



**Double 2 x 6 SPF #2**  
**Transom Header (Roof Wall Header)**

**PASSED**

BC CALC® Member Report

Dry | 1 span | No cant.

January 30, 2025 10:23:15

Build 8931

Job name: Gaston II Plan

File name:

Address:

Description:

City, State, Zip:

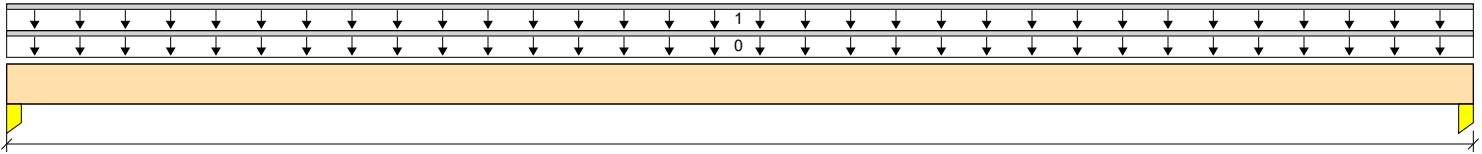
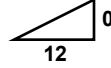
Specifier:

Customer: Weaver Homes

Designer: Ben Rickman

Code reports: NLGA

Company: Builders Firstsource



**B1** **B2**  
Total Horizontal Product Length = 04-06-00

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

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 3"		828 / 0	819 / 0		
B2, 3"		828 / 0	819 / 0		

**Load Summary**

Tag	Description	Load Type	Ref.	Start	End	Loc.	Live 100%	Dead 90%	Snow 115%	Wind 160%	Roof Live 125%	Tributary
0	Self-Weight	Unf. Lin. (lb/ft)	L	00-00-00	04-06-00	Top		4				00-00-00
1	A2 Roof Trusses	Unf. Lin. (lb/ft)	L	00-00-00	04-06-00	Top		364	364			n/a

**Controls Summary**

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1556 ft-lbs	94.4%	115%	4	02-03-00
End Shear	1128 lbs	66.1%	115%	4	00-08-08
Total Load Deflection	L/999 (0.082")	n/a	n/a	4	02-03-00
Live Load Deflection	L/999 (0.041")	n/a	n/a	5	02-03-00
Max Defl.	0.082"	n/a	n/a	4	02-03-00
Span / Depth	9.0				

**Bearing Supports**

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Column 3" x 3"	1647 lbs	25.2%	43.0%	Spruce-Pine-Fir
B2	Column 3" x 3"	1647 lbs	25.2%	43.0%	Spruce-Pine-Fir

**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 Total load deflection criteria.

Design based on Dry Service Condition.

The analysis of solid sawn wood members is in accordance with the NDS and is limited to the output shown above. All other support and design for these products, including but not limited to notching, connections, installation, and engineer/architect certification is the responsibility of the project's design professional of record.

BC CALC® analysis is based on IBC 2015.

Calculations assume member is fully braced.

**Disclosure**

Use of the Boise Cascade Software is subject to the terms of the End User License Agreement (EULA). Completeness and accuracy of input must be reviewed and verified by a qualified engineer or other appropriate expert to assure its adequacy, prior to anyone relying on such output as evidence of suitability for a particular application. The output here is 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.