FORTE

MEMBER REPORT *Level, Wall: Header*

4 piece(s) 1 3/4" x 18" 2.0E Microllam® LVL

PASS

CITY OF PORTLAND, MAINE — RESURGAM

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 04/12/16

Overall Length: 16' 6"

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)	13555 @ 1 1/2"	15225 (3.00")	Passed (89%)	--	1.0 D + 1.0 S (All Spans)
Shear (lbs)	10680 @ 1' 9"	27531	Passed (39%)	1.15	1.0 D + 1.0 S (All Spans)
Moment (Ft-lbs)	54234 @ 8' 3"	89132	Passed (61%)	1.15	1.0 D + 1.0 S (All Spans)
Live Load Defl. (in)	0.321 @ 8' 3"	0.542	Passed (L/608)	--	1.0 D + 1.0 S (All Spans)
Total Load Defl. (in)	0.428 @ 8' 3"	0.813	Passed (L/455)	--	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 (L/240).
- Bracing (Lu): All compression edges (top and bottom) must be braced at 12' 8 15/16" 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 - SPF	3.00"	3.00"	2.67"	3408	2145	10148	15701	None
2 - Trimmer - SPF	3.00"	3.00"	2.67"	3408	2145	10148	15701	None

Loads	Location	Tributary Width	Dead (0.90)	Floor Live (1.00)	Snow (1.15)	Comments
1 - Uniform (PSF)	0 to 16' 6"	6' 6"	10.0	40.0	-	2nd Floor -Floor Load
2 - Uniform (PLF)	0 to 16' 6"	N/A	80.0	-	-	2nd Floor Exterior Wall
3 - Uniform (PSF)	0 to 16' 6"	6' 6"	10.0	-	60.0	Addition Roof Load
4 - Uniform (PSF)	0 to 16' 6"	14'	12.0	-	60.0	Main Roof Load

Member Notes

Wall Header

Weyerhaeuser Notes

SUSTAINABLE FORESTRY INITIATIVE

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The product application, input design loads, dimensions and support information have been provided by JFS

Forte Software Operator	Job Notes
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