

November 11, 2019

Steve Thomas
Thomas Properties
PO Box 875
Broadway, NC 27505

RE: 1635 Harrington Road
Broadway, NC

Dear Mr. Thomas:

Per your request, the garage under construction at the above referenced address has been analyzed in the areas we discussed.

Review and analysis of the structure in the areas of concern revealed the following:

- 1) Every other 2 x 6 ceiling joist is required to be doubled (32" o.c.) due to the span and storage area above the garage.
- 2) The (2) 2 x 10 continuous garage door header spanning corner to corner with (2) 2 x 4 under each end and (2) 2 x 4 at each side of the door opening is properly sized and supported. One 36" long coil strap attached with one 8d nail 3" o.c. is required at each support. King studs are not required at each end of the header since the header abuts the perpendicular walls of the garage.
- 3) 2 x 4 collar ties are to be installed in the upper third of the rafters 32" o.c. attached at each end with a minimum of (3) 12d nails.

With the above noted modifications to the areas noted, these areas are properly sized and constructed to 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


J. Scott Thompson, P.E.



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