



December 11, 2019

Jonathan Wall Custom Homes
1269 Turner Meadow Drive
Raleigh, NC 27603
Email: jonathanwallhomes@gmail.com

Reference: Engineering Services
3018 Old Stage Road
Coats, NC
Project No.: 1901-020745

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 FHA 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). These masonry piers, that are less than 64" in height, should be enhanced with a surface bonding cement (on at least two opposing 16" faces).

Additionally, several piers are greater than 64" in height but less than 160" in height. These piers shall be filled solid with either mortar or concrete to adequately support the anticipated loading conditions.

Finally, a masonry curtain wall should be installed around the perimeter of the dwelling. This curtain wall will exceed 40" and shall be constructed with 8"x16" masonry piers incorporated into the masonry veneer @ 6'-0" O.C. The reader is referred to page 2 for details.

Once the above-mentioned items are implemented the existing foundation will comply with the FHA guidelines for manufactured housing. 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

Sean M. Holmes
SMH/1901-020745

Prentice Tyndall Jr., P.E.

