



**Date:** August 11, 2025

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

**Re:** 25-FRM-164  
Framing Items  
Lot 117 Tobacco Road  
253 Priming Way  
Angier, NC 27501  
Permit No.: SFD2506-0006

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 @ 12" 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 "G09" girder truss span front to rear, parallel to the right exterior wall. The roof trusses to the front of the "G09" girder truss span left to right, bearing on the pony walls above the garage door headers.
2. A +/-12" section of the double top plate of the interior nonbearing wall to the left of the fireplace was cut out to accommodate the installation of the fireplace vent.

**Analysis and Recommendations:**

1. Secure every other pony wall stud (24" 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 walls, tie each truss to the pony walls above each garage door header with a Simpson Strong-Tie H2.5A hurricane tie.
2. Install a Simpson Strong-Tie PSPN516Z mending plate across the cut out section of the double top plate per the manufacturer's specifications. Install 2x4 studs as needed within the noted wall to maintain a maximum spacing of 24" o.c.

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



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