



February 2, 2022

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Reference: Engineering Services
476 Basket Oak Drive
Bunnlevel, NC 28323
Project No.: 2201-020074

To Whom It May Concern;

As requested by the client, Tyndall Engineering & Design (TE&D) made a site visit to provide analysis for the following item(s):

- 1) Client wishes to drill holes into 2 x 10 bottom chords of multiple pre-engineered roof trusses to accommodate for new plumbing utilities.

The following conclusions and recommendations were noted:

- 1) We understand that the client is to drill (1) 2" and (2) 3/4" plumbing utility holes in multiple 2 x 10 bottom chords of trusses. Based on our observations and analysis, additional reinforcement will be required for the penetrated bottom chords. TE&D recommends installing new 6'-0" long x 23/32" OSB scabs on both sides centered at the hole locations. The OSB scabs are to be fastened with (3) rows of 8d nails at 4" o.c. If necessary, the OSB sheets may be tightly "U" notched to allow the OSB to be installed without removing the utilities.

Upon completion, the modified roof trusses will provide the required support for 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 | 2201-020074

Prentice Tyndall Jr., P.E.





Example of trusses to be drilled