FORTE®

MEMBER REPORT *Level, Gable beam*

2 piece(s) 1 3/4" x 7 1/4" 2.0E Microllam® LVL

PAS

Inspections Division
Date: 07/23/15

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)	1307 @ 0 1 8	7613 (3.00")	Passed (17%)	--	1.0 D + 1.0 S (All Spans)
Shear (lbs)	1095 @ 0 10 4	5544	Passed (20%)	1.15	1.0 D + 1.0 S (All Spans)
Moment (Ft-lbs)	3270 @ 5 3 0	8182	Passed (40%)	1.15	1.0 D + 1.0 S (All Spans)
Live Load Defl. (in)	0.141 @ 5 3 0	0.342	Passed (L/871)	--	1.0 D + 1.0 S (All Spans)
Total Load Defl. (in)	0.293 @ 5 3 0	0.313	Passed (L/420)	--	1.0 D + 1.0 S (All Spans)

System : Wall
Member Type : Header
Building Use : Residential
Building Code : IBC
Design Methodology : ASD

- Deflection criteria: LL (L/360) and TL (5/16").
- Bracing (Lu): All compression edges (top and bottom) must be braced at 10 6 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	Snow	Total	
1 - Trimmer - HF	3.00"	3.00"	1.50"	677	158	630	1465	None
2 - Trimmer - HF	3.00"	3.00"	1.50"	677	158	630	1465	None

Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Snow (1.15)	Comments
1 - Uniform (PSF)	0 0 0 to 10 6 0	1 0 0	12.0	30.0	-	Residential - Sleeping Areas
2 - Uniform (PSF)	0 0 0 to 10 6 0	2 0 0	15.0	-	60.0	Snow
3 - Uniform (PLF)	0 0 0 to 10 6 0	N/A	80.0	-	-	

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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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