

**Date:** 11/14/2024

**To:** **Ryan Russell**  
Davidson Homes  
1903 N. Harrison Avenue  
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984-800-6136

**Re:** **Framing Item**  
Location: Lot 58 Wellers Knoll (120 Wild Turkey Way, Lillington, NC)  
JDS Project No.: RDU2411326  
Date of Inspection: 11/14/24

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

The client requests an evaluation of the following items:

1. The PSL column in the left garage wall overhangs the garage turndown by approximately 1-5/8". The plans called for a 3-1/2" by 9-1/2" PSL column to be installed, the contractor has installed a 5-1/2" by 9-1/2" PSL column instead. The PSL column portion that is overhanging is being supported by 2x blocking that the contractor has installed that is fully bearing on the garage floor.
2. The 10<sup>th</sup> and 11<sup>th</sup> floor joists (F20) from the right exterior wall have top flange damage near the rear bearing end due to plumbing and piping penetration coming down from the subfloor.

### Recommendations

Based on our on-site observations and review:

1. The PSL column is adequate as installed; no further action is required.
2. On the 10<sup>th</sup> roof truss, install a 16"x16"x7/16" OSB gusset centered on the damage on the opposite side of where the piping penetration has damaged the top flange near the rear bearing end. Attach the OSB gusset with (1) row of 10D nails spaced at 4" o.c. into every covered member. The client may tightly notch around penetrations as needed.
  - a. On the 11<sup>th</sup> roof truss, install a 16"x16"x7/16" OSB gusset centered on the damage. Attach the OSB gusset with (1) row of 10D nails spaced at 4" o.c. into every covered member. The client may tightly notch around penetrations as needed.

If you have any questions or if I can be of further assistance to you on this project, please contact me at 984-344-4691

Respectfully Submitted,  
Patrick Ruff

