



HAYES STRUCTURAL

Consulting & Design, PLLC

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NC FIRM LICENSE NO.: P-2854

Date: May 12, 2025

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

Re: 25-FRM-089
Framing Inspection
Lot 45 Tobacco Road
254 Golden Leaf Farms Road
Angier, NC 27501
Permit No.: SFD2503-0173

Mr. Appel:

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

Observations:

The 2x4 @ 16" o.c. pony walls above the garage door headers were measured to be +/- 5'-3" 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.

Analysis and Recommendations:

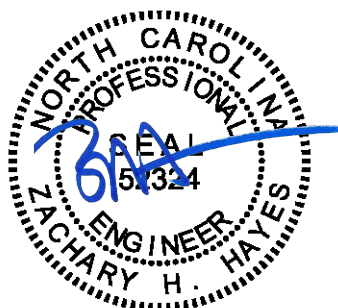
Sheath the inside of the right garage wall with 7/16" OSB attached with 8d nails spaced 6" o.c. along panel edges and 12" o.c. in the panel field. Install sheathing in continuous panels extending from the bottom of the headers to the tops of the pony walls. Brace the top of the pony wall above the two-car 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 interesting bottom chord below with (2) 10d nails. This prescribed configuration will provide the required support for all imposed lateral loads.

Please call me if you have any questions.

Respectfully submitted,

Hayes Structural Consulting & Design, PLLC

Zachary H. Hayes, PE
President & Principal Engineer



Digitally signed
by Zachary H.
Hayes, PE
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