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908 Westland Ridge Rd  
Fayetteville, NC 28311

September 12, 2024

Tom Shumacher  
479 D.L. Phillips Lane  
Broadway, NC 27505

Re: Change in Field Conditions – Main Entry and Covered Porch  
479 D.L. Phillips Lane, Broadway, NC 27505

To whom it may concern:

Verification of a field change reference to drawing sheet S-4 has been requested by the owner.

Current field conditions have installed 6 total piers in-lieu of the 3 original piers and extended the framing plan 7'-5 1/2" to existing pool decking. The current spacing of piers is an acceptable change from the originally shown S-4 drawings as the maximum on center spacing of 7'-11 3/8" is met with the current field conditions using a max clear spacing of 5'-3".

Based on current pier locations and heights, girder spans have increased from 9'-8" to 11'-1" and requires a 14" x 2 1/4" notch at the point of bearing in the designed (1) 1.5E 1 3/4"X16" LVL. The LVL modifications listed in this document and new span lengths meet ASCE 7-22 and other applicable building codes.

Beam Properties are to remain  $F_b=2250$  psi (bending stress rating) and  $F_v=285$  psi (shear stress rating) and shall be in full bearing (14") at each pier. Provide a continuous load path from 6x6 post to the foundation using two (2) No. 2 2x12 squash blocks directly under each 6x6 post and in direct contact with the (1) 1.5E 1 3/4"X16" LVL. Restrain ends of beam from rotation.

Sincerely,

Daniel Matthew Tyndall, P.E

