

J.S. THOMPSON ENGINEERING, INC

structural and geotechnical
custom residential design

May 21, 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 of the masonry piers 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 left rear pier was found to exceed the code specified maximum height requirement of 13'-4" and requires modification. The I-joist webs are to be packed out with 3/4" OSB sheathing in one bay and (2) 2x10 blocking is to be toe nailed to the top of the girder with (1) row of 12d nails at 6" o.c. and fastened to the packed out I-joists and bottom chord with (4) 12d nails at each end. The treated plate supporting the girder should be shifted so that a Simpson HTT4 can 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.

Please call me if you have any questions.

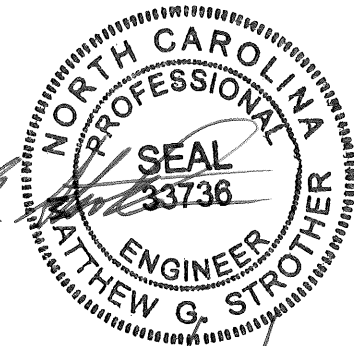
Sincerely,

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

Cooper J. Luce



Matthew G. Strother, P.E.



5/21/2021

