

Mark E. Jones, PE
Structural Engineering and Design

January 21, 2025

All Home Renovation
130 Thomas Mill Rd.
Holly Springs, NC 2540

Ref: Site Observations and Analysis
93 Warner Hill Ct.
Fuquay-Varina, NC 27526
Permit No. SFD2024-0080
Project No. 24-141

To Whom it may concern;

The plans for the above referenced site were reviewed on January 9, 2025 for the following items:

1. Builder has made various changes in the field to the second floor.

Based on analysis, the conclusions regarding the condition(s) are:

1. The builder has added a fourth bedroom on the second floor on the left side that was originally designated as attic storage. The second floor hall bath was also changed to a full bath. The rear wall of the bedroom 4 is load bearing and the wall lands between i-joists in the floor system below. Below the wall, the builder shall provide 2x6 blocking at 24" on center between the i-joists. The builder shall pack out the webs of the i-joists flush with the flanges and use joist hangers to support the new blocking.

The builder has added a full bath and moved the closet to the rear of bedroom 2. No structural revisions are required due to the alternate framing. The window in bedroom 2 has been furnished as a twin window in lieu of the two single windows as specified on the plans. The existing 2-2x6 header is adequate as installed.

The three windows indicated in the Loft have been installed as one triple window. The builder shall provide a 2-2x10 header above the unit in lieu of the plan specified 2-2x6 individual headers.

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Thank you for this opportunity to assist you. If you have any questions or need any further assistance, please do not hesitate to call.

Respectfully,



Mark E. Jones, PE

