

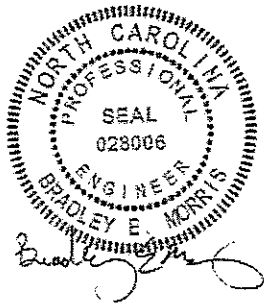
Longleaf Truss Co.

4476 NC 211

West End, NC

To whom it may concern,

I have been out and inspected the trusses for Nash Locklear Watson Job on Carolina Way. It is job P19-07024P. The truss that had a hole drilled for a wire does not require any repair. It is structurally sound. The three ply 2 X 10 girder under the house that was notched 3/8" is also fine. A three ply 2 x 8 runs with no problem. I have included the calc sheet for that. If you have any questions, please call me at 910-695-8344.



Sincerely,

Marty Shaw

A handwritten signature in black ink, appearing to read "Marty Shaw".

Truss Rep

# Triple 2 x 8 SP #2

**PASSED**

BC CALC® Member Report

Dry | 2 spans | No cant.

January 28, 2020 14:51:11

Build 7480

Job name:

File name:

Address:

Description:

City, State, Zip:

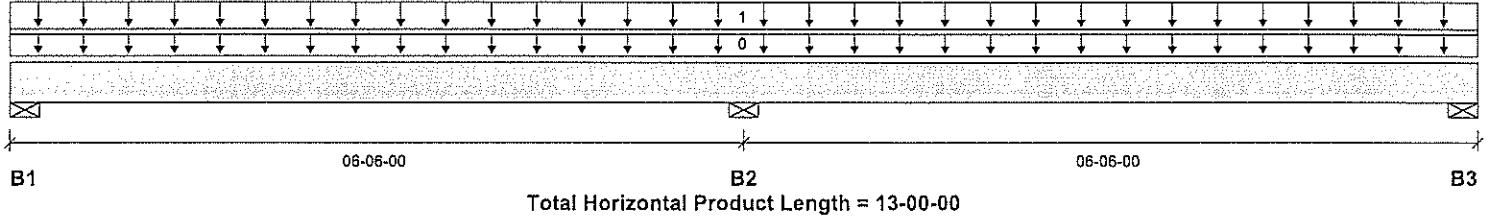
Specifier:

Customer:

Designer: Choua Vang

Code reports: SPIB

Company: Longleaf Truss Co



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

Bearing	Live	Dead	Snow	Wind	Roof Live
B1, 12"	1079 / 111	385 / 0			
B2, 12"	2225 / 0	886 / 0			
B3, 12"	1079 / 111	385 / 0			

### Load Summary

Tag	Description	Load Type	Ref.	Start	End	Loc.	100%	90%	115%	160%	Roof Live 125%	Tributary
0	Self-Weight	Unf. Lin. (lb/ft)	L	00-00-00	13-00-00	Top		7				00-00-00
1	Standard Load	Unf. Area (lb/ft <sup>2</sup> )	L	00-00-00	13-00-00	Top	40	15				08-00-00

### Controls Summary

	Value	% Allowable	Duration	Case	Location
Pos. Moment	1219 ft-lbs	40.1%	100%	2	03-03-03
Neg. Moment	-1731 ft-lbs	57.0%	100%	1	06-06-00
End Shear	746 lbs	19.6%	100%	2	01-07-04
Cont. Shear	1062 lbs	27.9%	100%	1	05-04-12
Total Load Deflection	L/999 (0.03")	n/a	n/a	2	03-06-00
Live Load Deflection	L/999 (0.024")	n/a	n/a	5	03-06-11
Total Neg. Defl.	L/999 (-0.007")	n/a	n/a	2	08-00-15
Max Defl.	0.03"	n/a	n/a	2	03-06-00
Span / Depth	9.2				

### Bearing Supports

	Dim. (LxW)	Value	% Allow Support	% Allow Member	Material
B1	Wall/Plate 12" x 4-1/2"	1464 lbs	4.8%	4.8%	Southern Pine
B2	Wall/Plate 12" x 4-1/2"	3111 lbs	10.2%	10.2%	Southern Pine
B3	Wall/Plate 12" x 4-1/2"	1464 lbs	4.8%	4.8%	Southern Pine

### Notes

Design meets Code minimum (L/240) Total load deflection criteria.

Design meets User specified (L/480) Live load deflection criteria.

Design meets arbitrary (1") Maximum Total load deflection criteria.

Calculations assume member is fully braced.

BC CALC® analysis is based on IBC 2012.

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.

### 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.

BC CALC®, BC FRAMER®, AJS™, ALLJOIST®, BC RIM BOARD™, BCI®, BOISE GLULAM™, BC FloorValue®, VERSA-LAM®, VERSA-RIM PLUS®,