



# 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:** April 7, 2025

**To:** Chris Johnson  
Drees Homes  
8521 Six Forks Road, Suite 500  
Raleigh, NC 27615

**Re:** 25-FRM-069  
Framing Inspection  
Lot 213 Serenity  
41 Daybreak Way  
Fuquay-Varina, NC 27526  
Permit No.: SFD2501-0048

Ms. Johnson:

At your request, a site visit was made to the above referenced single family residence under construction to inspect the sole plates within the garage that lack full bearing on the foundation.

## Observations:

The sole plate of the right wall at the bump-out adjacent to the water heater was measured to cantilever over the foundation up to  $\frac{1}{2}$ " at the front end. The sole plate of the right wall at the bump-out adjacent to the entry door was measured to cantilever over the foundation up to  $\frac{3}{4}$ " at the front end.

## Analysis and Recommendations:

Fasten the stud columns supporting the right end of the dropped beam above each bump-out with Simpson Strong-Tie CS16 straps spaced 24" o.c. Straps are to be installed in continuous pieces to wrap around the corner from the left face of the column to the front face of the column. This prescribed configuration 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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