

**Date:** 09/21/2023

**To:** **Collin Silverthorne**  
Davidson Homes  
1903 N. Harrison Avenue  
Cary, NC 27513  
csilverthorne@davidsonhomesllc.com  
919-760-0366

**Re:** **Framing Items**  
Location: Lot 42 Prince Place (Fuquay-Varina, NC)  
JDS Project No.: RDU2308812  
Date of Inspection: 08/21/2023

A representative of JDS Consulting arrived on site to observe the issues reported to us by the client, which are presented, along with our recommendations, in this report.

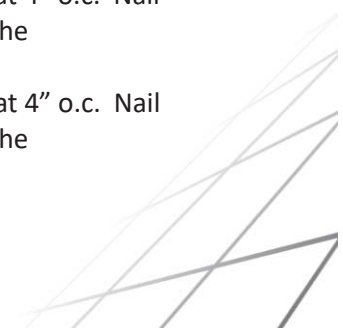
### Observations

1. At the left wall of the garage the plans call for the 3 1/2" x 9 1/2" PSL to bear directly onto the foundation. As built the PSL bears onto a bottom plate, 3/4" subfloor and the 2x10 band.
2. Above the 2<sup>nd</sup> floor hallway the structural plan calls for (2) 9 1/4" LVL and the Layout calls for floor truss FT1. The FT1 floor truss has been used.
3. At the rear of the A4G girder truss the left ply has broken web members at:
  - a. The bottom chord 3'-7' from the rear wall.
  - b. The diagonal web at 2' from the rear wall.
  - c. The top chord 2' from the rear wall.

### Recommendations

Based on our onsite observations and review,

1. Temporarily support the beam above the PSL. Remove all material between the bottom of the PSL and the top of the foundation and replace with (2) 10" LVL blocks centered below the PSL and installed tightly to the top of the foundation. Use (2) 12" pieces of Simpson CS16 strapping centered on the joints between the new LVL blocking and the existing PSL and band on each side of the new blocking.
2. The FT1 truss as called on the layout is adequate. No repair is required.
3. At the rear face of the girder truss install the following:
  - a. Add (1) 8' 2x4 scab centered on the damage attached with (2) 10D nails at 4" o.c. Nail the corresponding area of the front ply with (2) 10D nails at 4" o.c. into the rear/damaged ply.
  - b. Add (1) 4' 2x4 scab centered on the damage attached with (2) 10D nails at 4" o.c. Nail the corresponding area of the front ply with (2) 10D nails at 4" o.c. into the rear/damaged ply.
  - c. Add (1) 4' 2x4 scab centered on the damage attached with (2) 10D nails at 4" o.c. Nail the corresponding area of the front ply with (2) 10D nails at 4" o.c. into the rear/damaged ply.



If you have any questions or if I can be of further assistance to you on this project, please contact me at 984-297-5949.

Respectfully Submitted,  
John Lowrance



Reviewing Engineer:  
Maxwell C. Danskin, PE

