



# 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:** October 23, 2024

**To:** Garrett Scott  
Drees Homes  
8521 Six Forks Road, Suite 500  
Raleigh, NC 27615

**Re:** 24-FRM-127  
Framing Inspection  
Lot 361 Serenity  
27 Songbird Court  
Fuquay-Varina, NC 27526  
Permit No.: SFD2408-0121

Mr. Scott:

At your request, a site visit was made to the above referenced single family residence under construction to address the valley trusses lacking continuous bearing.

### Observations:

The roof sheathing above the front left and front right sides of the house was terminated short causing the "V02" and "V11" valley trusses to lack continuous bearing. Additionally, the bottom chord of the "V11" valley truss was ripped flat to an approximate 3" depth. The metal gusset plates on the ripped bottom chord were intact and undamaged.

### Analysis and Recommendations:

Install 2x4 blocks beneath the "V02" and "V11" valley trusses between the top chords of the perpendicular trusses below. Fasten the blocks with (2) 10d toe nails at each end. The ripped bottom chord of the "V11" valley truss is adequate as long as continuous bearing is provided with blocking as described above. These prescribed 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



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by Zachary H.  
Hayes, PE  
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