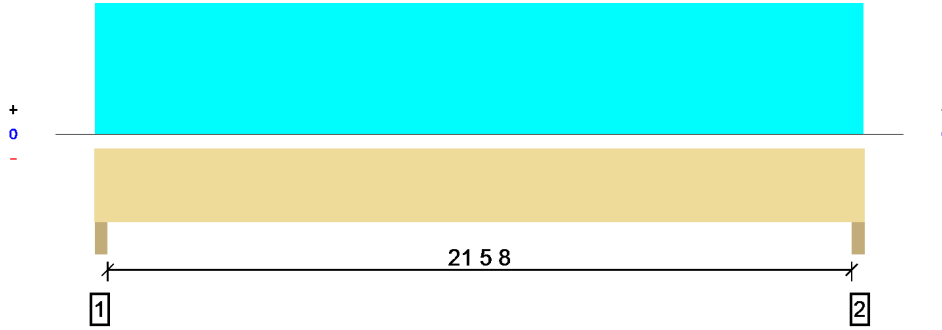




01: Level			
Member Name	Results	Current Solution	Comments
BM1	Passed	3 Piece(s) 1 3/4" x 18" 2.0E Microllam® LVL	

Forte Software Operator	Job Notes
Garrett Bumgardner Builders First Source (904) 680-6222 garrett.bumgardner@bldr.com	Starr Custom Homes Sieburg Residence

Overall Length: 22 0 8



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

Design Results	Actual @ Location	Allowed	Result	LDF	Load: Combination (Pattern)
Member Reaction (lbs)	7727 @ 0 2 0	13781 (3.50")	Passed (56%)	--	1.0 D + 1.0 Lr (All Spans)
Shear (lbs)	6471 @ 1 9 8	22444	Passed (29%)	1.25	1.0 D + 1.0 Lr (All Spans)
Moment (Ft-lbs)	41299 @ 11 0 4	72662	Passed (57%)	1.25	1.0 D + 1.0 Lr (All Spans)
Live Load Defl. (in)	0.364 @ 11 0 4	0.724	Passed (L/716)	--	1.0 D + 1.0 Lr (All Spans)
Total Load Defl. (in)	0.737 @ 11 0 4	1.085	Passed (L/354)	--	1.0 D + 1.0 Lr (All Spans)

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

- Deflection criteria: LL (L/360) and TL (L/240).
- Bracing (Lu): All compression edges (top and bottom) must be braced at 9 10 2 o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

Supports	Bearing			Loads to Supports (lbs)				Accessories
	Total	Available	Required	Dead	Floor Live	Roof Live	Total	
1 - Column - SYP	3.50"	3.50"	1.96"	3913	441	3813	8167	None
2 - Column - SYP	3.50"	3.50"	1.96"	3913	441	3813	8167	None

Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Roof Live (non-snow: 1.25)	Comments
1 - Uniform (PSF)	0 0 0 to 22 0 8	1 0 0	12.0	40.0	-	Residential - Living Areas
2 - Uniform (PLF)	0 0 0 to 22 0 8	N/A	65.0	-	110.0	T05, T06
3 - Uniform (PLF)	0 0 0 to 22 0 8	N/A	110.0	-	-	Wall Above
4 - Uniform (PLF)	0 0 0 to 22 0 8	N/A	142.0	-	236.0	T42

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



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