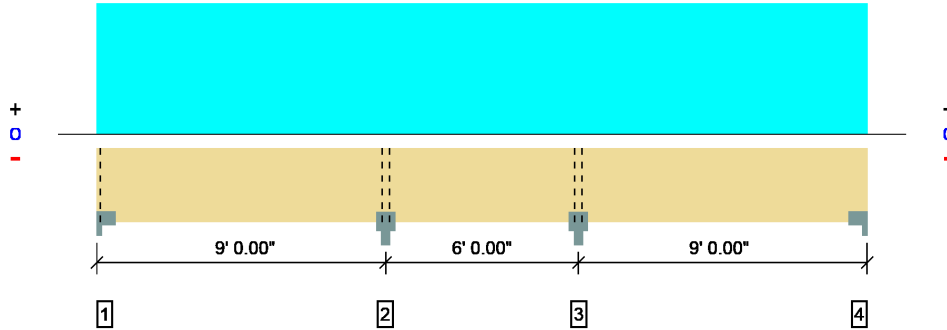


3 piece(s) 1 3/4" x 7 1/4" 1.9E Microllam® LVL

Overall Length: 24' 0.00"



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)	4587 @ 9' 0.00"	20672 (5.25")	Passed (22%)	--	1.0 D + 1.0 S (Adj Spans)
Shear (lbs)	2294 @ 8' 2.13"	8317	Passed (28%)	1.15	1.0 D + 1.0 S (Adj Spans)
Moment (Ft-lbs)	3673 @ 4' 0.19"	12273	Passed (30%)	1.15	1.0 D + 1.0 S (Alt Spans)
Live Load Defl. (in)	0.125 @ 4' 4.75"	0.290	Passed (L/835)	--	1.0 D + 1.0 S (Alt Spans)
Total Load Defl. (in)	0.157 @ 4' 4.62"	0.434	Passed (L/664)	--	1.0 D + 1.0 S (Alt Spans)

 System : Floor
 Member Type : Drop 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 24' 0.00" o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

Supports	Bearing Length			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Snow	Total	
1 - Column Cap - steel	5.25"	5.25"	1.50"	456	1695	2151	Blocking
2 - Column Cap - steel	5.25"	5.25"	1.50"	930	3656	4586	Blocking
3 - Column Cap - steel	5.25"	5.25"	1.50"	930	3656	4586	Blocking
4 - Column Cap - steel	5.25"	5.25"	1.50"	456	1695	2151	None

- 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)	Snow (1.15)	Comments
1 - Uniform(PSF)	0 to 24' 0.00"	7' 0.00"	15.0	60.0	ROOF LOAD

Weyerhaeuser Notes

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. Refer to current Weyerhaeuser literature for installation details. (www.woodbywy.com) Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this 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. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable forestry standards.

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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