

Date: 03/07/2023

To: **Teddy Rodriguez**
KB Home
4506 S Miami Blvd
Durham, NC 27703
tprodriguez@kbhome.com
919-499-8568

Re: **Damaged I-Joist**
Location: Lot 180 Birchwood Grove (368 Saint Claire Drive, Fuquay-Varina, NC)
JDS Project No.: RDU2301596
Date of Inspection: 03/07/2023

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 an evaluation of the 3rd 14" BCI 5000S I-joist from the front, above the garage has a crack at the bottom flange spanning approximately 60".

Recommendations

Based on our on-site observations and review, the contractor should pack out the full vertical web depth on both sides of the I-Joist between the flanges with 3/4" OSB extending a minimum 1' past the damage in each direction. The OSB should be attached with construction adhesive and (3) rows of 6d nails spaced 6" o.c. Then, install a 2x4 scab along the bottom flange on both sides of the I-Joist extending a minimum 1' past the damage in each direction (same length as OSB pack out). The 2x4 scab should be attached with (2) rows of 10d nails spaced 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 919-280-2845.

Respectfully Submitted,
Ely Montoya

Reviewing Engineer:
Drew Alexander, PE

