

Date: 07/02/2021

To: **Chad Craft**
KB Home
4506 S Miami Blvd
Durham, NC 27703
cacraft@kbhome.com
919-426-8313

Re: **Damaged Roof Truss**
Location: Lot 15 Highland Grove (14 Mid May Court Fuquay-Varina, NC)
JDS Project No.: RDU2107511
Date of Inspection: 7/2/2021

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 evaluation of the 4th JU1 roof truss from the front wall of the game room on the left side of the house. This part of the house was struck by lightning. The gusset plate as well as the top chord is damaged. A scab has been installed on both sides of the top chord.

Recommendations

Based on our on-site observation and review the client shall install a full length 2x4 scab to both sides of the bottom chord. The scabs should be cut so that they are fully bearing on the wall and flush with the scabs on the top chord. Attach the scabs with (2) rows of 10d nails spaced at 4" o.c. Then install a 16"x16"x3/4" OSB gusset plate on both sides of joint 2 on the outside of the scabs. Attach the gusset plate with (2) rows of 6d nails spaced at 3" o.c.

If you have any questions or if I can be of further assistance to you on this project, please contact me at 704-578-1220.

Respectfully Submitted,
Calvin Hamblet



Reviewing Engineer:
Jonathan Crouch, PE