FORTE®

MEMBER REPORT *Level, Wall: Header*

2 piece(s) 1 3/4" x 5 1/2" 2.0E Microllam® LVL

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 06/13/14

Overall Length: 8' 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)	421 @ 0	3806 (1.50")	Passed (11%)	--	1.0 D (All Spans)
Shear (lbs)	360 @ 7.00"	3292	Passed (11%)	0.90	1.0 D (All Spans)
Moment (Ft-lbs)	843 @ 4' 0.00"	3826	Passed (22%)	0.90	1.0 D (All Spans)
Live Load Defl. (in)	0.000 @ 0	0.267	Passed (2L/999+)	--	1.0 D (All Spans)
Total Load Defl. (in)	0.105 @ 4'	0.313	Passed (L/914)	--	1.0 D (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 8' 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	Total	
1 - Trimmer - HF	1.50"	1.50"	1.50"	421	421	None
2 - Trimmer - HF	1.50"	1.50"	1.50"	421	421	None

Loads	Location	Tributary Width	Dead (0.90)	Comments
1 - Uniform (PLF)	0 to 8' 0.00"	N/A	100.0	Gable Wall Load

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

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