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: Yes	Commercial Project: No
Code Enforcement Project No: -------	Permit No: SFD2505-0036
Project Name: Harrington Place Lot 59	Owner: Smith Douglas Homes
Project Address: 158 Mildred Place, Broadway, NC	Suite No:
Date Inspected: 5/19/25	Contractor Name: Smith Douglas Homes
Component Inspected: Footing, slab	

Responsible Licensed NC Architect or NC Engineer

Name:	Alex Mueller, PE
Firm Name:	TM Engineering, Inc.
Phone Numbers:	Office: 919-468-2545 Mobile:
Email Address:	alexm@tmengineering.org
Mailing Address:	103 Hiawatha Ct, Cary NC 27513

APPLICABLE CODE: 2018 NCRC: Sections R403.1.1, R403.1.4, R403.1.5

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

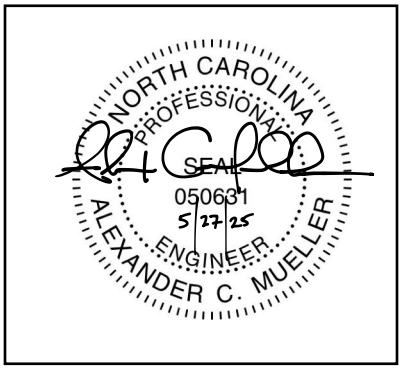
Describe Element/Component/Type of Inspection: *

3rd party inspection of layout and dimensions per town approved onsite plans per applicable 2018 NCRC. See attached TME letter for primary and specific language and details regarding TME services.

*(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 G.S. 160D-11-6 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.



Alexander C. Mueller 5/27/25

Licensed Architect or Engineer Date

Inspection Department disclaimer:

Upon the receipt of a signed written document as required by G.S. 160D-11-6, 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.

TME Project #: 251089F

Report of Foundation Bearing Conditions

Project: Harrington Place Lot 59
Location: Broadway
Client: Smith Douglas
Date: May 19,2025

TM Engineering, Inc. has inspected foundation bearing conditions for the above referenced construction. Our evaluation consisted of visually evaluating the exposed subgrades and by probing with a 1/2 inch steel rod. Dynamic cone penetrometer techniques were used to correlate surface soil conditions to bearing capacity. Foundations were excavated up to 1.50 ft below site grade. Results indicate the exposed soils to have penetration resistance which will provide the specified minimum 2,000 PSF of bearing capacity. It should be noted that minor cracking commonly occurs in construction for various reasons including but not limited to, temperature fluctuations relative to expansion and contraction of materials, concrete shrinkage, changes in moisture content, improper construction, and normal settlement. No warranty is implied for such items by this letter. Additionally, exposure of the soil subgrades to inclimate weather may compromise conditions requiring repairs and reinspection. No performance guarantee shall be assumed. In all cases the contractor is solely responsible for the direction and quality of the work, adherence to the plans and specifications and scheduling testing services. Only the client or its designated representatives with written consent may use this document.

TME notes include:
- 3rd party inspection of layout and dimensions noted to be consistent with onsite plans
- Vapor barrier and insulation present
- Design Professional Inspection form attached referencing 2018 NCRC sections R403.1.1, R403.1.4 & R403.1.5

NORTH CAROLINA PROFESSIONAL SEAL 050631 ENGINEER ALEXANDER C. MUELLER 5/27/25

Sincerely,

TM Engineering, Inc.(C3201)