

# J.S. THOMPSON ENGINEERING, INC

structural and geotechnical  
custom residential design

July 27, 2021

DC Carter  
Dan Ryan Builders NC, LLC  
3000 RDU Center Drive  
Suite 202  
Morrisville, NC 27560

Dear Mr. Carter:

A site visit was made to lot #40 Olde Mill Village subdivision (423 Mill Bend Drive) in Harnett County, North Carolina to inspect the foundation construction. Analysis revealed the following:

- 1) All piers except for the rear right pier were found to comply with the 2018 NCRC code height requirement and are suitable. Piers were verified to have been filled solid with mortar.
- 2) The right rear pier was found to exceed the code specified maximum height requirement of 13'-4" and requires modification. The web of the adjacent 2 x 4 floor truss is to be packed solid with vertical 2 x 4 blocking fastened with (2) 12d toe nails at each end to provide a nailing surface. The treated plate supporting the girder is to be shifted and a Simpson HTT4 is to be fastened to the top of the pier with a 1/2" threaded rod embedded a minimum of 6" with epoxy and fastened to the girder and blocking with 12d nails.


This configuration will provide the required support for all applied loads.

Please call me if you have any questions.

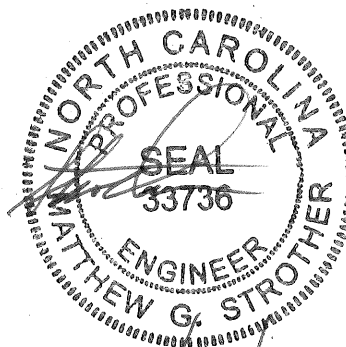
Sincerely,

J.S. Thompson Engineering, Inc.  
N.C. License No. C-1733

Cooper J. Luce



Matthew G. Strother, P.E.



7/27/2021

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