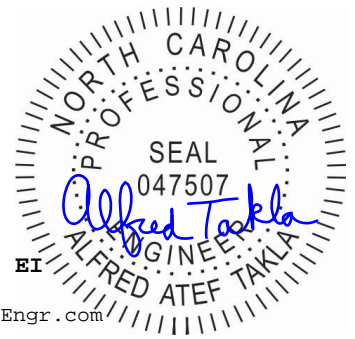


Takla Engineering, PLLC

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Project:	Serenity Lot 312		
Address:	217 Inspiration Way		
City:	Fuquay-Varina, NC	Care Of:	Will Dodge
Subject:	Footing and 3rd Party Inspection	Company:	ICG Homes
		Job Number:	1-3874-25
		Page Number:	1 of 1

As requested, engineer(s) from Takla Engineering visited the above referenced site on June 11th, 2025 to evaluate the bearing capacity of the sub-grade soils supporting:

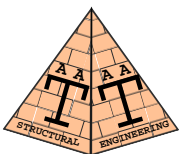
- ☒ Foundation wall and/or interior pier footings including attached garage
- ☐ Turndown monoslab on grade and interior lug footings including attached garage
- ☒ Front porch foundation wall footings
- ☒ Rear porch post footings
- ☐ Detached garage turndown footings

*Patio slabs with no thickened or lug footings are outside the scope of our inspection.

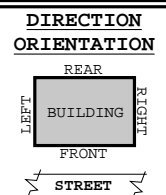
Observations of lot topography, vegetation, and soil characteristics were made to characterize the site. In-situ subgrade soil bearing capacity was evaluated by means of probing excavation bottoms with a 1/2" diameter steel probe rod and/or a static cone penetrometer (SCPT) with a 60 degree cone assembly, friction sleeve, and pressure gauge readings correlating with blow counts from a Dynamic Cone Penetrometer (DCP). The evaluations indicate the average bearing capacity of the soils directly supporting the above referenced elements meet or exceed the minimum 2000 pounds per square foot as referenced by NCRC 2018, Chapter 4 and engineered specifications. It is important to note that this evaluation did not include mechanical soil borings, standard Proctor tests, or density testing. Additionally, this assessment does not address site drainage, which is crucial for maintaining long-term bearing capacity. Drainage design and implementation are outside the scope of this evaluation.

We also performed a 3rd party monoslab inspection in-lieu of municipal inspector using the plan provided by the builder and approved by municipal building inspections department. Based on our inspection, we verify the following:

- Depth and size of footings mentioned above meets or exceeds per plan specifications and code requirements.
- Locations of all footing excavations are found to be per plans.
- Footings are prepared in compliance with NCRC 2018 Chapter 4 (Sections R401-R404).
- All conditions are acceptable to receive concrete.



Limitations of Inspection and Liability: Engineering services in this report follow standard structural engineering practice and the North Carolina Residential Code (2018 Edition). Conclusions and recommendations are based solely on site conditions observed at the time of evaluation and are limited by the agreed scope, schedule, and budget. This report excludes any responsibility for construction sequencing, shoring, or means and methods. Evaluations are limited to visible and accessible elements; no destructive testing or inspection of concealed components was performed. No guarantees or warranties, express or implied, are provided in connection with these services. Takla Engineering relies on the accuracy of information provided by others and assumes no liability for conclusions based on incomplete, inaccurate, or misleading input. Reasonable efforts were made to ensure accuracy. However, the potential for human error and the limitations of non-invasive inspection must be acknowledged. Takla Engineering's maximum liability—whether from contract, tort, or otherwise—is limited to the total fees paid for services under this agreement, barring gross negligence. By accepting, referencing, or using this report, the recipient agrees to all terms, limitations, and conditions set forth herein, barring gross negligence by Takla Engineering.



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: <u>Y</u> N	Commercial Project: Y <u>N</u>
Code Enforcement Project No:	Permit No: SFD2504-0123
Project Name: Serenity Lot 312	Owner:
Project Address: 217 Inspiration Way	Suite No:
Date Inspected: 6-11-2025	Contractor Name: ICG Homes
Component Inspected: Slab	(Will Dodge)

Responsible Licensed NC Architect or NC Engineer

Name:	Alfred Takla, PE
Firm Name:	Takla Engineering, PLLC
Phone Numbers:	Office: 919-258-2648 Mobile: 919-332-7903
Email Address:	alfredtakla@taklaengr.com
Mailing Address:	PO Box 71298 Durham, NC 27722

APPLICABLE CODE: NCRC 2018

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

Describe Element/Component/Type of Inspection: *

House Crawl Space Subgrade and 3rd Party Inspection
(With Front and Rear Porch and Attached Garage)

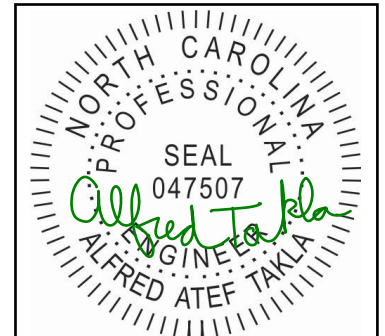
*(subgrade form/letter may also be required)

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.

Alfred Takla

Licensed Architect or Engineer



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.