

Date: 11/05/2024

To: **Duane Morrow**
KB Home
4506 S Miami Blvd
Durham, NC 27703
dpmorrow@kbhome.com
919-610-7969

Re: **Damaged Roof Trusses**
Location: Lot 49 Birchwood Grove (120 Robert Howe DriveFuquay-Varina, NC)
JDS Project No.: RDU2411042
Date of Inspection: 11/05/2024

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

1. The 6th roof truss from the rear has been repaired at the top of web 6-18 with a full length 2x4 scab on each side to cover the splice of the new section of web member that overlaps the top chord at joint 6. Also, joint 7 at the top chord has been repaired for damaged gusset plates with OSB gussets.
2. The B01 truss has been repaired at web 7-13, the web member at the front of the tray above the family room and kitchen area, for damage with a full length 2x6 scab on each side extending to the OSB gusset plates installed for repairs at joint 7 at the top.

Recommendations

Based on our onsite observations and review,

1. The repair for the splice for the replaced section at the top of web 6-18 is adequate except for the connection to the top chord. Furr out each face of the top chord with a minimum 12" 2x4 scab on each side of joint 6 attached with (2) 10D nails at 4" o.c. to allow for a minimum 24" x 24" x 7/16" OSB gusset to be placed on each side, centered on joint 6, cut to the slope of the roof, tightly notched around any interfering blocking ant attached with (2) 6D nails at 3" o.c. into each over lapped member. The gusset plate repair at joint 7 is adequate as installed.
2. The OSB gussets are adequate as installed. No further repair is required.

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

