

ADDRESS : 604 CRYSTAL SPRING DR SUBDIV: CRESTVIEW ESTATES  
CONTRACTOR : PHONE :  
OWNER : ROBINSON ALVIN C PHONE :  
PARCEL : 03-9587-12- -0020- -41-  
APPL NUMBER: 16-50037990 CP GARAGE/CARPORT RESIDENTIAL DETACHED

DIRECTIONS : T/S: 02/09/2016 09:04 AM JBROCK ----  
CRESTVIEW EST LOT 178 ADDRESS 604  
CRYSTAL SPRING DR

LAND NOTES : LXMN 12/23/04 SPLIT FROM THE MAIN PARCEL

**STRUCTURE: 000 000 26X23 METAL GARAGE W/ 2-12X23 CARPORTS**

FLOOD ZONE : FLOOD ZONE X  
PROPOSED USE : METAL STRU SEPTIC - EXISTING? : EXT  
WATER SUPPLY : COUNTY

**PERMIT: CPBP 00 CP BUILDING PERMIT**

TYP/SQ	REQUESTED COMPLETED	INSP RESULT	DESCRIPTION RESULTS/COMMENTS
B111 01	8/03/16 8/03/16	DT DA	R*BLDG SLAB INSP/TEMP SVC POLE TIME: 17:00 VRU #: 002852168 T/S: 08/02/2016 11:32 AM LBENNETT ----- GATE WILL BE UNLOCKED AND SO WILL METAL GARAGE - NO PETS T/S: 08/03/2016 03:30 PMiETAYLOR ----- No footing inspection was done. Engineer must seal that building is properly fastened
B111 02	5/08/17	TL	R*BLDG SLAB INSP/TEMP SVC POLE TIME: 17:00 VRU #: 002969319 T/S: 05/08/2017 08:05 AM DJOHNSON ----- T/S: 05/08/2017 08:09 AM DJOHNSON -----

*[Handwritten signatures and initials over the table entries]*

COMMENTS AND NOTES

1582 McArthur Rd  
910.822.1724



Fayetteville, NC 28311  
910.822.4645 (FAX)

21 September 2016

Mr. Dean Taylor  
Harnett County Inspections

Re: Carport Foundation at 604 Crystal Springs Drive

On September 20, Jenkins Consulting Engineers, PA (JCE) performed an investigative inspection at the subject location. The purpose of the inspection was to evaluate the existing carport and determine if the foundation was installed in accordance with plans and maintains compliance with NC Residential Code. The homeowner was given three documented options of a foundation design by the building installer, and a fourth, undocumented solution is the one that was executed. The project failed a final inspection with the current method of foundation.

This report summarizes the findings and recommendations based upon the site visit and subsequent engineering evaluation.

#### **Scope of Investigation**

The scope of the investigation included the following:

- Observation of the property by a Professional Engineer
- Visual investigation with no destruction
- Preparation of report and findings

#### **Description**

The property in question is a single family residence. "A Plus" Carports constructed a metal building with no foundation, and this will not meet county codes.

#### **Observation and Findings**



*Exhibit A: The exterior of the building was constructed in accordance with plans provided by carport installer.*

Robinson Carport  
604 Crystal Springs Drive  
Sanford, NC

JCE recommends removing all equipment, folding back the plastic and rubber mat flooring, and digging the footings under the building where it sits. Each footing will need to have a 36" auger embedded in it and attached to the bottom member of the metal structure

JCE uses the generally accepted practices and principles of the profession. JCE expresses its opinion based on visual observation of the current condition of the structure as it relates to the condition as it was originally constructed. If any other conditions other than those assumed by this report are discovered upon the repair, the recommendations of this report will no longer be valid until the conditions are reviewed and changes verified in writing.

Please contact us with any and all questions.

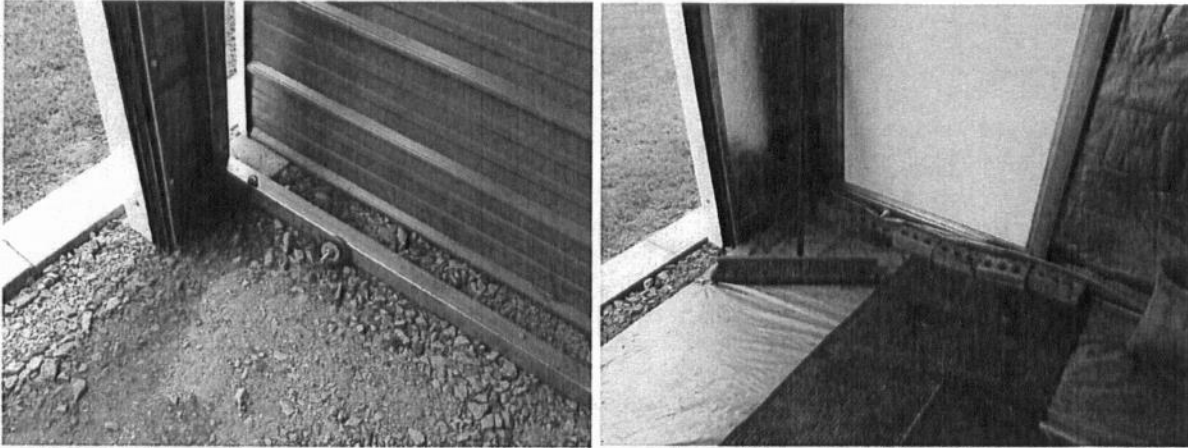
Respectfully,

**Jenkins Consulting Engineers, PA**

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**Kelly J. Dodson, PE, Vice-President**

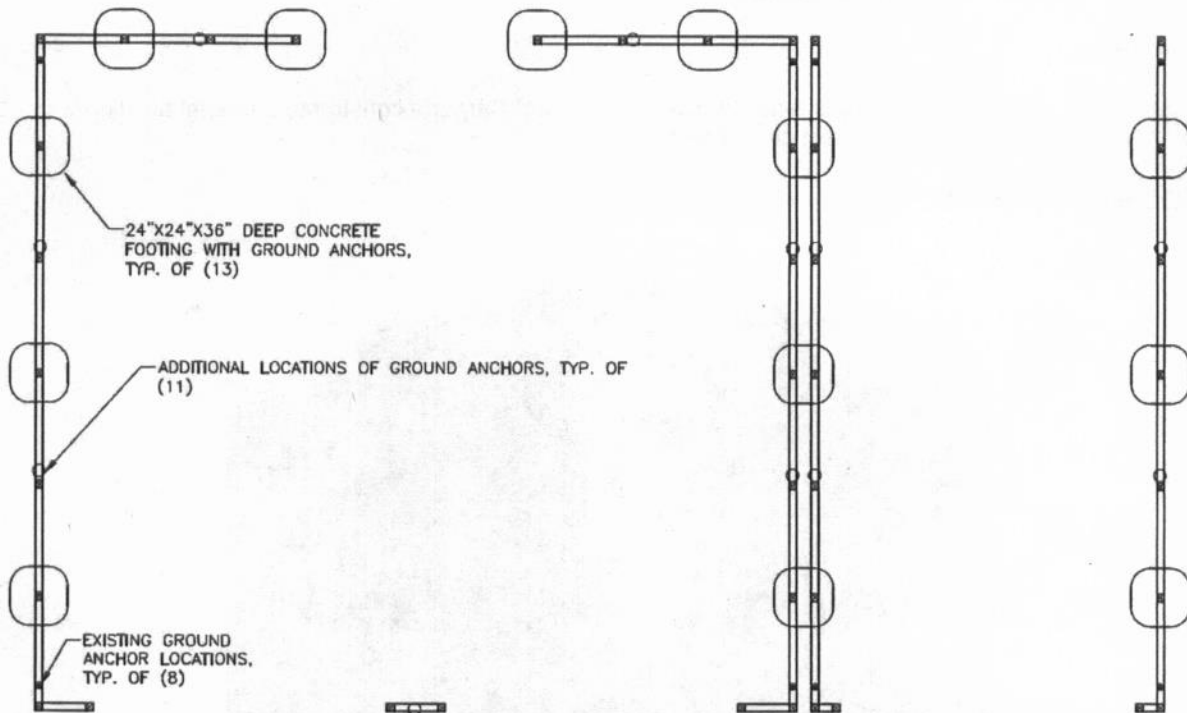
Robinson Carport  
604 Crystal Springs Drive  
Sanford, NC



*Exhibit B: This is the extent of the foundation/tie-down of the building. Gravel "flooring" and a total of 8 tie-down anchors throughout the building.*

### **Conclusions and Recommendations**

In conclusion and based on visual inspection, JCE is recommending the following that is of least impact to the building as it currently stands—see "Exhibit C".



*Exhibit C: The above plan is the design of least impact to the carport. It includes thirteen (13) total concrete footings with augers, as well as the addition of eleven (11) 36" augers (only), placed accordingly.*