

Date: 06/27/2022

To: **Shannon Spivey**
Mattamy Homes
2127 Ayrley Town Boulevard
Charlotte, NC 28273
shannon.spivey@mattamyhomes.com
919-533-8194

Re: **Roof Truss Modification**
Location: Lot 77 Providence Creek (Fuquay-Varina, NC)
JDS Project No.: RDU2206408
Date of Inspection: 6/27/2022

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

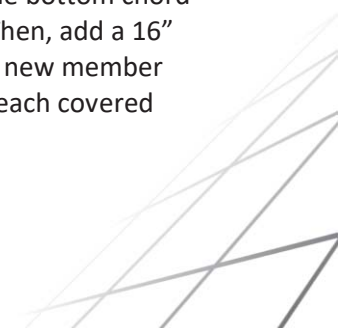
The client has requested evaluation of the following items:

1. The 1st truss from right above the flex room(A14) has been notched starting below joint (6) at the bottom chord. The Notch is 16" in height and 2" in width.
2. The 2nd truss from right above the flex room (A13) has been notched starting at below joint (5) at the bottom chord. The notch is 16" in height and 2" in width.
3. The 3rd truss from right above the flex room (A17) has been notched starting below joint (5) at the bottom chord. The notch is 16" in height and 2" in width.
4. The 4th truss from right above the flex room (A17) has been notched starting below joint (5) at the bottom chord. The notch is 16" in height and 2" in width.
5. The 5th truss from right above the flex room (A17) has been notched starting below joint (5) at the bottom chord. The notch is 16" in height and 2" in width.
6. The 6th truss from right above the flex room (A17) has been notched starting below joint (5) at the bottom chord. The notch is 16" in height and 2" in width.

Recommendations

Based on our on-site observation and review the contractor shall do the following:

1. Add a new vertical member in the plane of the truss. Cut to fit tightly between the bottom chord and the diagonal member connecting at joint 11 and abut to notched member. Then, add a 16" x 16" by 7/16" OSB gusset on both sides of joint 11 and bottom chord where the new member has been added. Attach with construction adhesive and (2) rows of 8d nails into each covered member spaced 6" O.C.
2. Add a new vertical member in the plane of the truss. Cut to fit tightly between the bottom chord and the diagonal member connecting at joint 10 and abut to notched member. Then, add a 16" x 16" by 7/16" OSB gusset on both sides of joint 10 and bottom chord where the new member has been added. Attach with construction adhesive and (2) rows of 8d nails into each covered member spaced 6" O.C.



3. For the (4) A17 trusses referenced. Add a new vertical member in the plane of the truss. Cut to fit tightly between the bottom chord and the diagonal member connecting at joint 10 and abut to the notched member. Then, add a 16" x 16" by 7/16" OSB gusset on both sides of joint 10 and bottom chord where the new

member has been added. Attach with construction adhesive and (2) rows of 8d nails into each covered member spaced 6" O.C.

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,
Zachary Lower



Reviewing Engineer:
Qiao Ping Wang, PE

