

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: SFD2401-0032
Project Name: Residential Building and Garage	Owner:
Project Address: 1621 Matthews Mill Pond Road, Angier, NC	Suite No: N/A
Date Inspected: 06/12/24	Contractor Name: Mabus Farm and General Contracting
Component Inspected: floor slab preparation	

Responsible Licensed NC Architect or NC Engineer

Name:	T. Patrick 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: *

Floor slab preparation and interior footing observations.

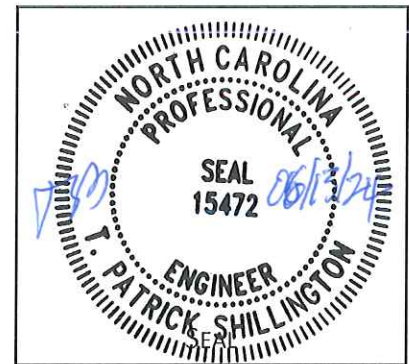
*(subgrade form/letter may also be required)

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.

T. Patrick Shillington

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

June 12, 2024

Mr. Jon Woosley
Mabus Farm and General Contracting

RE: Floor Slab Preparation Observations
Residential Building and Garage
1621 Matthews Mill Pond Road
Angier, NC

Dear Mr. Woosley:

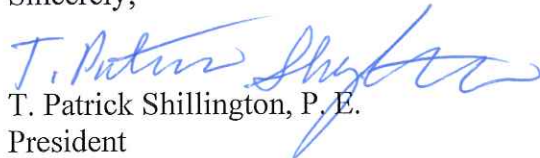
On June 12, 2024, a Professional Engineer observed the floor slab sub-grade preparation for the concrete floor at the above reference site. No rebar was required for the floor slab and thickened slab areas.

The floor area was covered with at least 4 inches of No. 57 stone overlain by plastic sheeting. Several continuous footings and one (1) column footing were constructed by thickening the floor slab to 12 inches. Fill was present beneath floor slab and interior footings. Density testing of this fill was conducted on June 5, 2024, and the results provided in our report dated June 6, 2024. All tests indicated degrees of compaction over 95% of Standard Proctor Maximum Dry Density (ASTM D-698). The fill has a bearing capacity of at least 2000 psf.

Based on the observations, the floor slab preparation meets the 2018 Building Residential Code requirements. The floor slab 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

