

BRES 2503-0040



May 6, 2025

RE: As-Built Slab Inspection
Christine Broom
122 Forest Manor Dr., Sanford, NC 27332
GFE Project #CB306-25

To whom it may concern,

On May 1, 2025, Ground Force Engineering PLLC (GFE) conducted a limited slab inspection at the above-referenced property. The purpose of this evaluation was to assess the structural adequacy of the newly poured slab. Following our inspection, GFE has reviewed documents provided by the homeowner with information regarding the specifications of the concrete pour completed by Southeastern Pro Contracting LLC. Additionally, GFE has performed a point and moving load analysis to ensure the slab will withstand normal vehicle loads as well as loads imposed by the wood-framed carport.

Based on our visual inspection and structural analysis, we have determined that the newly poured 18'x26' slab is structurally adequate and will withstand loads imposed by pedestrian vehicles. GFE has also determined that the slab will resist the imposed point loads applied by the currently erected timber posts. GFE's analysis was based on the provided documents which detail a minimum 3000 psi fiber reinforced concrete mix with 10 gauge 6"x6" welded wire reinforcement and presumes a 1500 psf in-situ bearing capacity as outlined in the IBC. No deficiencies or concerns affecting the structural integrity of the slab were identified during our evaluation. Please note that our scope of work is limited to only the concrete slab. Code requirements for the wood-framed carport as well as the post-slab connections will be enforced by the inspector.

Please note that our inspection did not include subsurface exploration or an examination of concealed structural elements. Should conditions encountered during further renovations differ from those described herein, please contact GFE immediately.

Should any questions arise, please do not hesitate to contact us.

Sincerely,

James Bass
Structural Engineer I

Reviewed and approved by,

Zachary Polaha, P.E.
Principal Engineer



Zachary S. Polaha
Date: 5/6/25
PE #049355, Exp. 12/31/2025
Ground Force Engineering PLLC
Firm #P-2154, Exp. 6/30/2025



222 Rivenoak Dr., Fayetteville NC, 28303 - (910) 309-9178 - ZPolaha@GroundForceEngineers.com