

Date: 05/15/2024

To: **Josh Sain**
DR Horton - Raleigh Field - East Region
2000 Aerial Center Pkwy
Morrisville, NC 27560
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984-327-5439

Re: **Damaged I-Joist**
Location: Lot 22 McKay Place (Lillington, NC)
JDS Project No.: RDU2405036
Date of Inspection: 05/15/24

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 9th BCI 4500S I-joist from the front exterior wall at the left garage wall has damaged/broken bottom flange. The contractor has packed out the web on both sides centered on the damage with an approximate 4' long full depth OSB, and then installed a full depth top to bottom flange OSB scab overtop the packed-out web on both sides.

Recommendations

Based on our on-site observations and review the contractor shall remove the outer OSB cover on both sides of the I-joist. Then add more nailing in the OSB packed-out web with (3) rows of 6D nails spaced at 8" o.c. Then the contractor needs to install (2) 4' 2x4 scabs on both sides of the bottom flange flush with the bottom flange centered on the damage attached with (2) rows of 10D nails spaced at 4" o.c.

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



Reviewing Engineer: Uchenna Onwuemene, PE