



# HAYES STRUCTURAL

Consulting & Design, PLLC

1501 Lakestone Village Ln. #103  
Fuquay-Varina, NC 27526  
NC Firm License No.: P-2854  
VA Business Entity License No.: 009365

**Date:** September 24, 2025

**To:** Tyler Appel  
Drees Homes  
8521 Six Forks Road, Suite 500  
Raleigh, NC 27615

**Re:** 25-FTG-137.1  
Footing Projections  
Lot 142 Tobacco Road  
216 Crop Rd.  
Angier, NC 27501  
Permit No.: SFD2508-0046

Mr. Appel:

At your request, a site visit was made to the above referenced single family residence under construction to inspect footing projection concerns noted by the county inspector.

**Observations:**

Several 16"x16" CMU piers were not located within the center one-third of the footings and have projection exceeding the thickness of the footings on at least one side. However, all pier footings were verified to have a minimum 2" projection at all sides.

**Analysis and Recommendations:**

Analysis based on the soil bearing capacity, pier footing sizes, and resultant forces imposed by the piers onto their footings revealed the "as-built" pier and footing configurations are adequate. No footing or foundation modifications are required.

Please contact us if you have any questions.

Respectfully submitted,  
Hayes Structural Consulting & Design, PLLC



Digitally signed  
by Zachary H.  
Hayes, PE  
Date: 2025.09.24  
14:01:50 -04'00'

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# Harnett COUNTY INSPECTIONS DEPARTMENT

## 3<sup>RD</sup> 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 ☒ N  
Code Enforcement Project No.: Permit No.: SFD2508-0046  
Project Name: Lot 142 Tobacco Road Owner: The Drees Company  
Project Address: 216 Crop Rd. Angier, NC 27501 Suite No.:  
Date Inspected: 9/18/2025 Contractor Name: The Drees Company  
Component Inspected: footing projections for CMU piers

### Responsible Licensed NC Architect or NC Engineer

Name: Zachary H. Hayes, PE  
Firm Name: Hayes Structural Consulting & Design, PLLC  
Phone No.: Office N/A Mobile  
Email Address: zach@hayesstructural.com  
Mailing Address: 1501 Lakestone Village Ln. Ste. 103 Fuquay-Varina, NC 27526

### APPLICABLE CODE SECTION: 2018 NCRC

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

Describe Element/Component/Type of Inspection: \*

Inspection of footing projections at CMU piers to verify footing and pier configurations are suitable to support all imposed loads. Inspection was limited to the component mentioned above and the remainder of the foundation construction was not a part of this inspection. See sealed letter for additional information.

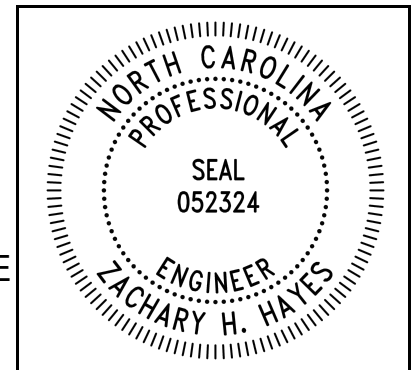
### \*(subgrade form/letter may also be required) Attestation/Signature:

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 (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



Digitally signed by  
Zachary H. Hayes, PE  
Date: 2025.09.26  
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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.