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To: **Marcus Clayton**
Wade Journey Homes
3300 Battleground Ave
Greensboro, NC 27410
mclayton@wadejourney.com
252-377-7028

Date: 03/07/2019

Re: Anchor Bolt Repairs
Quail Hollow Subdivision (Coats, NC)
JDS Project No. RDU1901033
Date of Inspection: 03/07/2019

JDS Consulting & Design, PLLC, conducted a site visit at the request of Wade Journey Homes. The purpose of the visit was to inspect the issues reported to JDS, which are presented, along with our Recommendations, in this report.

Observations:

The contractor requested alternative connections for multiple locations where anchor bolts are misplaced, or omitted.

Recommendations:

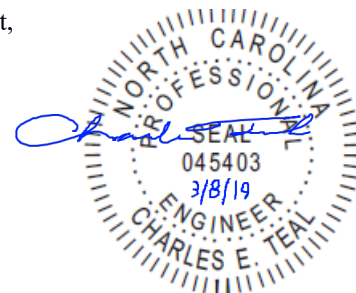
Based on our review, the contractor may install compression fit bolts (1/2" x 7", wedge anchor bolts/Red Heads) as needed as an adequate substitute to 'J' bolts to resist the uplift loading conditions. Compression fit bolts shall be installed to meet the 2018 NCRC specifications in section R403.1.6 listed below including but not limited to:

- 1) Minimum spacing of 6'-0" O.C. and within 12" of corners and sill plate breaks.
- 2) Placement within the center 1/3 of the width of the sill plate.
- 3) Walls 24" and shorter shall have minimum of (1) anchor bolt.

Compression fit bolts may be used to replace at any location within the foundation including the foundation walls, concrete slabs, and portal framed walls except where specific anchoring or threaded rods are specified for hold downs as shown on the sealed structural plans.

If you have any questions or if I can be of further assistance to you on this project, please contact me at 919-492-7036.

Respectfully Submitted,
Tiger Stellings
JDS Consulting & Design, PLLC



Alteration of this seal is a violation of the provisions set forth by the local board of engineering and shall result in legal action by local authorities.