

Mark E. Jones, PE  
Structural Engineering and Design

March 9, 2022

Kevin and Rachael Buchanan  
839 Cortez Morrison Rd.  
Lillington, NC 27546

Ref: Site Observations and Analysis  
839 Cortez Morrison Rd.  
Lillington, NC  
Permit NO. SFD2108-0026  
Project No. 22-047

To Whom it may concern;

The above referenced site was observed March 8, 2022 for the following items:

1. Provide engineering letter on collar tie sizes, missing ceiling joists, and ridges not sized as beams.

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

1. At the Front Porch, the builder has provided double 2x4 collar ties at 16" on center. At the Family room and Covered Patio #1, 2x6 collar ties have been provided per plan. By providing collar ties at each rafter pair, the collar ties are effectively ceiling joists and the ridges are not structural and do not need to be sized as beams. The existing construction is adequate to support all imposed design loads. No further action is required.

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

