

John Alexander McRae, P.E., Inc. (NC C-2298)
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04 NOVEMBER 2024

To: Whom It May Concern CC: ARROYO

Re: DECK FOOTINGS LOT#81 WOODGROVE; 92 PECAN GROVE LN FUQUAY-VARINA
Permit # BRES2409-0049 JAMPE Job Number 2411-03

The following design and recommendation is based on the latest edition of the North Carolina Residential 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

Builder has requested verification of the following issues:

Builder has requested verification of the following Deck Footings Construction as Based on **On-Site Review** at 1330 hours on 04 NOVEMBER 2024 and **DCA6 and 2018 NCRC / 2018 IRC Chapter 4 R401.2 (Requirements), R401.4 (Soils Test), R402.1 (Wood Foundations)** as HARNETT COUNTY approved plans and as Engineer of Record. *JAM*

Clays and Clay Sands, with less than 10% Expansive Soils across site. Soils Bearing of 2000 pounds per square foot all areas at base of Deck footings. DECK FOOTING are level and clear of debris. Deck Footings excavated to Minimum 16x16x6 Per Plan Details.
LAYOUT TO HARNETT COUNTY APPROVED PLANS

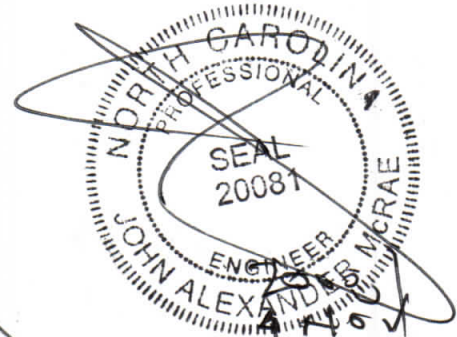
Deck Footings Meet Requirements Noted in DCA6 Deck Construction Manual, 2018 NCRC/IRC Soils and Foundation Code Requirements, and My Recommendations On-Site.
Okay to Pour Concrete

Respectfully,

John A. McRae

NCPE 20081 (NC C-2298)

Questions or Comments John A McRae jampe86@gmail.com
Design and Soils Evaluation is to 2018 North Carolina Residential Code



HARNETT COUNTY

DESIGN PROFESSIONAL INSPECTION FORM

RECORD OF THE INSPECTION OF A COMPONENT OR ELEMENT BY A NC LICENSED ARCHITECT OR ENGINEER

Project Information:

Contractor Name: ARROYO
Permit No# BRES2409-0049
Project Lot # and Subdivision: LOT#81 WOODGROVE
Project Address: 92 PECAN GROVE LN FUQUAY-VARINA
Date Inspected: : 1330 04 NOVEMBER 2024 <i>JAM</i>
Approval Date on Plans: 10/17/2024
Component Inspected: FOOTING

Footing, Mono-Slab, Foundation, or Slab
 Responsible Licensed NC Architect or NC Engineer

Name:	JOHN ALEXANDER MCRAE	
Firm Name:	JAMPE, INC	
Phone Numbers:	Office: 919-552-1738	Mobile: 919-210-5749
Email Address:	Jampe86@gmail.com	
Mailing Address:	PO BOX 1466, APEX, NC 27502	

APPLICABLE CODE: _2018 NCRC = 2018 NC Residential Code

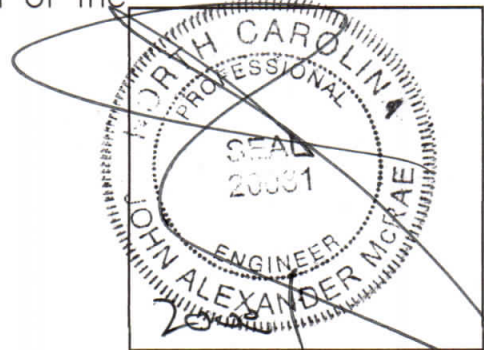
Attestation/Signature:

By signing below, I certify that the component and/or element of the building as identified on this form has been inspected by me or someone under my direct supervision per subsection (b2) of NC G.S. 160D-11-6 and is in compliance with the approved plans & specifications for the project. This inspection is in compliance with all of the requirements of the above referenced code.

Attach any additional documents if needed.

Licensed Architect or Engineer:

[Handwritten Signature]



Inspection Department disclaimer:

Upon the receipt of a signed written document as required under subsection (a) of Article 160D-11-1, Code Enforcement shall be discharged and released from any liabilities, duties and responsibilities imposed by this article or in common law from any claim arising out of or attributed to the component or element in the construction of the building for which the signed written document was submitted. Be aware that this inspection will be noted in all inspection records including the Certificate of Occupancy or Certificate of Compliance. This inspection does not address any local ordinances or zoning requirements. XXXX/2019 2022

4 NOV 2024