

**Date:** 02/17/2025

**To:** Don Warren  
Davidson Homes  
1903 N. Harrison Avenue  
Cary, NC 27513  
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980-226-6636

**Re:** Truss Repair Verification  
Location: Lot 29 Tobacco Road (232 Looping Ct. Angier, NC)  
JDS Project No.: RDU2501554  
Date of Inspection: 02/17/2025

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.

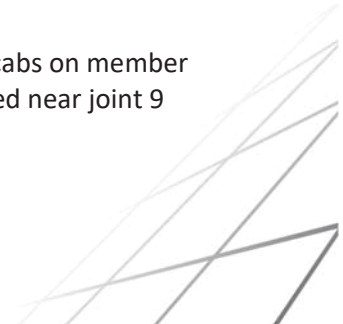
### Observations

The client requested a verification of repairs to A5 trusses on the premises, the observed repairs are as follows:

1. The following Repairs were installed on the bottom chords of the A5 trusses located 8<sup>th</sup> and 9<sup>th</sup> from the left wall.
  - The bottom chords were scabbed with 2x6 members approximately 15' long the scabs extending past the rear bearing end (loc 21) scabs were attached with (3) rows of nails spaced at approximately 4" o.c.
  - At location 21 the webs were furred out with additional members and a OSB gusset approximately 24"x24"x7/16" was installed on both faces. The gussets were attached with (2) rows of nails spaced at approximately 4" o.c.
  - Additionally, gussets sized approximately 24"x24"x7/16" were installed on both faces at joint locations 6,7, and 19. Gussets were attached with (2) rows of nails spaced at approximately 4" o.c.
2. The following repair was installed on A5 trusses located 6<sup>th</sup> – 9<sup>th</sup> from the left wall.
  - Scabs were installed on either face of member 9-17 due to a crack in the webs. The scabs extended the full length of the member and were attached with (2) rows of nails spaced at approximately 4" o.c.
3. At the time of the observation (2) additional breaks were seen in member 9-17 directly below joint 9, in the trusses located 8<sup>th</sup> and 9<sup>th</sup> from the left wall. The existing repairs on the members did not appear sufficient to combat the newly observed damage.

### Recommendations

Based on our observations and review, at trusses 8<sup>th</sup> and 9<sup>th</sup> from the left wall trim the scabs on member 9-17 down approximately 16". Install a 36"x36"x3/4" OSB gusset centered at the damaged near joint 9



and cut to the profile of the truss on both trusses. Attach the OSB with (2) rows of 10d nails spaced at 4" o.c. in all covered members. All other repairs are adequate as installed.

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,  
Elisha Harris



Reviewing Engineer:  
Maxwell C. Danskin, PE

