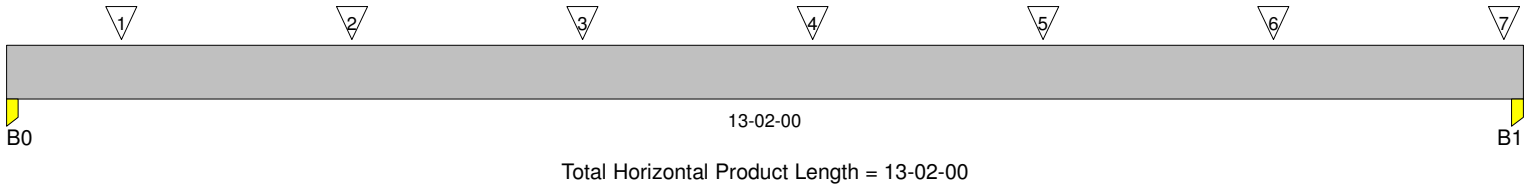


BC CALC® Design Report - US

Build 2565
 Job Name: Champagne Construction
 Address:
 City, State, Zip: ,
 Customer: 84 Lumber
 Code reports: ESR-1040

File Name: 84 PR - Jacob 10-4-13
 Description: Designs\FB01
 Specifier:
 Designer:
 Company:
 Misc:



Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B0, 5-1/2"	3,808 / 0	5,091 / 0			
B1, 5-1/2"	4,312 / 0	5,746 / 0			

Load Summary

Tag	Description	Load Type	Ref.	Start	End	100%	90%	115%	160%	125%	Trib.
1	Conc. Pt. (lbs)		L	01-00-00	01-00-00	1,160	1,508				n/a
2	Conc. Pt. (lbs)		L	03-00-00	03-00-00	1,160	1,508				n/a
3	Conc. Pt. (lbs)		L	05-00-00	05-00-00	1,160	1,508				n/a
4	Conc. Pt. (lbs)		L	07-00-00	07-00-00	1,160	1,508				n/a
5	Conc. Pt. (lbs)		L	09-00-00	09-00-00	1,160	1,508				n/a
6	Conc. Pt. (lbs)		L	11-00-00	11-00-00	1,160	1,508				n/a
7	Conc. Pt. (lbs)		L	13-00-00	13-00-00	1,160	1,508				n/a

Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	26,224 ft-lbs	60.2%	100%	1	06-11-14
End Shear	7,435 lbs	53.2%	100%	1	01-07-08
Total Load Defl.	L/499 (0.297")	48.1%	n/a	1	06-07-00
Live Load Defl.	L/1,167 (0.127")	30.9%	n/a	2	06-07-00
Max Defl.	0.297"	29.7%	n/a	1	06-07-00
Span / Depth	10.6	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	5-1/2" x 5-1/4"	8,899 lbs	n/a	41.1%	Unspecified
B1 Post	5-1/2" x 5-1/4"	10,058 lbs	n/a	46.4%	Unspecified

Notes

Design meets Code minimum (L/240) Total load deflection criteria.
 Design meets Code minimum (L/360) Live load deflection criteria.
 Design meets arbitrary (1") Maximum total load deflection criteria.
 Calculations assume Member is Fully Braced.
 Design based on Dry Service Condition.
 Deflections less than 1/8" were ignored in the results.

BC CALC®, BC FRAMER®, AJST™, ALLJOIST®, BC RIM BOARD™, BCI®, 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.

BC CALC® Design Report - US

Build 2565

Job Name: Champagne Construction

Address:

City, State, Zip: ,

Customer: 84 Lumber

Code reports: ESR-1040

File Name: 84 PR - Jacob 10-4-13

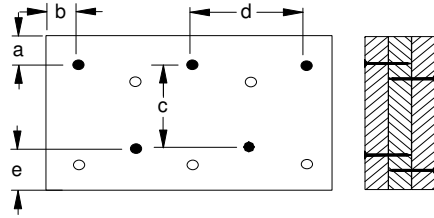
Description: Designs\FB01

Specifier:

Designer:

Company:

Misc:

Connection Diagram

a minimum = 2" c = 9"
b minimum = 3" d = 24"
e minimum = 3"

Connection design assumes point load is top-loaded. For connection design of side-loaded point loads, please consult a technical representative or professional of Record.

Nailing schedule applies to both sides of the member.

Member has no side loads.

Connectors are: 16d Sinker Nails

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.

BC CALC®, BC FRAMER®, AJS™, ALLJOIST®, BC RIM BOARD™, BCI®, 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.