

Date: 03/31/2025

To: Josh Sain

DR Horton - Raleigh Field - East Region
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Morrisville, NC 27560
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984-327-5439

Re: I-Joist Issues

Location: Lot 30 McKay Place (264 Hawksmoore Ln, Lillington, NC)
JDS Project No.: RDU2503308
Date of Inspection: 03/31/25

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 7th front to back I-joist (double) from the left exterior wall has a damaged bottom flange on the left face at the rear bearing wall.
2. The 13th I-joist from the rear exterior wall in the crawl space has top flange penetration due to plumbing pipe near the right bearing end.

Recommendations

Based on our on-site observations and review:

1. Install a 4' by $\frac{3}{4}$ " OSB strip in the web starting from the bearing end tight against the bottom flange over the damaged flange attached with structural adhesive and (1) row of 6D nails spaced at 4" o.c. Then install a 4'2x4 scab flush with the bottom flange starting from the bearing end attached with (2) rows of 10D nails spaced at 4" o.c. with (1) row in the web and (1) row in the flange.
2. Install a 4' by $\frac{3}{4}$ " OSB strip in the web starting from the bearing end tight against the top flange on the opposite side of the damaged flange attached with structural adhesive and (1) row of 6D nails spaced at 4" o.c. Then install a 4'2x4 scab flush with the top flange starting from the bearing end on the opposite side of the damage 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

