



**J. SMITH STRUCTURAL ENGINEERING, PLLC**  
N.C. CERTIFICATE NUMBER P-2212

July 27, 2022

Brian Culver  
Triangle Home Pros  
6312 Lauraca Lane  
Fuquay Varina, NC 27526

**RE:** Silverton Falls B – 88 Priscilla Lane  
As-built roof framing

Dear Mr. Culver:

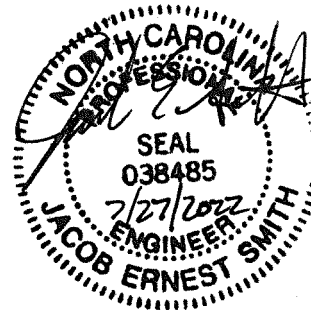
The above reference plans were reviewed to address as-built roof framing issues identified during framing inspection. You provided several images of the as-built roof framing in the areas of concern. Review of the plans and as-built framing revealed the following:

1. At the back of the gable roof over the sitting room area, the short hip sections were framed with single 2 x 10 hips in lieu of the (2) 2 x 10 hips noted on the engineered drawings. For these short hip sections, a single 2 x 10 hip is adequate to support the applied loads and no additional framing is required.
2. At multiple pitch break locations on the home, the upper 12:12 pitch rafters and the lower pitch rafters bear on the same wall or beam line. The lower pitch rafters were not over-framed onto the upper rafters on a flat 2 x 10 valley as noted on the engineered drawings. Instead, the as-built upper and lower rafters bear side by side on the bearing line and were secured together with a minimum of (4) 12d nails. This alternate framing method is adequate to support all applied loads and no framing modifications are required.

Please call me if you have any questions.

Sincerely,

**J. Smith Structural Engineering, PLLC**  
Jacob E. Smith, P.E.  
Owner



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