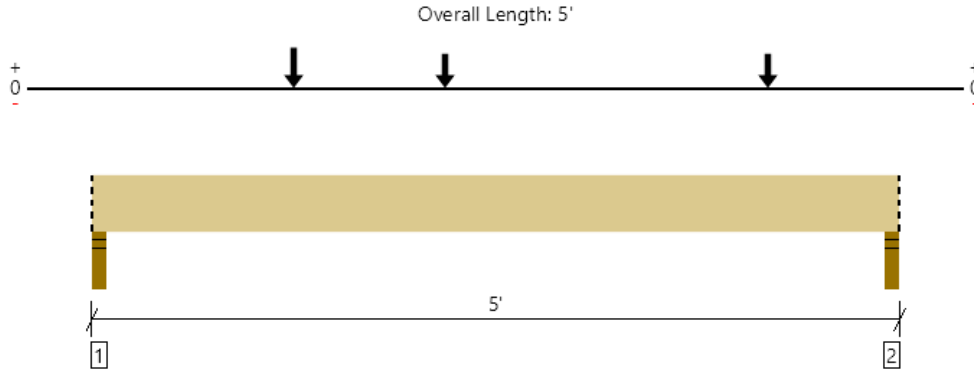


Level, BM5_DROP
 2 piece(s) 1 3/4" x 9 1/4" 2.0E Microllam® LVL



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)	1822 @ 2"	5206 (3.50")	Passed (35%)	--	1.0 D (All Spans)
Shear (lbs)	1812 @ 1' 3/4"	5536	Passed (33%)	0.90	1.0 D (All Spans)
Moment (Ft-lbs)	2440 @ 2' 2 1/4"	10083	Passed (24%)	0.90	1.0 D (All Spans)
Live Load Defl. (in)	0.000 @ 0	0.156	Passed (2L/999+)	--	1.0 D (All Spans)
Total Load Defl. (in)	0.028 @ 2' 2 1/4"	0.233	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/360) and TL (L/240).
- Allowed moment does not reflect the adjustment for the beam stability factor.

Supports	Bearing Length			Loads to Supports (lbs)		Accessories
	Total	Available	Required	Dead	Total	
1 - Stud wall - SPF	3.50"	3.50"	1.50"	1822	1822	Blocking
2 - Stud wall - SPF	3.50"	3.50"	1.50"	1794	1794	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)	5' o/c	
Bottom Edge (Lu)	5' 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 5'	10d Nail (0.128" x 3')		One Side	3	12"	--	L6

Vertical Loads	Location (Side)	Tributary Width	Dead (0.90)	Comments
0 - Self Weight (PLF)	0 to 5'	N/A	9.4	
1 - Point (lb)	1' 3" (Top)	N/A	1300	E01
2 - Point (lb)	2' 2 1/4" (Top)	N/A	1134	E02
3 - Point (lb)	4' 2 1/4" (Top)	N/A	1134	E02

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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
Thuy Tu Platinum Global 0908070605 thuy.tu@platinumviet.com.au	

