

John Alexander McRae, P.E., Inc. (NC C-2298)  
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(919) 210-5749 [jampe@nc.rr.com](mailto:jampe@nc.rr.com)

25 January 2024

To: Whom It May Concern

CC: Ron Sherpinkas

Re: Pier and Post Foundation 274 VALERIE LN., LINDEN

Permit # SFD 2310-0035

JAMPE Job Number 2401-29

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: 800f/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 footing and pile and Post Construction as Based on On-Site Review on 01/25/2024 at 1300 hours and **2018 NCRC Chapter 4 R401.2 (Requirements), R401.4 (Soils Test), R402.1 (Wood Foundations)** and HARNETT COUNTY approved plans

As Engineer of Record Pier Size and Depth, Minimum 8" Concrete Depth and Post Embedment with ABS Stone Backfill is Adequate Soft Sandy Soil Conditions and Additional Stone is Stone NOT Required before pouring concrete

**Okay, No Further Action Required**

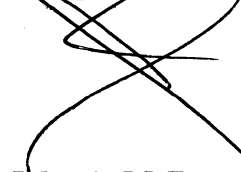
Footing Post/pile including Deck Footings excavated to minimum Size and Depth per Plan Detail; Norfolk sand, clays, loamy sands at base across site. Footings Post/pile including Deck Footing are level and clear of debris.

01/25/2024 – Footing post/pile layout to Approved Construction plans. Soils bearing and footing preparations meet or exceed my recommendations ON site as 3<sup>rd</sup> Party Engineer based on HARNETT COUNTY approved plans Footing and soils bearing meet requirements of Chapter 4 R401.1 (Soils Testing) and R403.1 (Footings) of the North Carolina Residential Code.



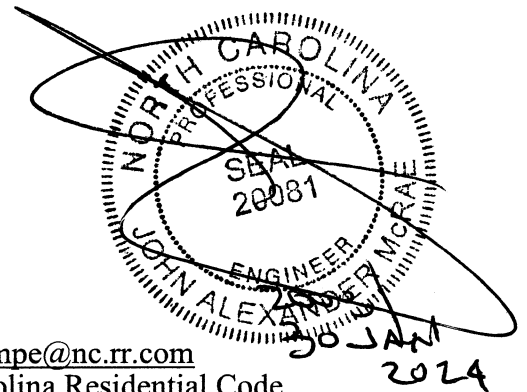
THE USE OF ABS  
ABC (CRUSH AND RUN)  
OR # 5 STONE AS A  
BACKFILL MATERIAL IS  
NECESSARY TO PROVIDE  
ADDITIONAL PILE FRICTION  
AS WELL AS STABILIZING  
AGAINST ROLLING

Respectfully,



John A. McRae  
NCPE 20081 (NC C-2298)

Questions or Comments John A McRae [jampe@nc.rr.com](mailto:jampe@nc.rr.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: <b>Ron Sherpinkas</b>
Permit No# SFD 2310-0035
Project Lot # and Subdivision: New Pier and Post Foundation
Project Address: 274 VALERIE LN., LINDEN
Date Inspected: : 1300 25 JANUARY 2024
Approval Date on Plans:
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:	jampe@nc.rr.com
Mailing Address:	PO BOX 1466, APEX, NC 27502

**APPLICABLE CODE:** 2018 NCRC = 2018 NC Residential Code

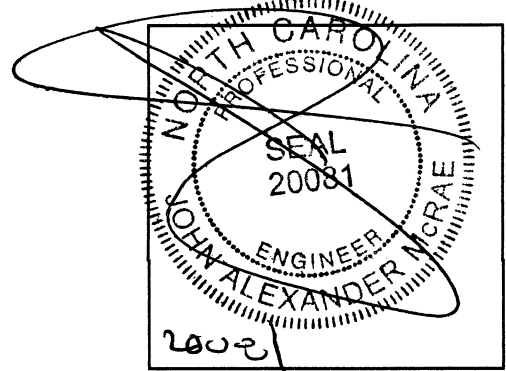
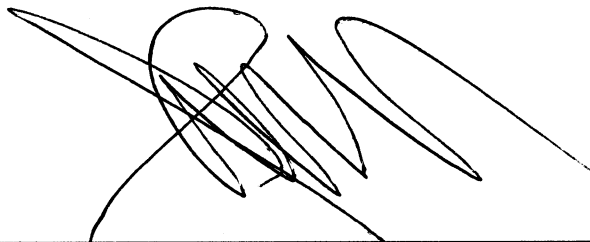
2018 NCRC = 2018 NC Residential Code \*FOOTING (subgrade form/letter may also be required)

### 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:



### 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

30 JAN 2024