

J.S. THOMPSON
ENGINEERING, INC

August 26, 2024

Rogelio Ramirez
1668 Chalybeate Springs Road
Angier, NC 27501

Dear Mr. Ramirez:

Per your request, the pictures and information you provided for your home at 1668 Chalybeate Springs Road in Angier, North Carolina were reviewed to determine the structural requirements to allow removing the existing roof trusses, raising the wall height to 10'- 1 1/2" and reinstalling the trusses.

The trusses may be removed to allow the top plates to be cut for new 2 x 4 x 10' studs to be installed 16" on center (o.c.) beside the existing 8' studs. Where single windows and doors are located, (2) 2 x 4 x 10' studs are to be installed and 2 x 4 @ 16" o.c. cripples are to be installed over the headers. The new studs are to be fastened to the existing with one row of 12d nails 16" o.c. (2) 2 x 4 plates are required to be installed on top of the new studs. Blocking is to be installed between the new studs to allow 7/16" OSB sheathing to be installed from the blocking up to and lapping over the new top plates. The existing sheathing will be inspected to ensure the walls provide adequate lateral bracing, if not additional structural modifications will be required. Hurricane clips are to be installed on each end of the roof trusses.

A site visit will be made by me to inspect the structure after the demo is complete before the walls are raised. At this time any additional requirements will be added and included in an updated letter.

Please contact me if you have any questions.

Sincerely,

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

J. Scott Thompson, P.E.

