

ADDRESS . . : 6615 RAWLS CHURCH RD
CONTRACTOR :
OWNER . . : MATTHEWS DANIEL WESLEY & SARAH
PARCEL . . : 08-0644- - -0078- -02-
APPL NUMBER: 18-50043030 CP ADD & ALTER RESIDENTIAL
DIRECTIONS : T/S: 01/05/2018 02:03 PM JBROCK ----
6615 RAWLS CHURCH RD

STRUCTURE: 000 000 14.8X31.6 FINISH BONUS ROOM W/BATHROOM
FLOOD ZONE : FLOOD ZONE X
BATHS : 3 SEPTIC - EXISTING? : NA
WATER SUPPLY : UNKNOWN

PERMIT: CIPR 00 CP INSULATION RESIDENTIAL

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
I129 01	2/08/18 <u>11</u>	TI <u>AP</u>	R*INSULATION INSPECTION VRU #: 003086476

COMMENTS AND NOTES

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3 February 2018

To: To Whom It May Concern
Cc: Wes Matthews

Re: 6615 Rawls Church Road Fuquay-Varina, N.C.
Permit# Jampe Job Number 1802-12

The following design and recommendation is based on the latest edition of the North Carolina State Building Code and any local codes that may be in effect at the time of this letter.

Live Loads: Roof/Limited Storage- 20 psf Upper Floors- 40 psf Main floors- 40 psf
Dead loads as applicable. Allowable Soil Pressure- 2000psf Wind load- 27 psf.
Allowable Stress: #2 SPF- 875 psi #2 SYP- 1050 psi LVL- 2900 psi

Homeowner has requested verification of the following issues:

Dormer (9'-2" +/-) added at the above home

(2) 2 x 10 trimmer rafters x 16 feet to bearing at plate to full bearing at ridge

load to roof header $7(20+15) = 245$ plf $(8'-6")^2/8 = 2212(12)(4.625) / 230 = 533$ psi < 2600 psi
(2) 9 1/4 LVL are adequate for rafter support

$245(8'-6"/2) = 1060(7)(9) / 16 = 4177(12)(4.625) / 2(98.91) = 1171$ psi

OK with provided knee walls

OK, NO Action Required

Respectfully,

John A. McRae
NCPE 20081

Questions or Comments John A McRae
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