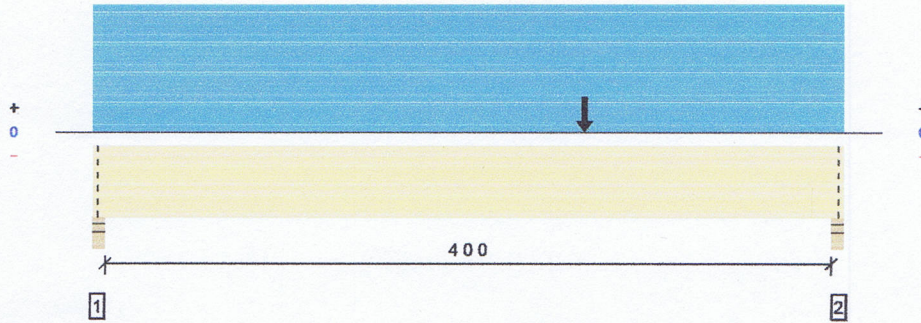


2 piece(s) 1 3/4" x 11 7/8" 2.OE Microllam® LVL

LVL #3

Overall Length: 4 7 0



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)	3843 @ 4 5 0	5206 (3.50")	Passed (74%)	--	1.0 D + 1.0 L (All Spans)
Shear (lbs)	3761 @ 3 3 10	7897	Passed (48%)	1.00	1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	5365 @ 3 0 0	17848	Passed (30%)	1.00	1.0 D + 1.0 L (All Spans)
Live Load Defl. (in)	0.021 @ 3 0 0	0.106	Passed (L/999+)	--	1.0 D + 1.0 L (All Spans)
Total Load Defl. (in)	0.028 @ 3 0 0	0.213	Passed (L/999+)	--	1.0 D + 1.0 L (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 4 7 0 o/c unless detailed otherwise. Proper attachment and positioning of lateral bracing is required to achieve member stability.

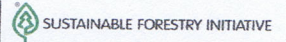
Supports	Bearing Length			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Floor Live	Total	
1 - Stud wall - SPF	3.50"	3.50"	1.50"	516	1478	1994	Blocking
2 - Stud wall - SPF	3.50"	3.50"	2.58"	978	2865	3843	Blocking

- 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)	Comments
1 - Uniform (PSF)	0 0 0 to 4 7 0	1 0 0	12.0	40.0	Residential - Living Areas
2 - Point (lb)	3 0 0	N/A	1386	4160	Point load from Beam 2

**Weyerhaeuser Notes**

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Forte Software Operator	Job Notes
Santo Ruzzi Blueinx (207) 432-6741 Santo.Ruzzi@blueinxco.com	Butman