



## CARTER ENGINEERING & CONSULTING, PLLC

### STRUCTURAL + CIVIL

Mr. A. Rivera  
Alpha Contracting  
149 Great Oak Drive  
Garner, North Carolina 27529

**Project No.:** 211220AR  
**Project:** Residential Remodel: Foundation and floor framing restoration  
**Location:** 204 E. H Street, Erwin, North Carolina 28339

#### Residential Modifications Narrative:

Part of the residential renovation included restoration of the original foundation and floor framing. The piers along the rear right perimeter of the house, under the kitchen, and one under the bathroom had extensive grout erosion and loose units that presented unstable conditions. Per my recommendations the contractor brought these piers to a satisfactory condition. The floor framing of these same areas had damage that reduced the cross-section structural capacity of the floor framing to below safe levels. The contractor satisfactorily reconstructed the floor with new commodity lumber joists.

#### Structural Provisions of Compliance:

- Any conditions discovered to be non-compliant or present structural concern shall be immediately brought to the attention of the engineer of record.

Acting as an independent third party, as a registered North Carolina professional engineer in good standing and faith, based on the available information, common practice, and standard guidelines, to the best of my knowledge the existing structure in its completed state meets the load requirements established in the applicable 2018 North Carolina Building Code to perform adequately and safely for the expected use as a livable area.

This letter is for the express use by the client. It is the responsibility of any third party to perform proper assessment prior to any modification to the construction from the original plan and/or intent; the Consultant accepts no responsibility for damages suffered by any third party as a result of such decisions or actions. This letter has been based, generally, on common practice, standard tables, and a non-intrusive visual review and is not an exhaustive study and should not be interpreted as such.

Sincerely,

Sean C. Carter, PE  
North Carolina No. 036181

