

March 5, 2024

Josh Arnott
Davidson Homes LLC
4208 Six Forks Road
Suite 100
Raleigh, NC 27609

Dear Mr. Arnott:

The plan and truss documents were reviewed for lot #44 Tobacco Road subdivision in Angier, North Carolina to address several damaged trusses in the second floor system noted by the inspector. Analysis revealed the following:

- 1) The F01 truss with a damaged gusset plate at point 12 requires a 24" x 14" x 3/4" OSB gusset fastened from the end with construction adhesive and (1) row of 8d nails at 4" o.c. in all members.
- 2) The F01 truss with a hole drilled in member 11-12 for a wire requires a 2 x 4 x 6'-0" SPF #2 scab fastened from the end with (1) row of 12d nails at 4" o.c.
- 3) The F01 truss with a damaged gusset plate at point 9 and broken member at point 8 requires a 24" x 14" x 3/4" OSB gusset centered at point 9 fastened with construction adhesive and (1) row of 8d nails at 4" o.c. in all members. A 2 x 4 x 6'-0" SPF #2 scab is to be fastened from point 9 past the damaged area with (1) row of 12d nails at 4" o.c. The member is to be furred out with OSB prior to installing the scab.

This configuration will provide the required support for all applied loads.

Please call me if you have any questions.

Sincerely,

J.S. Thompson Engineering, Inc.
N.C. License No. C-1733

Matthew G. Strother, P.E.

