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	Commercial Project: N
Code Enforcement Project No:	Permit No: SFD20070012
Project Name:	Owner:
Project Address: Lot 79 Quail Glen - 76 Bellini Drive (Angier, NC)	Suite No:
Date Inspected: 10/23/2020	Contractor Name: Ryan Homes
Component Inspected: Mono-Slab	

Responsible Licensed NC Architect or NC Engineer

Name:	Reviewing Engineer: Taylor Dowell, P.E.
Firm Name:	JDSfaulkner, PLLC (P-0961)
Phone Numbers:	Office: 919.480.1075 Mobile:
Email Address:	field@jdsfaulkner.com
Mailing Address:	8600 'D' Jersey Ct. Raleigh, NC 27617

APPLICABLE CODE: 2018 NCRC

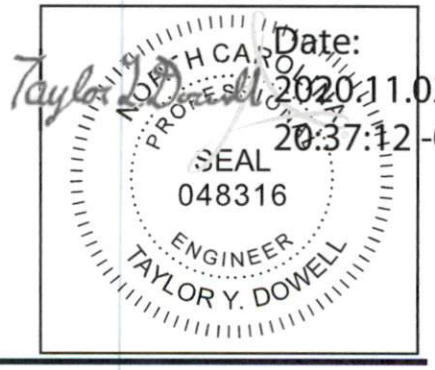
2018 NCBC = 2018 NC Building Code; 2018 NCRC = 2018 NC Residential Code

Describe Element/Component: * 3rd Party Monolithic Slab Inspection

*(subgrade form 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.



Date: 2020.11.02 20:37:12 -05'00'

Reviewing Engineer: Taylor Dowell, P.E.

Licensed Architect or Engineer Date

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.

JDSfaulkner
engineering + design + consulting

Date: **10/27/2020**

To: **Ben Grazen**
Ryan Homes
1401 Sunday Drive
Raleigh, NC 27607
bgrazen@nvrinc.com
919-909-2100

Re: Monolithic Slab Preparation Inspection
Location: Lot 79 Quail Glen
(76 Bellini Drive, Angier, NC)
JDSfaulkner Project No.: RDU2010401
Municipality: Town of Angier
Date of Plans Approval Stamp: 09/09/2020
Date of Inspection: 10/23/2020

Observations:
A representative of JDSfaulkner arrived on site to inspect the monolithic slab foundation as requested by the client.

- Perimeter footings are sized (width, depth, and length) and installed per plan.
- Thickened slabs are sized (width, depth, and length) and located per plan.
- Slab thickness meets the minimum requirements.
- Vapor barrier has been properly installed.
- Lug/point load footings are sized (width, depth, and length) and located per plan.
- Perimeter insulation has been installed.
- Footings are clean and free of organic material and excessive moisture.
- Soil bearing capacity was tested and approved by JDSfaulkner.

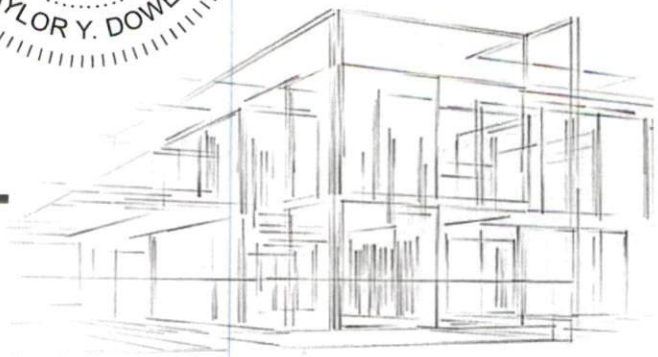
Recommendations:
Based on our observation and review, the monolithic slab has been adequately prepared in accordance with the approved permit plans and details. Additionally, the footings are installed in accordance with 2018 NCRC, sections R403.1 and R506, and are ready for concrete placement.

If you have any questions or if I can be of further assistance to you on this project, please contact me at 919-218-4421.

Respectfully Submitted,
Samantha Grygoruk
JDSfaulkner

NORTH CAROLINA PROFESSIONAL SEAL 048316 ENGINEER TAYLOR Y. DOWELL

Taylor Dowell
Date: 2020.10.29 15:36:50 -04'00'



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(919) 480-1075 | info@JDSfaulkner.com | NC Firm P-0961

JDSfaulkner.com

JDSfaulkner
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Date: **10/27/2002**

To: **Ben Grazen**
Ryan Homes
1401 Sunday Drive
Raleigh, NC 27607
bgrazen@nvrinc.com
919-909-2100

Re: **Soil Suitability for Foundation Installation**
Location: Lot 79 Quail Glen
(76 Bellini Drive, Angier, NC)
JDSfaulkner Project No.: RDU2010400
Date of Inspection: 10/23/2020
Foundation Type: Monolithic Slab

Observations:
Foundation excavation observation (sub-surface testing with respect to bearing capacity).

Recommendations:
The exposed soils have been observed and tested for adequate bearing capacity (Probe and DCP). Based on our testing and review, the soil and conditions for the foundation are suitable for the minimum required bearing pressure of 2000 psf.

If you have any questions or if I can be of further assistance to you on this project, please contact me at 919-218-4421.

Respectfully Submitted,
Samantha Grygoruk
JDSfaulkner

NORTH CAROLINA PROFESSIONAL SEAL 048316 ENGINEER TAYLOR Y. DOWELL

Taylor Dowell
Date: 2020.10.29 15:38:15 -04'00'

Project Notes:
This report is an assessment of vertical bearing capacity only. Minimum testing requirements include probe rod testing across the entire excavation and augers (minimum three locations) at multiple depths with Dynamic Cone Penetrometer (DCP) testing. Bearing capacity test results are voided if significant precipitation or water intrusion has occurred before concrete placement. JDSfaulkner is not responsible for site conditions that divert water towards the foundation or that prevents drainage away from the foundation, which can lead to soft soils and future settlement problems. It is the contractor's responsibility to ensure that all foundation areas are free of organics, loose material, standing water, and any other deleterious materials prior to placement of stone or concrete. Retaining wall stability nor slope stability analysis has been evaluated. JDSfaulkner shall not be held responsible for current or future retaining-wall or slope-related issues.