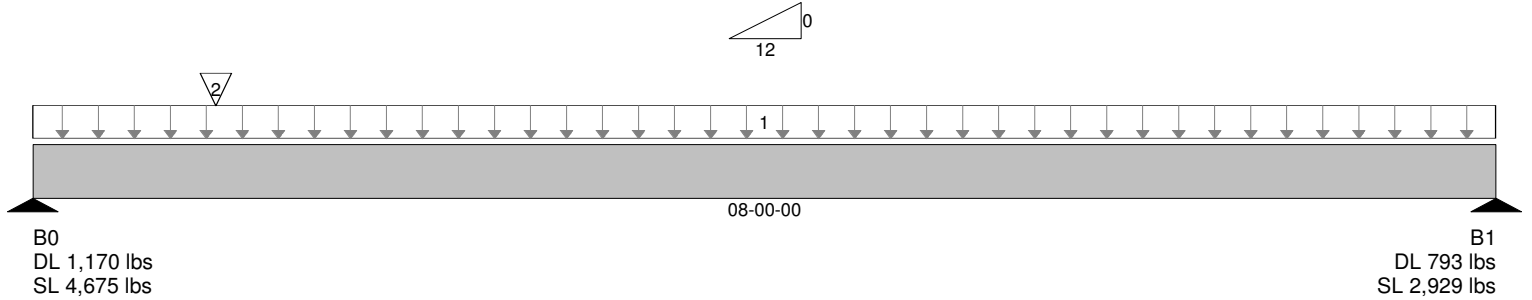


Job Name:
Address:
City, State, Zip: ,
Customer:
Code reports: ESR-1040

File Name: BC CALC Project
Description: Ridge beam on right side of chimney
Specifier:
Designer:
Company:
Misc:



Total of Horizontal Design Spans = 08-00-00

						Live	Dead	Snow	Wind	Roof Live	Trib. (in.)
Tag	Description	Load Type	Ref.	Start	End	100%	90%	115%	160%	125%	
1	Standard Load	Unf. Area (psf)	L	00-00-00	08-00-00		15	60			11-00-00
2	Reaction from Designs\RB01...	Conc. Pt. (lbs)	L	01-00-00	01-00-00		502	2,324			n/a

Controls Summary	Value	% Allowable	Duration	Case	Span
Pos. Moment	8,220 ft-lbs	22.4%	115%	3	1 - Internal
End Shear	4,771 lbs	35.0%	115%	3	1 - Left
Total Load Defl.	L/1,454 (0.066")	12.4%		3	1
Live Load Defl.	L/1,839 (0.052")	13.1%		3	1
Max Defl.	0.066"	6.6%		3	1
Span / Depth	8.1	n/a			1

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.

Cautions

For roof members with slope (1/4)/12 or less final design must ensure that ponding instability will not occur.
For roof members with slope (1/2)/12 or less final design must account for Rain-on-Snow surcharge load.

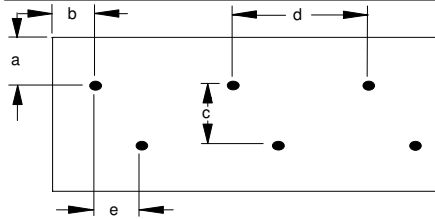
Notes

Design meets Code minimum (L/180) Total load deflection criteria.
Design meets Code minimum (L/240) Live load deflection criteria.
Design meets arbitrary (1") Maximum load deflection criteria.
Minimum bearing length for B0 is 1-1/2".
Minimum bearing length for B1 is 1-1/2".
Entered/Displayed Horizontal Span Length(s) = Clear Span + 1/2 min. end bearing + 1/2 intermediate bearing
Fastener Manufacturer: TrussLok (tm)

BC CALC®, BC FRAMER®, AJSTM, 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, L.L.C.

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Connection Diagram


a minimum = 2" c = 7-7/8"
 b minimum = 4" d = 24"
 e minimum = 1"

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.
 All TrussLok screws may be installed from one side of multiple ply VERSA-LAM beams.
 All TrussLok screws may be installed from one side of multiply Versa-Lam beams.
 Member has no side loads.
 Concentrated loads are not considered in side load analysis.
 Connectors are: FMTSL005

Disclosure

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