

**Date:** 02/22/2024

**To:** **Alfredo Villalobos**  
Davidson Homes  
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919-841-2146

**Re:** **Framing Items**  
Location: Lot 43 Prince Place (345 Castle Pond. (Fuquay-Varina, NC))  
JDS Project No.: RDU2401922  
Date of Inspection: 2/22/2024

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 requested an evaluation of the following items:

1. For the 1<sup>st</sup> and 2<sup>nd</sup> roof trusses from the front door above the front porch the contractor replaced the bottom chord between the 1<sup>st</sup> and 3<sup>rd</sup> gusset plates from the right beam, with a new 2x4 then secured gussets with (1) 16"x16"x7/16" OSB gusset on both sides and attached with (2) rows of nails spaced 3" o.c. the right gussets match the roof pitch.
2. The 2x6 wall at the right of the stairs is bearing on the stair landing instead of being balloon framed wall.

### Recommendations

Based on our on-site observation and review:

1. The repair mentioned above is adequate as installed. No further action is required.
2. The contractor shall do the following:
  - a. Install (1) 2x8 blocking between the floor joist of the stair landing, and underneath the sill plate above. Attach it with a minimum (2) toenails on each end.
  - b. Affix the sill plate to the 2x8 blocking with (1) 5" long SDWS screw spaced 4" o.c., Predrill all holes before screw installation to prevent splitting.
  - c. Between the blocking and the top of the double sill plate install (2) A35 clips on each panel.
  - d. The stud columns of the upper wall shall be stacked through the foundation.

If you have any questions or if I can be of further assistance to you on this project, please contact me at 919-280-2845.

Respectfully Submitted,  
Ely Montoya

Reviewing Engineer:  
Drew Alexander, PE

