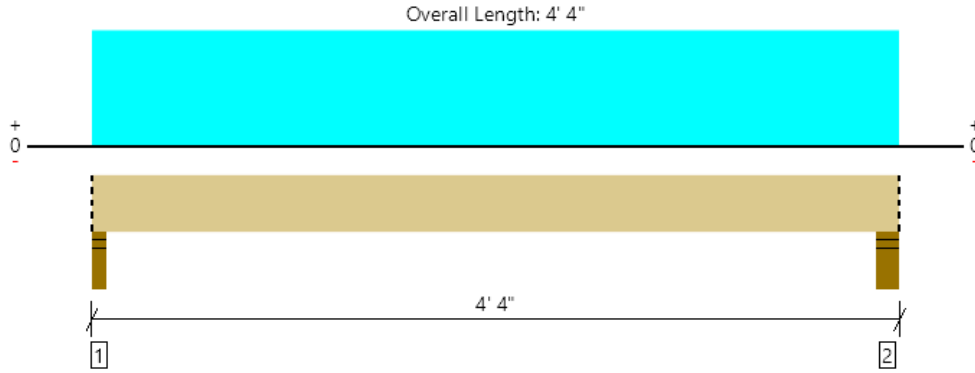


Level, BM5A  
2 piece(s) 1 3/4" x 14" 2.OE Microllam® LVL



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)	2271 @ 2"	5206 (3.50")	Passed (44%)	--	1.0 D (All Spans)
Shear (lbs)	681 @ 1' 5 1/2"	8379	Passed (8%)	0.90	1.0 D (All Spans)
Moment (Ft-lbs)	2003 @ 2' 1"	21832	Passed (9%)	0.90	1.0 D (All Spans)
Live Load Defl. (in)	0.000 @ 0	0.096	Passed (2L/999+)	--	1.0 D (All Spans)
Total Load Defl. (in)	0.008 @ 2' 1"	0.128	Passed (L/999+)	--	1.0 D (All Spans)

System : Floor  
Member Type : Flush Beam  
Building Use : Residential  
Building Code : IBC 2015  
Design Methodology : ASD

- Deflection criteria: LL (L/480) and TL (L/360).
- Allowed moment does not reflect the adjustment for the beam stability factor.

Supports	Bearing Length			Loads to Supports (lbs)		Accessories
	Total	Available	Required	Dead	Factored	
1 - Stud wall - SPF	3.50"	3.50"	1.53"	2271	2271	Blocking
2 - Stud wall - SPF	5.50"	5.50"	1.65"	2453	2453	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)	4' 4" o/c	
Bottom Edge (Lu)	4' 4" o/c	

- Maximum allowable bracing intervals based on applied load.

Multiple Member Connections								
Type	Location	Fastener		Placement	Rows	O.C.	# of Fasteners	Details
Uniform	0 to 4' 4"	10d Nail (0.128" x 3')		One Face	2	6"	--	L17

Vertical Loads	Location (Side)	Tributary Width	Dead (0.90)	Comments
0 - Self Weight (PLF)	0 to 4' 4"	N/A	14.3	
1 - Uniform (PLF)	0 to 4' 4" (Back)	N/A	533.0	F211
2 - Uniform (PLF)	0 to 4' 4" (Front)	N/A	543.0	F212

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

ForteWEB Software Operator	Job Notes
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