

Date: 09/16/2025

To: **Walter Johnson**
Builders First Source
2512 Yonkers Road
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919-862-7223

Re: **Truss Issues**
Location: Lot 14 Bloom (72 Scarlet Sags Dr. Fuquay-Varina, NC)
JDS Project No.: RDU2509664
Date of Inspection: 09/16/25

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 B02, B03, and G01G roof trusses were modified, the top chords were completely removed, and the web members were cut down due to the truss being too tall. The client has installed (2) 2x6 on either side of the web members/bearing ends as a substitute and nailed them into the web members.
2. The (6) roof trusses from the left exterior wall have had the 4-10 web members cut down to fit against the LVL that the trusses sit on top of.
3. The 3rd, 4th, 5th, and 6th roof trusses from the left exterior wall at the front wall of the 2nd floor were free floating, the client has shimmed the gap.

Recommendations

Based on our on-site observations and review:

1. At the B02 and B03 trusses, at each accessible side:
 - a. Furr out the peak webs and install a 24"x24"x3/4" OSB gusset centered on the gusset plate attached with (2) rows of 10D nails spaced at 4" o.c. The client may need to remove the flat 2x4 boards at the roof sheathing and replace after the gusset plates have been installed.
 - b. Attach the top chord to the bottom chord at the heels of each truss with a minimum of (7) 10D nails.
 - c. At each diagonal web attach each 2x6 together with a minimum of (7) 10D nails.

At the G01G gable truss at the newly installed 2x6:

- A. Furr out the tops of the vertical webs under the top chord.
- B. Install a 12"x12"x3/4" OSB gusset centered on the top chord/vertical web connection point attached with (2) rows of 10D nails spaced at 4" o.c. into every covered member.



2. The trimmed web members do not compromise the structural integrity of the truss; no repair is required.
3. Nail the vertical web members at the 2nd floor into the adjacent wall studs with (2) rows of 10D nails spaced at 4" o.c.

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

Reviewing Engineer
Samir Ibrahim P.E.

