



# Takla Engineering, PLLC

NC Firm License # P-1952

Consulting | Design | Efficiency

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**Project:** Prince Place Lot 21  
**Location:** Fuquay Varina, NC  
**Company:** Davidson Homes  
**Care Of:** Lee Aversano  
**Subject:** Roof Truss Repairs  
**Job Number:** 2-3275-22



As requested, Andy Takla, PE prepared this report on July 15th, 2022 to provide builder with a reinforcement method to repair roof truss A2 which features a large portion of the cross section missing from the upper section bottom chord (near joint 46). See pictures below for reference.

Based on review, we recommend installing a 8' long 2x4 scab to both faces of the bottom chord, centered on the damage and attached with (2) 10d nails spaced at 6" on center.



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.

