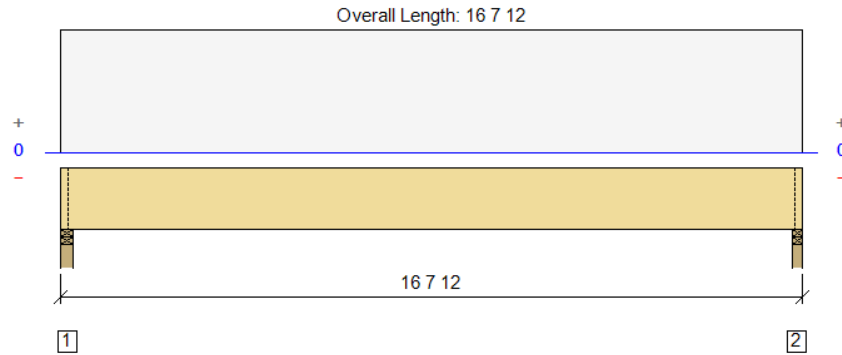


2 piece(s) 1 3/4" x 16" TimberStrand® LSL Beam (1.55E)



All Dimensions are Horizontal; Drawing is Conceptual

Design Results	Actual @ Location	Allowed	Result	LDF	Load Combination (Load Pattern)
Member Reaction (lbs)	2714 @ 16 6 10	5191	Passed (52%)	- -	1.0 D + 1.0 L + 1.0 Lr (All Spans)
Shear (lbs)	2205 @ 1 7 8	14467	Passed (15%)	1.25	1.0 D + 1.0 L + 1.0 Lr (All Spans)
Moment (Ft-lbs)	10991 @ 8 4 5	35222	Passed (31%)	1.25	1.0 D + 1.0 L + 1.0 Lr (All Spans)
Live Load Defl. (in)	0.117 @ 8 4 5	0.410	Passed (L/999+)	- -	1.0 D + 1.0 L + 1.0 Lr (All Spans)
Total Load Defl. (in)	0.316 @ 8 4 5	0.819	Passed (L/622)	- -	1.0 D + 1.0 L + 1.0 Lr (All Spans)

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

- Deflection criteria: LL (L/480) and TL (L/240).
- Bracing (Lu): All compression edges (top and bottom) must be braced at 14 1 12 o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

Supports	Bearing			Support Reactions (lbs)						Accessories
	Total	Available	Required	Dead	Floor live	Roof live	Snow	Wind	Seismic	
1 - Stud wall - Southern Pine	3.50"	3.50"	1.50"	1724	334	679	0	0	0	Blocking
2 - Stud wall - Southern Pine	2.63"	2.63"	1.50"	1709	331	673	0	0	0	Blocking

- Blocking Panels are assumed to carry no loads applied directly above them and the full load is applied to the member being designed.

Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Roof Live (non-snow: 1.25)	Snow (1.15)	Wind (1.60)	Seismic (1.60)	Comments
1 - Uniform(PSF)	0 0 0 to 16 7 12	1 0 0	15.0	40.0	0.0	0.0	0.0	0.0	Residential - Living Areas
2 - Uniform(PLF)	0 0 0 to 16 7 12	N/A	125.0	0.0	0.0	0.0	0.0	0.0	WALL
3 - Uniform(PLF)	0 0 0 to 16 7 12	N/A	48.8	0.0	81.3	0.0	0.0	0.0	JACKS ABOVE

iLEVEL® Notes

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



Forte™ Software Operator	Job Notes
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