



Takla Engineering, PLLC

NC Firm License # P-1952
 Consulting | Design | Efficiency
 PO Box 71298 Durham, NC 27722 | office@TaklaEngr.com
 Alfred A. Takla, PE Andy A. Takla, PE
 AlfredTakla@TaklaEngr.com AndyTakla@TaklaEngr.com
 NC PE License # 047507 NC PE License # 050695

Project: Quail Glen Lot 151
Location: Fuquay Varina, NC
Company: NVR
Care Of: Travis Peed
Subject: Roof Truss Repairs
Job Number: 2-2465-22



As requested, Andy Takla, PE prepared this report on May 23rd, 2022 to address the following roof truss damage presented to engineer by construction manager:

1) Roof truss SE-16904 (7th truss from the left elevation wall) features a cracked bottom chord (as shown in the picture below). We understand repairs have already been implemented by means of 2x4 scabs on each side of the bottom chord. Based on review, the repairs may be deemed acceptable provided they comply with the following characteristics:

- 1) Scabs extend no less than 4' in both direction away from the scab.
- 2) Scabs on both sides are attached with at least (2) 10d nails spaced at ~ 6" on center.

Add nails, and/or increase scab lengths as required to comply.



Limitations of Inspection: Services provided are in accordance with the standard of practice for structural engineering, the North Carolina Residential Code (2018 edition) and within the limits imposed by scope, schedule and budget. The determinations contained in this report are based on conditions observed at the time of the evaluation. No guarantees or warranties, expressed or implied, under this agreement or otherwise, shall be construed in connection with services provided. Sequencing, shoring, means and methods of construction are considered beyond the scope of this report. All information used to form decisions and recommendations provided to engineer are taken as truthful. Takla Engineering assumes no responsibility for untruthful statements provided by any party. Lastly, while every effort has been made to ensure accuracy in the preparation of this document, the maker cannot guarantee against human error nor evaluations of structural elements which are concealed from visual inspection.

