

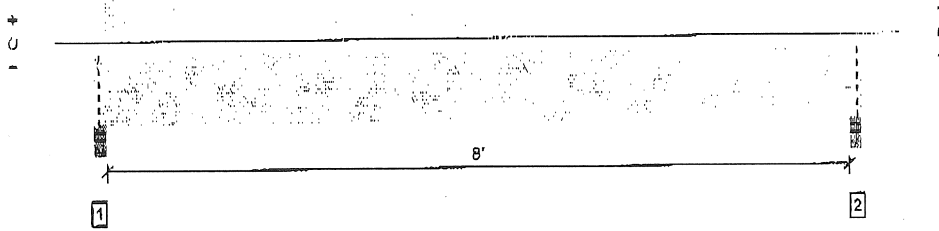


MEMBER REPORT Level, Roof; Drop Beam
 2 piece(s) 1 3/4" x 11 7/8" 1.9E Microllam® LVL

PASSED

93 Rth St
 Don McPherson
~~P 2013~~
 1082

Overall Length: 8' 7"



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)	5199 @ 2"	5206 (3.50")	Passed (100%)	--	1.0 D + 1.0 S (All Spans)
Shear (lbs)	3647 @ 1' 3 3/8"	9081	Passed (40%)	1.15	1.0 D + 1.0 S (All Spans)
Moment (Ft-lbs)	10307 @ 4' 3 1/2"	20525	Passed (50%)	1.15	1.0 D + 1.0 S (All Spans)
Live Load Defl. (In)	0.143 @ 4' 3 1/2"	0.275	Passed (L/694)	--	1.0 D + 1.0 S (All Spans)
Total Load Defl. (In)	0.166 @ 4' 3 1/2"	0.412	Passed (L/596)	--	1.0 D + 1.0 S (All Spans)

System : Roof
 Member Type : Drop Beam
 Building Use : Residential
 Building Code : IBC
 Design Methodology : ASD
 Member Pitch: 0/12

- Deflection criteria: LL (L/360) and TL (L/240).
- Bracing (Lu): All compression edges (top and bottom) must be braced at 8' 7" 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	Snow	Total	
1 - Stud wall - SPF	3.50"	3.50"	3.50"	736	4463	5199	Blocking
2 - Stud wall - SPF	3.50"	3.50"	3.50"	736	4463	5199	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)	Snow (1.15)	Comments
1 - Uniform (PSF)	0 to 8' 7"	16'	10.0	65.0	Roof

Member Notes

LULL RESIDENCE ROOF BEAM

Weyerhaeuser Notes

Weyerhaeuser warrants that the sizing of its products will be in accordance with Weyerhaeuser product design criteria and published design values. Weyerhaeuser expressly disclaims any other warranties related to the software. Refer to current Weyerhaeuser literature for installation details. (www.woodbywvy.com) Accessories (Rim Board, Blocking Panels and Squash Blocks) are not designed by this software. Use of this software is not intended to circumvent the need for a design professional as determined by the authority having jurisdiction. The designer of record, builder or framer is responsible to assure that this calculation is compatible with the overall project. Products manufactured at Weyerhaeuser facilities are third-party certified to sustainable forestry standards.

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



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MAY 28 2013

Dept. of Building Inspections
 City of Portland Maine

<p>Forte Software Operator Jeffrey Smith Hammond Lumber Co (207) 379-9829 jsmith@hammondlumber.com</p>	<p>Job Notes</p>
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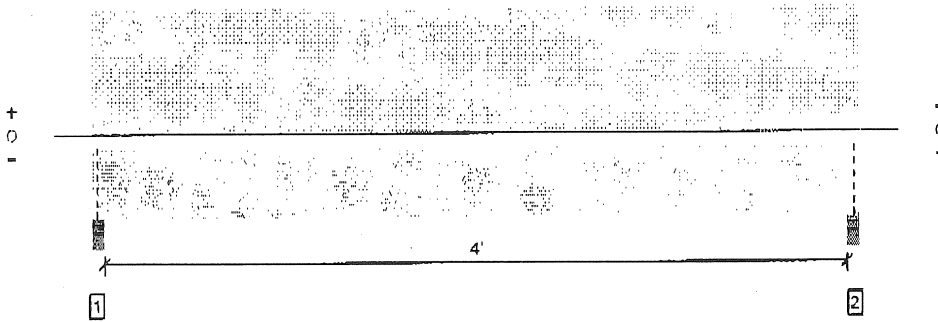


MEMBER REPORT Level, Roof: Drop Beam
2 piece(s) 1 3/4" x 9 1/4" 1.9E Microllam® LVL

PASSED

93 Pitt St
 Don McPherson
~~P-3013~~
 2012

Overall Length: 4' 7"



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)	2770 @ 2"	5206 (3.50")	Passed (53%)	--	1.0 D + 1.0 S (All Spans)
Shear (lbs)	1486 @ 1' 3/4"	7074	Passed (21%)	1.15	1.0 D + 1.0 S (All Spans)
Moment (Ft-lbs)	2730 @ 2' 3 1/2"	12884	Passed (21%)	1.15	1.0 D + 1.0 S (All Spans)
Live Load Defl. (in)	0.026 @ 2' 3 1/2"	0.142	Passed (L/999+)	--	1.0 D + 1.0 S (All Spans)
Total Load Defl. (in)	0.030 @ 2' 3 1/2"	0.213	Passed (L/999+)	--	1.0 D + 1.0 S (All Spans)

System : Roof
 Member Type : Drop Beam
 Building Use : Residential
 Building Code : IBC
 Design Methodology : ASD
 Member Pitch: 0/12

- Deflection Criteria: LL (L/360) and TL (L/240).
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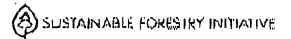
Supports	Bearing Length			Loads to Supports (lbs)			Accessories
	Total	Available	Required	Dead	Snow	Total	
1 - Stud wall - SPF	3.50"	3.50"	1.86"	387	2383	2770	Blocking
2 - Stud wall - SPF	3.50"	3.50"	1.86"	387	2383	2770	Blocking

• 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)	Snow (1.15)	Comments
1 - Uniform (PSF)	0 to 4' 7"	16'	10.0	65.0	Roof

Member Notes
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 City of Portland Maine

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