

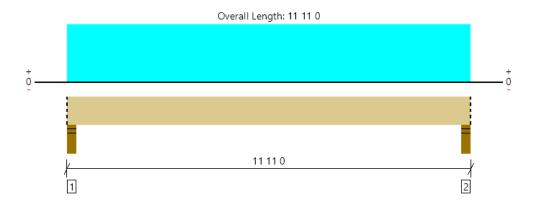
Level			
Member Name	Results	Current Solution	Comments
BM1-3	Passed	3 piece(s) 1 3/4" x 9 1/4" 2.0E Microllam® LVL	

ForteWEB Software Operator	Job Notes
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Level, BM1-3 3 piece(s) 1 3/4" x 9 1/4" 2.0E Microllam® LVL



All locations are measured from the outside face of left support (or left cantilever end). All dimensions are horizontal.

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	4355 @ 0 3 0	10041 (4.50")	Passed (43%)		1.0 D + 1.0 Lr (All Spans)
Shear (lbs)	3517 @ 1 1 12	11534	Passed (30%)	1.25	1.0 D + 1.0 Lr (All Spans)
Moment (Ft-lbs)	11907 @ 5 11 8	21007	Passed (57%)	1.25	1.0 D + 1.0 Lr (All Spans)
Live Load Defl. (in)	0.212 @ 5 11 8	0.571	Passed (L/647)		1.0 D + 1.0 Lr (All Spans)
Total Load Defl. (in)	0.432 @ 5 11 8	0.761	Passed (L/317)		1.0 D + 1.0 Lr (All Spans)

System : Roof Member Type : Flush Beam Building Use : Residential Building Code : IBC 2018 Design Methodology : ASD Member Pitch : 0/12

- Deflection criteria: LL (L/240) and TL (L/180).
- Allowed moment does not reflect the adjustment for the beam stability factor.

	Bearing Length			Loads to Supports (lbs)			
Supports	Total	Available	Required	Dead	Roof Live	Total	Accessories
1 - Stud wall - SPF	4.50"	4.50"	1.95"	2219	2135	4354	Blocking
2 - Stud wall - SPF	4.50"	4.50"	1.95"	2219	2135	4354	Blocking

[•] Blocking Panels are assumed to carry no loads applied directly above them and the full load is applied to the member being designed.

Lateral Bracing	Bracing Intervals	Comments
Top Edge (Lu)	11 11 0 o/c	
Bottom Edge (Lu)	11 11 0 o/c	

[•]Maximum allowable bracing intervals based on applied load.

Multiple Member Connections								
Туре	Location	Fastener	Placement	Rows	O.C.	# of Fasteners	Details	
Uniform	0 0 0 to 11 11 0	10d Nail (0.128" x 3") [1]	Both Faces	3	6"		L17	

			Dead	Roof Live	
Vertical Loads	Location (Side)	Tributary Width	(0.90)	(non-snow: 1.25)	Comments
0 - Self Weight (PLF)	0 0 0 to 11 11 0	N/A	14.2		
1 - Uniform (PSF)	0 0 0 to 11 11 0 (Front)	17 11 0	20.0	20.0	Default Load

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The product application, input design loads, dimensions and support information have been provided by ForteWEB Software Operator

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