



ET ENGINEERING, P.A.
GEOTECHNICAL & ENVIROMENTAL ENGINEERS
P.O. Box 477, Graham, NC 27253 (336) 516-7205

PROJECT: Atherstone
LOCATION: Angier, NC

REPORT DATE: 5/29/2024
COMMENTS:

CONTRACTOR: LGI Homes

STREET ADDRESS: 94 Taverners Lane

LOT NO: 359

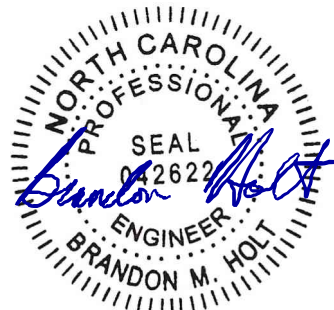
PERMIT NO.: SFD2307-0049

COMPONENT: 3rd. Party Monolithic Slab
Inspection

**Summaries of Engineering Services performed, including Field Test Data.
Location, Elevations and Depths are estimated.**

SUMMARY:

Arrived on site as requested by the contractor to perform a third party inspection on a turn down slab (Monolithic) at the above referenced site. The design bearing capacity is 2000 psf. The turned down slab areas were probed and found to be capable of supporting an allowable soil bearing capacity of 2000 psf. Footings were free of loose dirt and cleared of any organic materials. Footings were a minimum of 16" wide and 20" deep with 2 #3 rebars continuous throughout footings. All footing depths extend beyond the 12" frost line depth. House, garage and front porch slabs were filled with suitable soil and compacted. Slab thickness measured 4" minimum. Contractor placed a 6 mil. vapor barrier over house and garage slabs. Contractor placed R-10 insulation board around perimeter of all exterior footings. Thickened areas were placed according to plans on site. This work was performed in accordance with accepted engineering practices as required by the 2018 North Carolina Residential Building Code. This area was approved for the placement of 3000 psi concrete.



APPENDIX G

Design Professional Inspection Form

RECORD OF THE INSPECTION OF A COMPONENT OR ELEMENT BY A NC LICENSED ARCHITECT OR ENGINEER

Project Information:

Table with project details: Residential Single Family Project (checked), Commercial Project, Code Enforcement Project No, Permit # (SFD2307-0049), Project Name (Atherstone), Owner, Project Address (94 Taverners Lane), Suite No, Date Inspected (5/29/24), Contractor Name (LGI Homes), Component Inspected (3rd. Party Monolithic Slab Inspection)

Responsible Licensed NC Architect or NC Engineer

Table with inspector details: Name (Brandon M. Holt, P.E.), Firm Name (ET Engineering), Phone Numbers (Office, Mobile: (336) 516-7205), Email Address (Bmholt75@outlook.com)

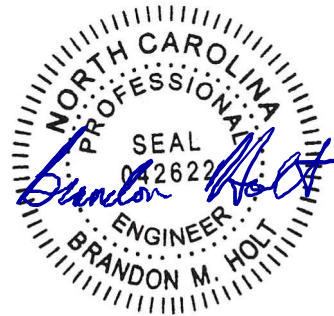
APPLICABLE CODE: 2018 NCRC
2018 NCBC = 2018 NC building Code: 2018 NCRC = 2018 NC Residential Code

Describe Element/Component/Type of Inspection: 3rd. Party Monolithic Slab Inspection

*(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.



Licensed Architect or Engineer

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 the 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.