

CLASS II OR III MOVEMEN	UL/cUL SYSTEM NO. HW-D-0933 VALL JOINT : GYPSUM WALL ASSE ASSEMBLY RATING = 1-HR. OR 2-HR. CAPABILITIES - 62% OR 86% COMPRESSION 92% COMPRESSION ONLY L-RATING AT AMBIENT = 1 CFM / LIN FT	ON OR EXTENSION ((SEE TABLE BELO)	9			
L-RA	TING AT 400°F = LESS THAN 1 CFM / LIN F1		HWI			
EQUAL TO OR GREATER THAN TH A. REINFORCED CONCRETE (MI (BY EPIC METALS). A1. STEEL FLOOR AND FORM U GALV STEEL FLUTED UNITS. (VERSA-DEK® 3.5VLSC). A2. STEEL FLOOR AND FORM U GALV STEEL FLUTED UNITS. (FORMLOK). A3. STEEL FLOOR AND FORM U GALV STEEL FLUTED UNITS. (FORMLOCK). B. [NOT SHOWN] FLUTED STEEL	E HOURLY RATING OF THE FLOOR OR ROO HE HOURLY RATING OF THE WALL ASSEME IN. 2-1/2" THICK) OVER COMPOSITE METAL NITS — COMPOSITE MAX 2 IN. (51 MM) AND NEW MILLENNIUM BUILDING SYSTEMS L L NITS – COMPOSITE MAX 2 IN. (51 MM) AND VERCO DECKING INC – A NUCOR CO – TYP NITS – COMPOSITE MAX 2 IN. (51 MM) AND VERCO DECKING INC – A NUCOR CO – TYP NITS – COMPOSITE MAX 2 IN. (51 MM) AND VULCRAFT, DIV OF NUCOR CORP – TYPE 2 L ROOF DECK (UL/cUL CLASSIFIED P900 SE 2-1/2" THICK) OVER COMPOSITE METAL D	BLY) : DECK (MAX. 4" DEE DMAX 3.5 IN. (89 MM C — VERSA-DEK®, MAX 3.5 IN. (89MM) PE 2.0D FORMLOK, T MAX 3.5 IN. (89MM) 2.0D FORMLOK, TYPE ERIES) CONSISTING	P FLUTES)) DEEP DEEP YPE 3.5D DEEP E 3.5D OF			
VERSA-DEK® OR MAX. 3-1/2"	N. 2-1/2" THICK) OVER COMPOSITE METAL DEEP FLUTES VERSA-DEK® 3.5 VLSC) (BY					
SYSTEMS). 2. GYPSUM WALL ASSEMBLY (UL/cUL CLASSIFIED U400, V400, OR W400 SERIES) (1-HR. OR 2-HR. FIRE-RATING). THE HOURLY RATING OF THE JOINT SYSTEM IS DEPENDENT UPON THE HOURLY RATING OF THE WALL ASSEMBLY.						
3. CEILING RUNNER (MIN. 25 GA., F THAN MAXIMUM EXTENDED JOIN ANCHORS, STEEL FASTENERS, C	LANGE HEIGHT OF CEILING RUNNER SHAL T WIDTH) FASTENED TO UNDERSIDE OF DE OR WELDS (SPACED MAX. 24" O.C.) (SEE NO CUT 3/4" TO 1" LESS IN LENGTH THAN AS CHMENT.	ECK WITH STEEL MA DTE NO. 2 BELOW).	SONRY			
5. 5/8" OR 1-1/4" THICKNESS GYPSUM WALLBOARD AS SPECIFIED IN THE INDIVIDUAL UL DESIGN. TOP ROW OF SCREWS SHALL BE INSTALLED INTO STUDS 3-1/2" TO 5-1/2" BELOW THE BOTTOM OF THE CEILING RUNNER.						
 6. HILTI CFS-TTS MD OS OR CFS-TTS MD 600 TOP TRACK SEAL INSTALLED OVER CEILING RUNNER PRIOR TO ATTACHMENT TO UNDERSIDE OF STEEL FLOOR UNIT IN ACCORDANCE WITH THE ACCOMPANYING INSTALLATION INSTRUCTIONS. 7. FOR CONFIGURATION B ONLY, HILTI CP 620 FIRE FOAM INSTALLED TO FILL FLUTES ABOVE WALL ASSEMBLY. 						
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UL/cUL SYSTEM NO. HW-D-0933 TOP OF WALL JOINT : GYPSUM WALL ASSEMBLY

ASSEMBLY RATING = 1-HR. OR 2-HR. CLASS II OR III MOVEMENT CAPABILITIES - 62% OR 86% COMPRESSION OR EXTENSION OR 92% COMPRESSION ONLY (SEE TABLE BELOW) L-RATING AT AMBIENT = 1 CFM / LIN FT L-RATING AT 400°F = LESS THAN 1 CFM / LIN FT

MAX NOM JOINT WIDTH	MAX MOVEMENT CAPABILITIES		MAX MOVEMENT		
7/8"	COMPRESSION	86%	3/4"		
110	EXTENSION 86%	86%	3/4"		
1"	COMPRESSION	62%	5/8"		
	EXTENSION	62%	5/8"		
1-5/8"	COMPRESSION	92%	1-1/2"		
	EXTENSION	0%	0"		
AS AN ALTERNATIVE TO THE MOVEMENT PERCENTAGES ABOVE THE JOINT					

AS AN ALTERNATIVE TO THE MOVEMENT PERCENTAGES ABOVE, THE JOINT SYSTEM MAY MOVE FREELY WITHOUT RESTRICTION TO THE PERCENTAGE OF MOVEMENT WITHIN THE RANGE OF A MIN 1/8" TO MAX 1-5/8" JOINT WIDTH.

NOTES : 1. AS AN ALTERNATE TO CEILING RUNNER IN ITEM 3, SLOTTED CEILING RUNNERS MAY BE USED. CONSULT THE UL FIRE RESISTANCE DIRECTORY FOR APPROVED MANUFACTURERS. WHEN SLOTTED CEILING RUNNERS ARE USED, STUDS TO BE SECURED TO CEILING RUNNERS WITH NO. 8 x 1/2" LONG STEEL SCREWS AT MID-HEIGHT OF SLOT ON EACH SIDE OF WALL.

2. FOR CONFIGURATION B ONLY, AS AN ALTERNATIVE TO HILTI CP 620 FIRE FOAM, THE FLUTES ABOVE THE WALL ASSEMBLY MAY BE FILLED WITH MINERAL WOOL SAFING (MIN. 4 PCF DENSITY) FIRMLY PACKED INTO FLUTE.

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