



# HAYES STRUCTURAL

Consulting & Design, PLLC

NC FIRM LICENSE NO.: P-2854  
1991 EDDIE HOWARD ROAD | WILLOW SPRING, NC 27592  
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**Date:** April 7, 2025

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

**Re:** 25-FRM-070  
Framing Inspection  
Lot 215 Serenity  
63 Daybreak Way  
Fuquay-Varina, NC 27526  
Permit No.: SFD2501-0064

Ms. Johnson:

At your request, a site visit was made to the above referenced single family residence under construction to inspect the damaged LVL rim joist.

## Observations:

The 1 $\frac{3}{4}$ "x14" LVL rim joist on top of the load-bearing wall behind the garage had several 1" diameter holes and a +/- 4" diameter hole drilled through for utilities .

## Analysis and Recommendations:

Analysis revealed the LVL rim joist will accommodate holes up to 9" in diameter without structural reinforcement. Holes are to be located within the center two-thirds of the rim joist depth and should not interfere with the I-joists nor hangers supporting the roof trusses. The LVL rim joist modified in the manner described above 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



Digitally signed  
by Zachary H.  
Hayes, PE  
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