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August 2, 2023

Masheika Raines 3305 US-401 South Lillington, NC 27546 Email: srelliott6@gmail.com

Reference:

Engineering Services Permit # BRES2304-0039 3305 US-401 South Lillington, NC 27546

TE&D Project No.: DRB2101-0152-B

To Whom It May Concern;

As requested, a representative of Tyndall Engineering & Design, PA (TE&D) was on-site to observe the following items:

1) 3RD party foundation observations.

3RD party footing projection observations.

The following conclusions and recommendations were noted:

1) The existing foundation was visually observed with regard to compliance with the project plans and applicable provisions of the 2018 North Carolina Residential Building Code. Per our plans, the exterior foundation was to be constructed with 8" masonry with a 4" brick veneer. During our inspection, it was observed to have been constructed with 4" masonry and a 4" brick veneer. We understand the addition is to be finished at the exterior with wood siding in lieu of 4" brick per our plans. Based on our observations and analysis, the current configuration of the exterior foundation is adequate provided that the addition is to be finished at the exterior with wood siding.

Based on our visual observations and analysis, with exception to the above, the existing foundation was prepared in general accordance with the project plans and applicable provisions of the 2018 North Carolina Residential Building Code. The covered patio foundation and footings were to be dug at a later time per the client; therefore, this component was not inspected.

2) The existing footing projection was visually observed with regard to compliance with the project plans. Our inspection consisted of spot checking the projection with a probe rod. We observed inadequate projection at (1) of the piers; however, this was corrected per our direction with (2) 8" long #4 rebar embedded 4" into the side of the existing footing. Based on our visual observations and analysis, the existing foundation had suitable projection with piers having suitable projection at all faces. The foundation projection will provide the required support for the anticipated loading conditions.

We appreciate being able to assist you during this phase of the project. If you need further assistance or require additional information, please do not hesitate to contact us.

Sincerely.

Tyndall Engineering & Design

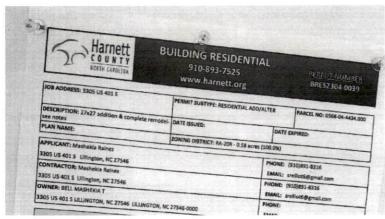
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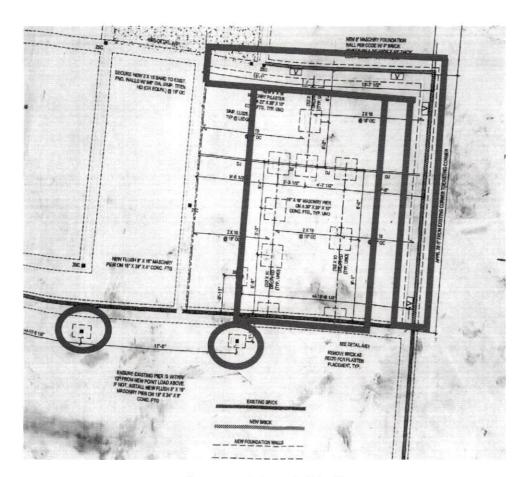
PT III | DRB2101-0152-B

Prentice Tyndall Jr., P.E.



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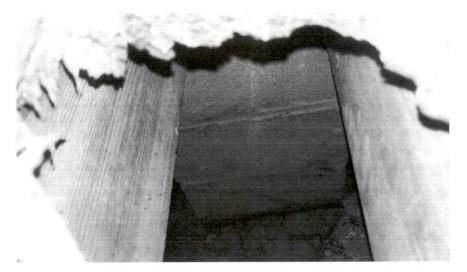


Components inspected (red)



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Examples of foundation constructed and footing projection repair made

HARNETT COUNTY INSPECTIONS DEPARTMENT

3RD PARTY 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
Code Enforcement Project No:	Permit No: BRES2304-0039
Project Name: 3305 US-401 South Lillington, NC 27546	Owner:
Project Address: 3305 US-401 South Lillington, NC 27546	Suite No:
Date Inspected: 8/1/2023	Contractor Name:
Component Inspected: Foundation and Fo	ooting Projection

Responsible Licensed NC Architect or NC Engineer

Name:	Prentice Tyndall Jr., P.E.	
Firm Name:	Tyndall Engineering & Design	
Phone Numbers:	Office: 919-773-1200 Mobile:	
Email Address:	tyndall@tyndallengineering.com	
Mailing Address:	250 Shipwash Dr. Suite 104, Garner, NC 27529	

APPLICABLE CODE SECTION: 2018 NCRC

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

Describe Element/Component/Type of Inspection: *

We performed a 3rd party Foundation Inspection as well as 3rd Party Footing Projection inspection at all foundation walls and piers for the home addition/remodel, the covered patio footings/foundation were not dug/constructed and therefore not inspected.

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 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 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.

^{*(}subgrade form/letter may also be required)