

Date: 06/11/2024

To: **Duane Morrow**
KB Home
4506 S Miami Blvd
Durham, NC 27703
dpmorrow@kbhome.com
919-610-7969

Re: Inspection Items
Location: Lot 136 Birchwood Grove (451 John Stark Dr, Fuquay-Varina, NC)
JDS Project No.: RDU2406020
Date of Inspection: 06/11/24

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 (2) ply A01G girder truss is split at the 2x6 bottom chord front bearing end on the left ply.
2. The 1st double BCI 5000S from the front flex room wall has a damaged bottom flange from HVAC penetration.

Recommendations

Based on out on-site observations and review:

1. The client shall install a 4' 2x6 scab over the split on the left ply of the girder truss attached with (3) rows of 10D nails spaced at on center. Additionally, install a 2' long 2x4 scab on the vertical web at the joint where the crack is noted. Attach the vertical scab with (2) rows of 10d nails spaced 4" on center. Install a 24" x 24" x 7/16" OSB gusset over the new scabs, attached with (2) rows of 10d nails into all covered material.
2. The client shall enlarge the hole above the HVAC plumbing so that the plumbing can be moved upwards. Then the contractor shall install a 4' x 4" OSB strip on both sides of the I-Joist tight to the bottom flange. OSB trip will be centered on the damage and attached with (1) row of 6D nails. Then the contractor shall install a 4' 2x4 scab flush with the bottom flange centered on the damage and attached with (2) rows of 10D nails spaced at 4" on center, with (1) row in the web and (1) row in the bottom 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

