

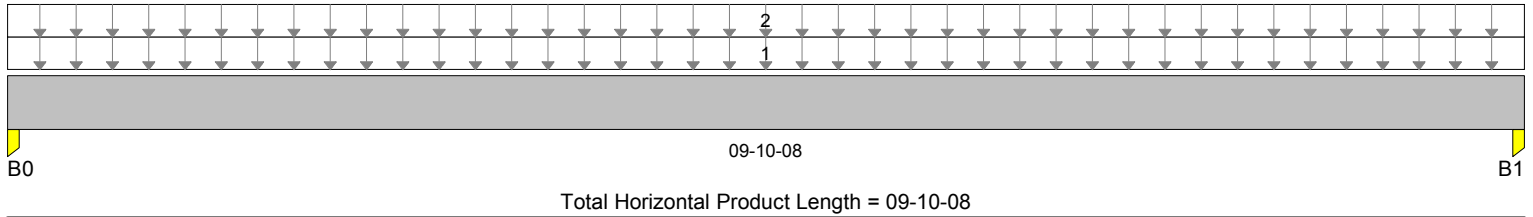
Dry | 1 span | No cantilevers | 0/12 slope
15-00-00 OCS

Sunday, March 10, 2013

BC CALC® Design Report - US

Build 1926
Job Name: Garage
Address: 760 Ocean AVE
City, State, Zip: Portland, ME 04102
Customer: Jacob Staub
Code reports: ESR-1040

File Name: Garage Headers
Description: Designs\FB01
Specifier: Jacob Staub
Designer: Jacob Staub
Company: Idea Werkz
Misc:



Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B0, 3-1/2"	2,962 / 0	1,161 / 0	2,962 / 0		
B1, 3-1/2"	2,963 / 0	1,161 / 0	2,963 / 0		

Load Summary

Tag	Description	Load Type	Ref.	Start	End	100%	90%	115%	0%	125%	OCS
1	Standard Load	Unf. Area (lb/ft ²)	L	00-00-00	09-10-08	40	15				15-00-00
2	Snow	Unf. Area (lb/ft ²)	L	00-00-00	09-10-08			40			15-00-00

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	12,582 ft-lbs	66.6%	115%	3	04-11-04
End Shear	4,209 lbs	48.9%	115%	3	01-02-12
Total Load Defl.	L/397 (0.284")	60.4%	n/a	3	04-11-04
Live Load Defl.	L/501 (0.226")	71.9%	n/a	6	04-11-04
Span / Depth	10	n/a	n/a	0	00-00-00

Disclosure

Completeness and accuracy of input must be verified by anyone who would rely on output as evidence of suitability for particular application. Output here based on building code-accepted design properties and analysis methods. Installation of BOISE engineered wood products must be in accordance with current Installation Guide and applicable building codes. To obtain Installation Guide or ask questions, please call (800)232-0788 before installation.

Bearing Supports

	Dim. (L x W)	Value	% Allow Support	% Allow Member	Material
B0 Post	3-1/2" x 3-1/2"	5,605 lbs	53.8%	61%	Douglas Fir
B1 Post	3-1/2" x 3-1/2"	5,605 lbs	53.8%	61%	Douglas Fir

Notes

Design meets Code minimum (L/240) Total load deflection criteria.
Design meets Code minimum (L/360) Live load deflection criteria.
Calculations assume member is fully laterally braced.
Design based on Dry Service Condition.

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