

Table 1: Header Schedule

HEADER	SPAN	TYPE	JACK STUDS	REFERENCE
A	9' 4 1/2"	3-1/2" X 11-1/4" Versa-Lam 1.7 2650DF	2	BC CALC Design Report
B	3' 1 1/2"	2-2x6	2	TABLE R502.5(1)
C	3' 4 1/2"	2-2x8	2	TABLE R502.5(1)

Header A BC CALC Design Report



Single 3-1/2" x 11-1/4" VERSA-LAM® 1.7 2650 DF Designs\FB01

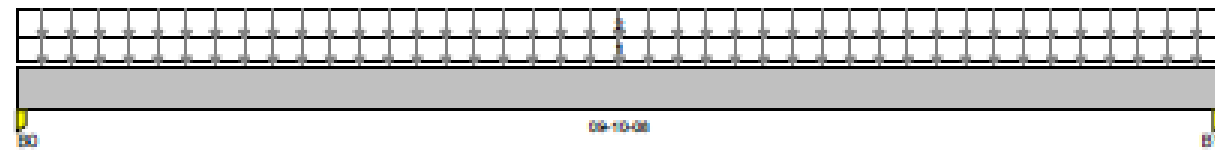
Dry | 1 span | No cantilevers | 0/12 slope  
15-00-00 OCS Sunday, March 10, 2013

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: EBR-1040

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



Total Horizontal Product Length = 09-10-08

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%	110%	8%	125%	OCS
1	Standard Load	Unf. Area (lb/ft²)	L	00-00-00	09-10-08	40	15				15-00-00
2	Snow	Unf. Area (lb/ft²)	L	00-00-00	09-10-08			40			15-00-00

Controls Summary

Value	% Allowable	Duration	Case	Location	
Pos. Moment	12,582 ft-lbs	88.6%	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.

BC CALC®, BC FRAMER®, AJS™, ALLJOIST®, BC RM BOARD™, BC®, BOISE GLULAM™, SIMPLE FRAMING SYSTEM®, VERSA-LAM®, VERSA-RIM PLUS®, VERSA-RIM®, VERSA-STRAND®, VERSA-STUD® are trademarks of Boise Cascade Wood Products L.L.C.

REVISIONS		REMARKS
MM/DD/YY	INITIAL DRAWINGS	
1	03/14/13	...
2	...	...
3	...	...
4	...	...
5	...	...

PROPOSED GARAGE  
760 OCEAN AVE

DETAILS  
HEADER