

Date: 09/03/2024

To: Daniel Blitch
DR Horton - Raleigh Field - East Region
2000 Aerial Center Pkwy
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919-724-1680

Re: **Damaged I-Joist Repair Specifications**
Location: Lot 44 Mason Ridge (149 Calebs Corner Pl, Spring Lake, NC)
JDS Project No.: RDU2408996
Date of Inspection: 09/03/24

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 requests an evaluation of the following items:

1. The 10th I-joist from the left exterior wall between the 2nd and 3rd girder has top flange penetration from electrical wire.
2. The 11th I-joist (double) from the right exterior wall has a damaged top flange due to plumbing penetration behind the garage wall.

Recommendations

Based on our on-site observations and review:

1. Pack out the web with 4' by full depth by 7/16" OSB centered on the damage attached with structural adhesive and (3) rows of 6D nails spaced at 4" o.c. Then install a 4' 2x4 scab flush with the top flange attached with (2) rows of 10D nails spaced at 4" o.c. with (1) row in the web and (1) row in the flange. The contractor may tightly notch around the penetration as needed in both the OSB and the flange.
2. Pack out the web on the opposite side of the damage, with 4' by full depth by 7/16" OSB centered on the damage attached with structural adhesive and (3) rows of 6D nails spaced at 4" o.c. Then install a 4' 2x4 scab on the opposite side of the damage, flush with the top flange attached with (2) rows of 10D nails spaced at 4" o.c. with (1) row in the web and (1) row in the flange.

If you have any questions or if I can be of further assistance to you on this project, please contact me at 984-344-4691

Respectfully Submitted,
Patrick Ruff





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