



February 21, 2023

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Reference: Engineering Services
260 North Peggy Street
Spring Lake, NC 28390
TE&D Project No. 2301-020169

To Whom It May Concern:

A representative of Tyndall Engineering & Design (TE&D) has observed the following items:

- 1) Observed and analyzed existing foundation supporting the residential dwelling at the above referenced address with regard to compliance with NC DOI guidelines for manufactured housing.

The following conclusion and recommendations were noted:

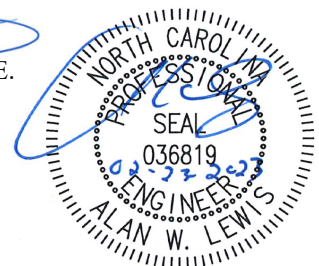
- 1) Based on our visual observations, the existing home foundation consists of 16"x16" dry-stacked CMU piers on concrete footings. **Based on our observations and analysis, the existing foundation does not comply with NC DOI guidelines. In order to comply, the following enhancements should be implemented:**
 - a. **The existing 8" x 16" and 16"x16" dry stacked piers greater than 36" tall are to be properly coated with "Sure Wall" or an equivalent surface bonding compound. For structural applications, apply a 1/8" thick coating on two opposing 16" sides (minimum).**
 - b. **We observed an 8" x 16" CMU pier (third from the rear-left) that is to be replaced with a new 16" x 16" CMU pier [orientation/location of pier based on facing the structure from the street]. The new pier is to be reinforced per item 1a of this report.**
 - c. **In addition, we recommend verifying that the manufactured home is anchored with a minimum of (6) anchor straps at each side length-wise (12 total straps).**

Once the above enhancements have been implemented, the existing foundation will meet NC DOI guidelines for foundations in association with manufactured homes. We appreciate the opportunity to assist you during this phase of the project. Should you need further assistance or require additional information please do not hesitate to contact us.

Sincerely,
Tyndall Engineering and Design

Tripp Amos
PT III | 2301-020169

Alan W. Lewis., P.E.





Site Inspected and 8" x 16" CMU pier to be replaced with new 16" x 16" CMU pier