

Takla Engineering,

PLLC

P-1952

PO Box 71298
Durham, NC 27722
Office@TaklaEngr.com
919-258-2648

Consulting | Design | Inspection

Alfred A. Takla, PE
NC PE Lic. # 047507
Fred@TaklaEngr.com

Andy A. Takla, PE
NC PE Lic. # 050965
Andy@TaklaEngr.com

Macon J. Hubert, EI
NC EI # A-31279
Macon@TaklaEngr.com

Khamis B. Ghannam, EI
NC EI # A-32081
Khamis@TaklaEngr.com

Project: 112 Dickens Dr. Interior Renovation **Job #:** 2-2985-26
Address: 112 Dickens Dr. **Page #:** 1 of 1
Care Of: Bret Beaman **City:** Raleigh, NC
Company: Triangle Homes Inc. **Report Date:** 06/03/2026
Engineer: Andy A. Takla, PE **Date on Site:** N/A
Subject: Wall Removal - Approval

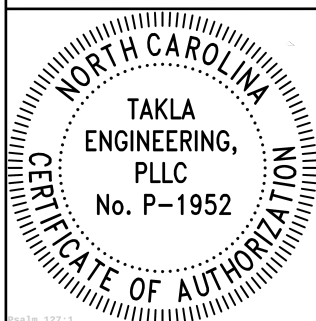
As requested, Takla Engineering prepared this report to address and provide formal documentation of our review and acceptance of the following scope of work:

The installation of a (3) 1.75" x 16" LVL beam to facilitate the removal of the center load-bearing wall spanning from the fireplace to the right exterior wall of the main living area.

Based on review, the contractor has successfully installed the beam in accordance with our recommendations, including the following aspects:

- 1- Attachment and fastening schedule connecting the three plies of the beam together.
- 2- Attachment of the side-loaded ceiling joists on either side of the beam, including the required hangers and associated fasteners.
- 3- Support of the beam at each end, including bearing at the fireplace and at the right exterior wall.
- 4- Support beneath each new point load, including the foundation wall beneath the right end of the beam and the existing pier located at the right side of the fireplace beneath the left end of the beam.

Based on review, we find the beam installation acceptable as constructed and provide no further requirements regarding the removal of the load-bearing wall.



Limitations of Inspection and Liability: Engineering services in this report follow standard structural engineering practice and the North Carolina Residential Code (2024 Edition). Conclusions and recommendations are based solely on site conditions observed at the time of evaluation and are limited by the agreed scope, schedule, and budget. This report excludes any responsibility for construction sequencing, shoring, or means and methods. Evaluations are limited to visible and accessible elements; no destructive testing or inspection of concealed components was performed. No guarantees or warranties, express or implied, are provided in connection with these services. Takla Engineering relies on the accuracy of information provided by others and assumes no liability for conclusions based on incomplete, inaccurate, or misleading input. Reasonable efforts were made to ensure accuracy. However, the potential for human error and the limitations of non-invasive inspection must be acknowledged. Takla Engineering's maximum liability—whether from contract, tort, or otherwise—is limited to the total fees paid for services under this agreement, barring gross negligence. By accepting, referencing, or using this report, the recipient agrees to all terms, limitations, and conditions set forth herein, barring gross negligence by Takla Engineering.

DIRECTION ORIENTATION

