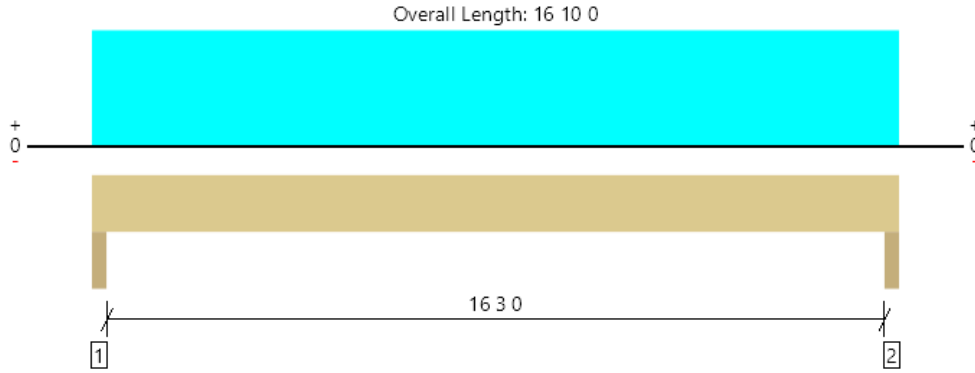


Level, DB01  
2 piece(s) 1 3/4" x 11 7/8" 2.0E Microllam® LVL



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)	1617 @ 0 2 0	8881 (3.50")	Passed (18%)	--	1.0 D + 1.0 S (All Spans)
Shear (lbs)	1371 @ 1 3 6	9081	Passed (15%)	1.15	1.0 D + 1.0 S (All Spans)
Moment (Ft-lbs)	6538 @ 8 5 0	20525	Passed (32%)	1.15	1.0 D + 1.0 S (All Spans)
Live Load Defl. (in)	0.108 @ 8 5 0	0.825	Passed (L/999+)	--	1.0 D + 1.0 S (All Spans)
Total Load Defl. (in)	0.346 @ 8 5 0	1.100	Passed (L/572)	--	1.0 D + 1.0 S (All Spans)

System : Roof  
Member Type : Drop 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.

Supports	Bearing Length			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Snow	Total	
1 - Column - SPF	3.50"	3.50"	1.50"	1112	505	1617	None
2 - Column - SPF	3.50"	3.50"	1.50"	1112	505	1617	None

Lateral Bracing	Bracing Intervals	Comments
Top Edge (Lu)	16 10 0 o/c	
Bottom Edge (Lu)	16 10 0 o/c	

•Maximum allowable bracing intervals based on applied load.

Vertical Loads	Location (Side)	Tributary Width	Dead (0.90)	Snow (1.15)	Comments
0 - Self Weight (PLF)	0 0 0 to 16 10 0	N/A	12.1	--	
1 - Uniform (PSF)	0 0 0 to 16 10 0 (Top)	2 0 0	10.0	30.0	Default Load
2 - Uniform (PLF)	0 0 0 to 16 10 0 (Top)	N/A	100.0	-	

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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
Cameron Lallathin Carolina Structural Systems (336) 423-2910 clallathin@carolinastructuralsystems.com	

