



Date: October 17, 2025

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

Re: 25-FRM-227
Garage Pony Walls
Lot 142 Tobacco Road
216 Crop Rd.
Angier, NC 27501
Permit No.: SFD2508-0046

Mr. Appel:

At your request, a site visit was made to the above referenced single family residence under construction to address the pony wall heights above the garage door openings.

Observations:

The 2x4 @ 16" o.c. pony walls above the garage door headers were measured to be up to 4'-3" in height, exceeding the maximum allowable height of 3'-0" per plan. The roof trusses to the rear of the 2-ply girder truss span front to rear, parallel to the left exterior wall. The roof trusses to the front of the 2-ply girder truss span left to right, bearing on the pony walls above the one-car garage door header.

Analysis and Recommendations:

Secure every other pony wall stud (32" o.c. maximum spacing) to the garage door headers below with a Simpson Strong-Tie CS16 strap with minimum 11" end lengths. Where the roof trusses span parallel to the pony wall, furr out the gable roof truss bearing on the pony wall above the garage door header and install a Simpson CS16 strap at the top of every other pony wall stud to extend onto the truss with minimum 11" end lengths. Cut out sections of the nailer on top of the pony wall as needed to allow for flush installation of the straps. Where the roof trusses bear on the pony wall, tie each truss to the pony wall above the garage door header with a Simpson Strong-Tie H2.5A hurricane tie.

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

Please contact us if you have any questions.

Respectfully submitted,
Hayes Structural Consulting & Design, PLLC



Digitally signed by
Zachary H. Hayes,
PE

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