF WALL JOINT : GYPSUM WALL ASSEMBLY

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

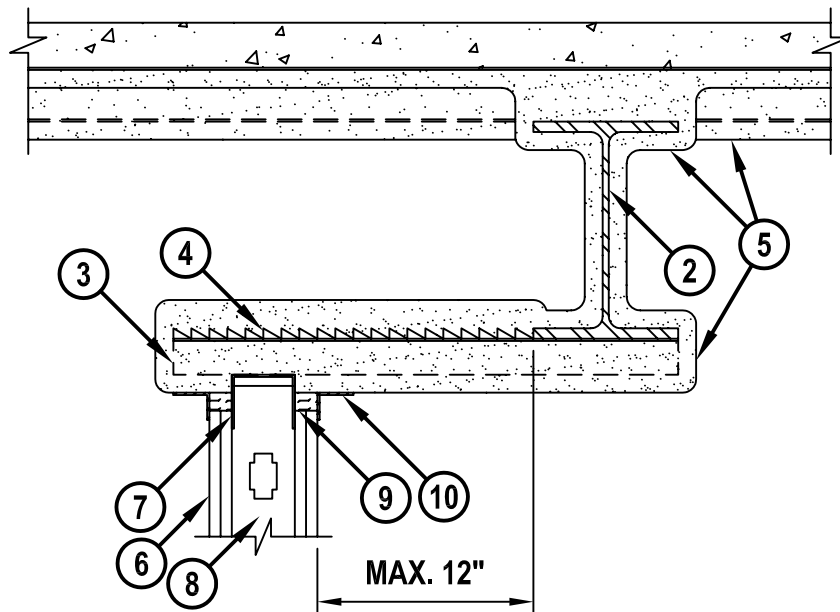
L-RATING AT AMBIENT = LESS THAN 1 CFM/LIN FT

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

FRONT VIEW



SECTION A-A



HWS0069d.052510



HILTI, Inc.
Tulsa, Oklahoma USA (800) 879-8000

Sheet	1 of 2
Scale	3/32" = 1"
Date	May 25, 2010

Drawing No.
HWS
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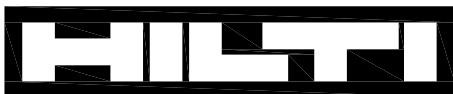
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1. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR (MINIMUM 2-1/2" THICK) OVER METAL DECKING (UL/cUL D700 SERIES) (1-HR. OR 2-HR. FIRE-RATING).
2. STRUCTURAL STEEL BEAM, AS SPECIFIED IN THE INDIVIDUAL D700 SERIES FLOOR/CEILING DESIGN, ORIENTED PARALLEL TO AND MAXIMUM 12" FROM WALL ASSEMBLY.
3. NOMINAL 1-1/2" TO 2" PAINTED OR GALVANIZED Z-SHAPED BARS OR CHANNELS (MIN. 16 GA.) WELDED TO STEEL BEAM.
4. NOMINAL 3/8" DIAMOND MESH EXPANDED STEEL LATH (NOMINAL WEIGHT 3.4 LB PER YARD) INSTALLED OVER AND SECURED TO THE STEEL FURRING BARS OR CHANNELS WITH STEEL FASTENERS OR TIE WIRE.
5. UL/cUL CLASSIFIED MONOKOTE TYPE MK-6/HY, MK-6/HYES, OR MK-6S (MANUFACTURED BY W.R. GRACE) OR TYPE 300 (MANUFACTURED BY ISOLATEK, INT.) FIREPROOFING SPRAYED ON DECK AND STEEL BEAM TO THE THICKNESS SPECIFIED IN THE INDIVIDUAL D700 SERIES DESIGN. FIREPROOFING TO COMPLETELY FILL FLUTES ABOVE THE STRUCTURAL STEEL BEAM, AND FULLY COVER FURRING MEMBER TO THE MINIMUM THICKNESS OF MATERIAL REQUIRED ON THE FLANGES OF STEEL BEAM (SEE NOTES NO. 1 AND 2 BELOW).
6. GYPSUM WALL ASSEMBLY (UL/cUL CLASSIFIED U400 OR V400 SERIES) (1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN).
7. CEILING RUNNER (MIN. 25 GA., WITH 1-1/4" TO 3" FLANGES) SECURED TO STEEL FURRING WITH STEEL FASTENERS OR WELDS AT MAXIMUM 24" ON CENTER.
8. STEEL STUDS (MINIMUM 3-1/2" WIDE) CUT 1/2" TO 3/4" LESS IN LENGTH THAN ASSEMBLY HEIGHT, NESTING IN CEILING RUNNER WITHOUT ATTACHMENT.
9. HILTI CP 767 SPEED STRIPS OR MINERAL WOOL (MIN. 4 PCF DENSITY) COMPRESSED 50% AND INSERTED INTO JOINT, FLUSH WITH BOTH SIDES OF WALL.
10. MINIMUM 1/8" (WET) THICKNESS HILTI CFS-SP WB FIRESTOP JOINT SPRAY OR HILTI CP 672 SPEED SPRAY TO COMPLETELY COVER MINERAL WOOL, OVERLAPPING MINIMUM 1/2" ONTO GYPSUM WALL AND MINIMUM 2" ONTO FIREPROOFING.

NOTES : 1. ADDITIONAL FIREPROOFING TO BE APPLIED TO THE WEB OF THE STEEL BEAM ON EACH SIDE OF THE WALL. APPLY 13/16" AND 1-3/8" THICKNESS FOR 1-HR. OR 2-HR. WALLS, RESPECTIVELY (WHEN USING MONOKOTE) OR 11/16" AND 1-1/2" THICKNESS FOR 1-HR. OR 2-HR. WALLS, RESPECTIVELY (WHEN USING TYPE 300 FIREPROOFING).
2. THE THICKNESS OF FIREPROOFING APPLIED TO THE EXPANDED STEEL LATH SHALL COVER THE TOP SURFACE OF THE LATH WITH A MINIMUM 1-5/8" AND 2-5/8" THICKNESS FOR 1-HR. AND 2-HR. WALLS, RESPECTIVELY.



Hilti Firestop Systems

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