

Wayne R. Dashfield, PE

421-B South Bright Leaf Blvd. Smithfield, NC 27577

(919) 934-0961

January 13, 2020

Re. Storage Shed Inspection
1129 Tilghman Road
Dunn, NC

To: Harnett County Inspections

Dear Sir-Madam

On December 7, 2019 I made an onsite visit to 1129 Tilghman Road in Dunn, NC .The purpose of this visit was to inspect the existing framed storage building that construction was started without a Johnston County Building Permit. The covered storage shed has an area 2000 SF, and is supported by 14 6x6 pressure treated posts with a double 14" LVL header around the perimeter of the building.All the lumber used is pressure treated. The 2018 North Carolina State Residential Building Code was used during this investigation. Listed below are my recommendations.

Pressure Treated Posts

The existing shed consist of a total of (14) 6x6 pressure treated posts spaced at 20' on-center. Because of the wind speed and the loads on the truss and the spacing of the existing post I will recommend that a total of (17) additional 6x6 posts are post be added along with diagonal bracing to be installed. (See attached drawing) These additional posts shall be installed with concrete footings and bolted to the LVL as shown on the attached drawing.

14" LVL Headers

There are 240 linear feet of existing two ply 14" LVL's. Based on the changes due to the braced walls there will be an increase of 40 linear feet. I will recommend that the LVL be wrapped to protect them from the weather. If I can be of any more assistance please feel free to contact me.

Yours Truly

Wayne R. Dashfield, PE



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01/13/20