FORTE

MEMBER REPORT *Level, Floor: Flush Beam*

2 piece(s) 1 3/4" x 14" 2.0E Microllam® LVL

PASS

Inspections Division
Date: 09/29/15

Overall Length: 13' 6.00"

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)	6328 @ 1.50"	7613 (3.00")	Passed (83%)	--	1.0 D + 1.0 L (All Spans)
Shear (lbs)	5000 @ 1' 5.00"	9310	Passed (54%)	1.00	1.0 D + 1.0 L (All Spans)
Moment (Ft-lbs)	20574 @ 6' 9.00"	24258	Passed (85%)	1.00	1.0 D + 1.0 L (All Spans)
Live Load Defl. (in)	0.320 @ 6' 9.00"	0.442	Passed (L/497)	--	1.0 D + 1.0 L (All Spans)
Total Load Defl. (in)	0.455 @ 6' 9.00"	0.663	Passed (L/350)	--	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/360) and TL (L/240).
- Bracing (Lu): All compression edges (top and bottom) must be braced at 6' 5.46" 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 - Column - HF	3.00"	3.00"	2.49"	1873	4455	6328	None
2 - Column - HF	3.00"	3.00"	2.49"	1873	4455	6328	None

Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Comments
1 - Uniform (PSF)	0 to 13' 6.00"	11' 0.00"	12.0	30.0	Residential - Sleeping Areas
2 - Uniform (PSF)	0 to 13' 6.00"	11' 0.00"	12.0	30.0	Residential - Sleeping Areas

Weyerhaeuser Notes

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

SUSTAINABLE FORESTRY INITIATIVE

Forte Software Operator	Job Notes
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