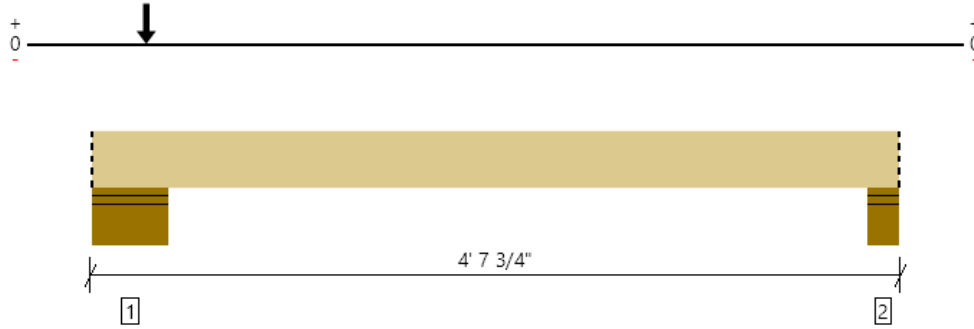


Level, BM5B  
2 piece(s) 1 3/4" x 14" 2.OE Microllam® LVL

Overall Length: 4' 7 3/4"



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)	23 @ 4' 1 3/4"	11156 (7.50")	Passed (0%)	--	1.0 D (All Spans)
Shear (lbs)	5 @ 2' 8 1/2"	8379	Passed (0%)	0.90	1.0 D (All Spans)
Moment (Ft-lbs)	-10 @ 1' 5"	21832	Passed (0%)	0.90	1.0 D (All Spans)
Live Load Defl. (in)	0.000 @ 0	0.035	Passed (2L/999+)	--	1.0 D (All Spans)
Total Load Defl. (in)	0.000 @ 0	0.091	Passed (2L/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	18.50"	18.50"	18.50"	43	40	Blocking
2 - Stud wall - SPF	7.50"	7.50"	1.50"	23	23	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' 8" o/c	
Bottom Edge (Lu)	4' 8" 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' 7 3/4"	10d Nail (0.128" x 3")		One Face	2	12"	--	L17

Vertical Loads	Location (Side)	Tributary Width	Dead (0.90)	Comments
0 - Self Weight (PLF)	0 to 4' 7 3/4"	N/A	14.3	
1 - Point (lb)	3 3/4" (Back)	N/A	181	F205

Weyerhaeuser Notes
<p>Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable forestry standards. Weyerhaeuser Engineered Lumber Products have been evaluated by ICC-ES under evaluation reports ESR-1153 and ESR-1387 and/or tested in accordance with applicable ASTM standards. For current code evaluation reports, Weyerhaeuser product literature and installation details refer to <a href="http://www.weyerhaeuser.com/woodproducts/document-library">www.weyerhaeuser.com/woodproducts/document-library</a>.</p> <p>The product application, input design loads, dimensions and support information have been provided by ForteWEB Software Operator</p>

ForteWEB Software Operator	Job Notes
Thuy Tu Platinum Global 0908070605 thuy.tu@platinumviet.com.au	

