



November 15, 2022

Stephen Jackson  
Gentry Restoration  
1549 Atkinson Street  
Laurinburg NC 28352  
Email: scullyy75@gmail.com

Reference: Engineering Services  
4 Laurel Circle  
Foxfire, NC 27281  
TE&D Project No.: 2201-020959

To Whom It May Concern;

As requested by the client, a representative of Tyndall Engineering & Design, PA (TE&D) was on-site to observe the following items for the front and rear home addition:

- 1) Assessment of damaged trusses at the rear left of the home due to a fallen tree.

The following conclusions and recommendations were noted:

- 1) We observed several trusses that had been damaged due to the fallen tree. Based on our observations and analysis, TE&D recommends the following repairs be made:
  - a. We observed the top chords/webs of the girder truss were damaged/missing at the rear left of the home. TE&D recommends installing a new full length (2) 2 x 4 members with (4) 10d toe nails at each end and to each other with (2) rows of 10d nails at 4" o.c. At the gusset intersections, new 36" x 36" x 23/32" OSB gussets are to be installed at both sides of the girder truss. Gussets are to be centered at the intersections and fastened to all members with (2) rows of 8d nails at 4" o.c.
  - b. We also observed the top chords and webs of several single ply trusses were damaged/missing at the rear left of the home. TE&D recommends installing new full length 2 x 4 members as needed for the damaged/missing top chords and webs of the remaining trusses. 2 x 4 members are to be fastened with (2) 10d toe nails at each end. At all gusset intersections, new 24" x 24" x 23/32" OSB gussets are to be installed at both sides of the truss. Gussets are to be centered at the intersections and fastened to all members with (2) rows of 8d nails at 4" o.c.

Upon completion, the above-mentioned repairs will be adequate to support the anticipated loading conditions. We appreciate being able to assist you during this phase of the project. If you need further assistance or require additional information, please do not hesitate to contact us.

Sincerely,  
Tyndall Engineering & Design

Tripp Amos  
PT III | 2201-020959

Alan W. Lewis, P.E.





**Examples of damaged trusses/areas to be repaired**



**Item 1a) Girder truss to be repaired**