

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: Y N	Commercial Project: Y N
Code Enforcement Project No:	Permit No: SFD2005-0006
Project Name: Residential Building	Owner: Jeremy Hammons
Project Address: 79 Vanstore Drive, Fuquay-Varina, NC 27526	Suite No: N/A
Date Inspected: February 28, 2025	Contractor Name: Robledo's Concrete
Component Inspected: Footing	

Responsible Licensed NC Architect or NC Engineer

Name:	Pat Shillington
Firm Name:	E2S
Phone Numbers:	Office: 919-781-7798 Mobile: 919-539-8582
Email Address:	e2s@bellsouth.net
Mailing Address:	3008 Anderson Dr., Suite 102, Raleigh, NC 27609

APPLICABLE CODE: 2018 NCRC

2018 NCBC = 2018 NC Building Code; 2018 NCRC = 2018 NC Residential Code

Describe Element/Component/Type of Inspection: *

Footing bearing capacity, excavation observations, and rebar installation

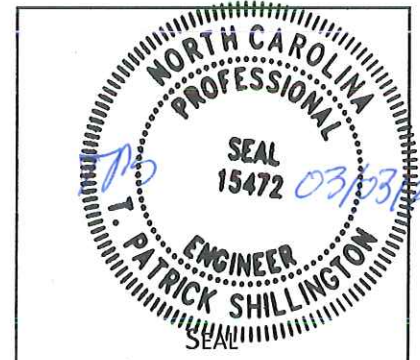
*(subgrade form/letter may also be required)

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. 153A-352 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 160A-413.5., 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.



ENGINEERING & ENVIRONMENTAL SCIENCE COMPANY

3008 ANDERSON DRIVE, SUITE 102

RALEIGH, NC 27609

(919) 781-7798

March 3, 2025

Mr. Jeremy Hammons
79 Vanstore Drive
Fuquay-Varina, NC 27526

RE: Footing Observations
Residential Building
79 Vanstore Drive
Fuquay-Varina, NC 27526

Dear Mr. Hammons:

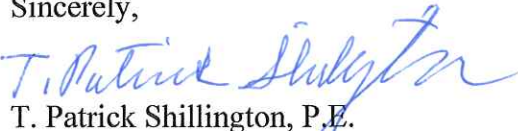
On February 28, 2025, a Professional Engineer observed the foundation sub-grade support conditions for the residential building at the above referenced site. Per the plans by Residential Structures, PC dated October 24, 2024, footings are designed for a bearing contact pressure of 2000 pound per square foot (PSF). Rebar is required in the footings.

At time of the site visit, the building foundation had been excavated and undisturbed soil was exposed. The exposed soil consisted of a brown, reddish-brown and gray silty CLAY (CL). Based on the site observations and penetrometer testing, this soil has at least 2000 PSF bearing capacity. The plan dimension and depth of the excavation, and the rebar installed in the footings were per the plans by Residential Structures, PC.

Based on my observations, the foundation installation meets the 2018 NC Building Code requirements and the plans by Residential Structures, PC. The footing excavation conditions are acceptable to receive concrete.

We appreciate serving you on this project. Please contact us if you have any questions or concerns.

Sincerely,


T. Patrick Shillington, P.E.
President

