

Date: 12/13/2021

To: **Casey Igo**
DR Horton - Raleigh Field - East Region
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919-796-6365

Re: **Inspection Item**
Location: Lot 227 Wood Grove (Fuquay-Varina, NC)
JDS Project No.: RDU2112843
Date of Inspection: 12/13/2021

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 delaminating bottom flange of the I-joist located 3rd from the left of the J6 joist. The flange delamination occurs over an approximate 36" area beginning at the front bearing end.

Recommendations

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

- Temporarily support the I-joist and remove the hanger. Pack out the I-joists on both faces with 6' long ¾" OSB scabs beginning at the front end. Attach with construction adhesive and (3) 6d nails spaced 6" o.c.
- Install (1) 6' long 2x4 scab on both sides of the joist flush with the bottom flange beginning at the front end. Attach with (2) 10d nails spaced 6" o.c., with (1) in the web and (1) in the flange.
- Secure the I-joist with (1) Simpson HU5.125/11 or (1) Simpson HU5.125/14. Where gaps are present between the joist and the hanger, install 2x4 vertical blocking the remaining depth of the joist. Fasten into all covered members with (2) 10d nails spaced 3" o.c.
- Inject a wood glue into the delaminated bottom flange and secure with 1-1/2" long wood screws spaced 6" o.c. Pre-drill all holes prior to attaching screws to prevent splitting.

If you have any questions or if I can be of further assistance to you on this project, please contact me at 919-215-7954.

Respectfully Submitted,
David Lynn

