

J.S. THOMPSON
ENGINEERING, INC

December 19, 2024

Chris Greene
On-Site Homes, LLC
2919 Breezewood Avenue
Suite 300
Fayetteville, NC 28303

Dear Mr. Greene:

The "Avery" plan, truss layouts and drawings provided by Comtech were reviewed for 22 Peach Orchard Lane in Lillington, North Carolina to address the differences between the sealed plan and roof truss layouts as noted by the inspector.

The roof layout was modified to remove the truss bearing walls on either side of the second floor hallway and to remove the front to back girder truss in order for trusses to bear on the bedroom #4 wall. An LVL was added above the hallway to support the girder truss above the stairs. Analysis revealed the following:

- 1) The front to back girder truss is not required. The (2) 1 3/4" x 9 1/4" LVL above the hallway is sufficient to support the applied loads from the girder truss above the stairs. Install (3) 2 x 4 at each end of the LVL and block solid to the foundation.
- 2) A minimum (2) 2 x 6 header with (1) jack and (1) king stud is required at the new load bearing laundry closet wall. Block the point loads solid to the foundation
- 3) There will be no offset load or point loads to support within the joists above the garage.

This configuration will provide the required support for all applied loads.

Please call me if you have any questions.

Sincerely,

J.S. Thompson Engineering, Inc.
N.C. License No. C-1733

Whitney F. Boykin, E.I.

Matthew G. Strother, P.E.

