

**Date:** 12/05/2023

**To:** **Alfredo Villalobos**  
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**Re:** **Framing Items**  
Location: Lot 47 Prince Place (Fuquay-Varina, NC)  
JDS Project No.: RDU2311635  
Date of Inspection: 12/5/23

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 has requested evaluation of the following items:

1. The 6<sup>th</sup> truss from the right has a cracked bottom chord spanning 6" and starting at the rear bearing end. The contractor has installed (1) ~2' oblong shaped scab on the left face attached with (4) nails.
2. The 2<sup>nd</sup> from the front truss above the front porch has a crack in the bottom chord approximately 24" from the right bearing end. The contractor has installed (1) 3' 2x4 scab centered on the damage attached with random nailing pattern at the front face.

### Recommendations

Based on out onsite observation and review the contractor shall do the following:

1. Remove the in-place scab. Install (1) 2' 2x4 scab on each side on the bottom chord starting at the rear bearing end. Also install (1) 1' 2x4 scab on the vertical member above the damage starting atop the newly placed scabs. Attach all 2x4 scabs with (2) rows of 10d nails 6" O.C. Then install (1) 12" x 12" by 7/16" OSB scab on each side of the furred out joint and centered on the damage. Attach the OSB scabs with construction adhesive and (2) rows of 6d nails 3" O.C.
2. Install (1) 3' 2x4 scab on the rear face centered on the damage. Attach both 2x4 scabs with (2) rows of 10d nails 6" O.C.

If you have any questions or if I can be of further assistance to you on this project, please contact me at 980-240-5681.

Respectfully Submitted,  
Zachary Lower

Reviewing Engineer: Uchenna Onwuemene, PE

