

# Takla Engineering, PLLC

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Consulting | Design | Efficiency

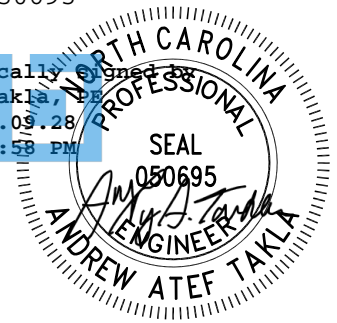
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**Project:** McKay Place Lot 35  
**Location:** Lillington, NC  
**Company:** Builder First Source  
**Care Of:** Tatiyana Karim  
**Subject:** I-Joist Repairs  
**Job Number:** 2-4801-24

Electronically Signed by  
Andy A. Takla, PE  
Date: 2024.09.28  
Time: 2:33:58 PM



As requested, Andy Takla, PE prepared this report on September 28th, 2024 to address the following I-Joist(s) presented to engineer by construction manager:

**Damage or Modification observed:**

- Notched, drilled, cut or cracked top or bottom flange**
- Hole(s) cut thru webs which are enlarged
- Hole(s) cut thru webs too close to top or bottom flanges
- Holes cut thru webs too close to bearing (probable but concealed)**
- Holes cut thru webs too close together

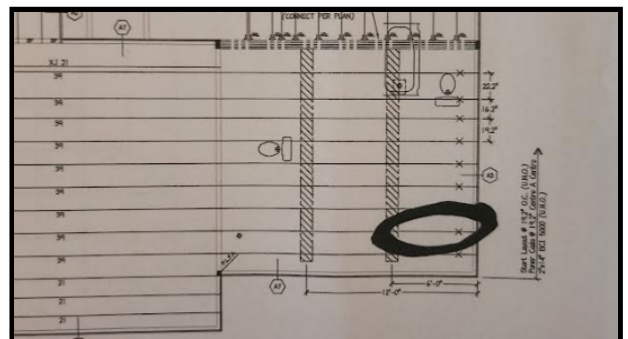
**Quantity and Location:**

One (1) I-joist located at the location noted on the snip of the I-joist layout below was damaged during transport and was pro-actively repaired; See pictures below for reference.

**Conclusions or Recommendations:**

**In-place repairs by means of OSB web fillers and 2x8 scabs to both faces of bottom chord are appropriate and adequate to restore structural integrity. No further repairs are required.**

Implement the Repair Detail included with this report to one side of (each) I-joist.



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.

