

John Alexander McRae, P.E., Inc. (NC C-2298)  
218 Coley Farms Road Fuquay-Varina NC  
P O Box 1466 Apex, North Carolina, 27502  
(919) 210-5749 [jampe@nc.rr.com](mailto:jampe@nc.rr.com)

16 JANUARY 2023

To: Whom It May Concern  
CC: Clint Adams Excavation

Re: Addition 445 OLD MILL RD., FUQUAY VARINA  
Permit # BRES2211-0046 JAMPE Job Number 2301-12  
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 soils compaction and footing issues based on On-Site review and prior to concrete pour at 1200 hours 16 JANUARY 2023. Design is to North Carolina Residential Code 2018 (IRC 2015) Chapter 4 R401.4 (Soils Testing) and R403.1 (Footings) based on HARNETT COUNTY approved plan as Third-Party Soils Engineer

Footing excavated at 20-inch minimum width. Native Clays, Sandy Clays and Silty Clays with less than 20 percent expansive soils throughout. Contractor has properly Embedded and Installed (3) #4 Reinforcing Bars Dowels at Existing Wall Footing; Dowels are Secured to (3) #4 Reinforcing Bars Bridging the Undisturbed Fill, Bars are properly lapped, tied, and supported. Based on On-Site Recommendation Builder Has Back Filled with 57/67 Stone to Grade and Properly Installed #4 Reinforcing Bars at Removed Stump Holes. Footings and piers are level and clear of debris. Soils Bearing of 2000 pounds per square foot all areas at base of wall and pier footings.

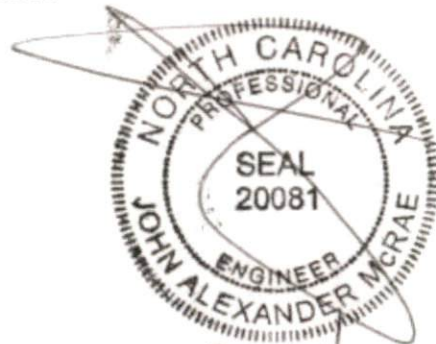
01/16/2023 – Footing preparation wall and pier layout to Approved Construction plans. Soils bearing and footing preparations meet or exceed my recommendations ON site as 3<sup>rd</sup> Party Engineer based on HARNETT COUNTY approved plans Footing and soils bearing exceed requirements of Chapter 4 R401.1 (Soils Testing) and R403.1 (Footings) of the North Carolina Residential Code. Contractor has properly Embedded and Installed (3) #4 Reinforcing Bars Dowels at Existing Wall Footing; Dowels are Secured to (3) #4 Reinforcing Bars Bridging the Undisturbed Fill, Bars are properly lapped, tied, and supported. Based on On-Site Recommendation Builder Has Back Filled with 57/67 Stone to Grade and Properly Installed #4 Reinforcing Bars at Removed Stump Holes.

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



2009  
18 JAN  
2023

# HARNETT COUNTY

## DESIGN PROFESSIONAL INSPECTION FORM

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

### Project Information:

Residential Single-Family Project: <b>Y</b> <b>N</b>	Commercial Project: <b>Y</b> <b>N</b>
Code Enforcement Project No:	Permit No: BRES2211-0046
Project Name: Addition	Owner: WIMBERLY ASHLEY R
Project Address: 445 OLD MILL RD., FUQUAY VARINA	Suite No:
Date Inspected: 1200 16 JANUARY 2022	Contractor Name: Southern Touch Homes, LLC
Component Inspected: Soils, Footings, Reinforcement	

### Responsible Licensed NC Architect or NC Engineer

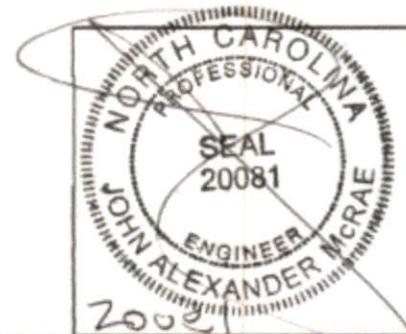
Name:	John Alexander McRae	
Firm Name:	JAMPE, INC.	
Phone Numbers:	Office: 919-552-1738 5749	Mobile: 919-210-
Email Address:	jampe@nc.rr.com	
Mailing Address:	PO BOX 1466, APEX, NC 27502	

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

Describe Element/Component/Type of Inspection: \*(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 (a2) of NC GS § 160D-1106 and is in compliance with the Code or other proposal of the architect or engineer 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



18 JAN 2023

### Inspection Department disclaimer:

Upon the receipt of a signed written document as required under subsection (b) of Article 160D-1106, 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.