

Date: 06/27/2024

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

Re: **Truss Issue**
Location: Lot 9 Griffon Pointe (179 Grand Griffon Way (Lillington, NC))
JDS Project No.: RDU2406374
Date of Inspection: 06/20/2024

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

Above the stairs to the attic, just to the rear of the mid-level landing, the bottom chords of the C04 and C05 trusses do not provide the necessary headroom clearance for the stairs.

Recommendations

Based on our onsite observations and review,
C04:

1. Install a horizontal 2x10 on the rear side of the truss (the side of the truss facing down the stairs) above the 10-11 bottom chord. The bottom of the 2x10 scab will be set such that the minimum head height clearance is achieved (minimum 6'8"). Cut the existing 2x10 bottom chord as needed to achieve the head height clearance.
2. Nail the 2x10 to the 8-11 web, 9-10 web, and 9-11 web with (2) rows of 10d nails spaced 4" on center.
3. Furr out the full length of the adjacent members (9-11 web, the 9-10 web, and 2' of the 8-11 web) with 2x4 material, attached with (2) rows of 10d nails spaced 4" on center.
4. Install a full width (3'-9" wide) x 3' tall x 7/16" OSB gusset scab over the horizontal 2x10 and the furred out material. Attach OSB scab with (2) rows of 10d nails spaced 4" on center into all covered material.
5. Install 2x4 blocking tight between the point loads (at joints 10 and 11) and the underside of the horizontal 2x10 scab. Secure blocking with (4) total 10d nails to the truss.
6. Remove and replace hurricane tiedowns as needed.

C05 truss repair noted on the next page....



C05:

1. Install a horizontal 2x10 on both sides of the truss above the 10-11 bottom chord. The bottom of the 2x10 scab will be set such that the minimum head height clearance is achieved (minimum 6'8"). Cut the existing 2x10 bottom chord as needed to achieve the head height clearance.
2. Nail the 2x10 to the to the 8-11 web, 9-10 web, and 9-11 web with (2) rows of 10d nails spaced 4" on center. If the 2x10 scabs are over the existing 2x10 bottom chord, attach with (1) row of 10d nails spaced 4" on center.
3. Install 2x4 blocking tight between the point loads (at joints 10 and 11) and the underside of the horizontal 2x10 scabs. Secure blocking with (2) total 10d nails to the truss.
4. Remove and replace hurricane tiedowns as needed.

If you have any questions or if I can be of further assistance to you on this project, please contact me at 984-297-5949.

Respectfully Submitted,
John Lowrance



Reviewing Engineer:
Maxwell C. Danskin, PE

