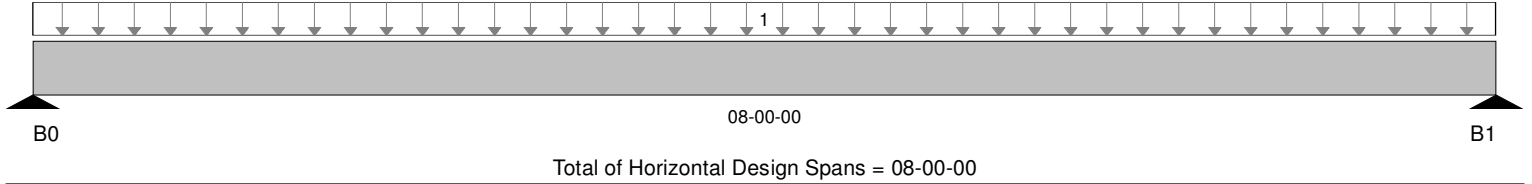


BC CALC® Design Report



Build 6536  
 Job Name: Nate  
 Address:  
 City, State, Zip: , ME  
 Customer: Eldredge Lumber  
 Code reports: ESR-1040

File Name: BC CALC Project  
 Description: Designs\FB01  
 Specifier:  
 Designer:  
 Company:  
 Misc:



### Reaction Summary (Down / Uplift) (lbs)

Bearing	Live	Dead	Snow	Wind	Roof Live
B0	2,080 / 0	559 / 0			
B1	2,080 / 0	559 / 0			

### Load Summary

Tag	Description	Load Type	Ref.	Start	End	100%	90%	115%	160%	125%	Trib.
1	Standard Load	Unf. Area (lb/ft <sup>2</sup> )	L	00-00-00	08-00-00	40	10				13-00-00

### Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	5,277 ft-lbs	37.8%	100%	1	04-00-00
End Shear	2,068 lbs	32.7%	100%	1	00-10-06
Total Load Defl.	L/999 (0.122")	n/a	n/a	1	04-00-00
Live Load Defl.	L/999 (0.096")	n/a	n/a	2	04-00-00
Max Defl.	0.122"	n/a	n/a	1	04-00-00
Span / Depth	10.1	n/a	n/a	0	00-00-00

### Disclosure

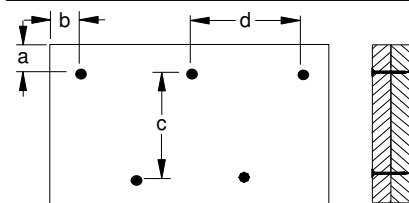
Completeness and accuracy of input must be verified by anyone who would rely on output as evidence of suitability for particular application. Output here based on building code-accepted design properties and analysis methods. Installation of Boise Cascade engineered wood products must be in accordance 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®, 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.

### Notes

- Entered/Displayed Horizontal Span Length(s) = Clear Span + 1/2 min. end bearing + 1/2 intermediate bearing
- Design meets Code minimum (L/240) Total load deflection criteria.
- Design meets Code minimum (L/360) Live load deflection criteria.
- Minimum bearing length for B0 is 1-1/2".
- Minimum bearing length for B1 is 1-1/2".
- Calculations assume member is fully braced.
- BC CALC® analysis is based on IBC 2009.
- Design based on Dry Service Condition.

### Connection Diagram



a minimum = 2"    c = 5-1/2"  
 b minimum = 3"    d = 24"

Member has no side loads.  
 Connectors are: 16d Sinker Nails