



HAYES STRUCTURAL

Consulting & Design, PLLC

NC FIRM LICENSE NO.: P-2854
1991 EDDIE HOWARD ROAD | WILLOW SPRING, NC 27592
ZACH@HAYESSTRUCTURAL.COM | (919) 210-3480

Date: February 12, 2025

To: Tyler Appel
Drees Homes
8521 Six Forks Road, Suite 500
Raleigh, NC 27615

Re: 25-FRM-026
Framing Inspection
Lot 57 Tobacco Road
59 Grading Stick Court
Angier, NC 27501
Permit No.: SFD2412-0008

Mr. Appel:

At your request, a site visit was made to the above referenced single family residence under construction to inspect two framing concerns noted by the inspector.

Observations:

1. The 2x4 @ 16" o.c. pony walls above the garage door headers were measured to be +/- 7'-2" in height, exceeding the maximum allowable height for portal framing. The roof trusses above the front side of the garage span left to right to bear on the pony wall above the one-car garage door header. The roof trusses above the rear side of the garage span front to back, parallel to the pony wall above the two-car garage door header.
2. The cap on the 6x6 post at the right rear corner of the rear porch was not installed properly.

Analysis and Recommendations:

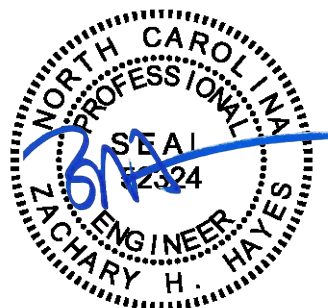
1. Sheath the inside of the left garage wall with 7/16" OSB attached with 8d nails spaced 6" o.c. along panel edges and 12" o.c. in the panel field. Install sheathing in continuous panels extending from the bottom of the headers to the tops of the pony walls. Tie each roof truss to the top of the pony wall above the one-car garage door header with a Simpson Strong-Tie H2.5A hurricane tie unless noted otherwise by the truss drawings. Brace the top of the pony wall above the two-car garage door header with 2x4x8'-0" ties spaced 4'-0" o.c. installed on top of the truss bottom chords extending inwards from the gable truss. Attach the ties to each intersecting bottom chord below with (2) 10d nails.
2. Tie each beam to the 6x6 corner post with a Simpson Strong-Tie H2.5A hurricane tie. The existing damaged post cap may remain in place.

These prescribed framing configurations will provide the required support for all imposed loads.

Please call me if you have any questions.

Respectfully submitted,

Zachary H. Hayes, PE
Owner/Structural Engineer
Hayes Structural Consulting & Design, PLLC



Digitally signed
by Zachary H.
Hayes, PE
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