JDS Consulting
ENGINEERING • DESIGN • ENERGY

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Date: **07/16/2025**

To: **Jacob Davis**
Builders First Source
2512 Yonkers Road
Raleigh, NC 27604
jacob.davis@bldr.com
910-506-9932

Re: **Framing Items**
Location: Lot 345 Serenity (36 Firefly Ln. Fuquay-Varina, NC)
JDS Project No.: RDU2507319
Date of Inspection: 07/16/25

A representative of JDS Consulting arrived on site to observe the issues reported to us by the client, which are presented, along with our recommendations, in this report.

Observations
The client requests an evaluation of the following items:

1. The 5th I-joist from the left (from the kitchen) has top flange damage on the left face at the approximate mid-span.
2. The inspector is questioning the continuous 2x6 header that spans over the windows on the 2nd floor on both sides of the house. No wall framing is specified on the plans. The builder stick build the wall framing around the windows. There are (4) king studs between the two windows and (2) kings either side of each window. The 2x6 header is a single ply, and the above gable truss at the right side of the 2nd floor is bearing atop of the top plate. The wall is a 2x4 wall.
3. The client did not install OSB as per detail 7 on page SD2.0 at the front shear wall at the right front of the 2nd floor.

Recommendations
Based on our on-site observations and review:

1. Pack out the web by the full depth by 4' long by 3/4" thick OSB centered on the damage attached with construction adhesive and (3) rows of 10D nails spaced at 4" o.c. Then install a 4' 2x4 scab centered on the damage attached with (2) rows of 10D nails spaced at 4" o.c. with (1) row in the web and (1) row in the flange.
2. The continuous 2x6 across the gable at both sides of the house is adequate for the anticipated loading, no further repairs are required.
3. We recommend installing Cross Braced LIB bracing on the backside of the wall for the length of the designed shear wall. Install CS16 strapping along the wall per the detail noted in the following page.

If you have any questions or if I can be of further assistance to you on this project, please contact me at 984-344-4691.
Respectfully Submitted,
Patrick Ruff

Reviewing Engineer:
Maxwell C. Danskin, PE

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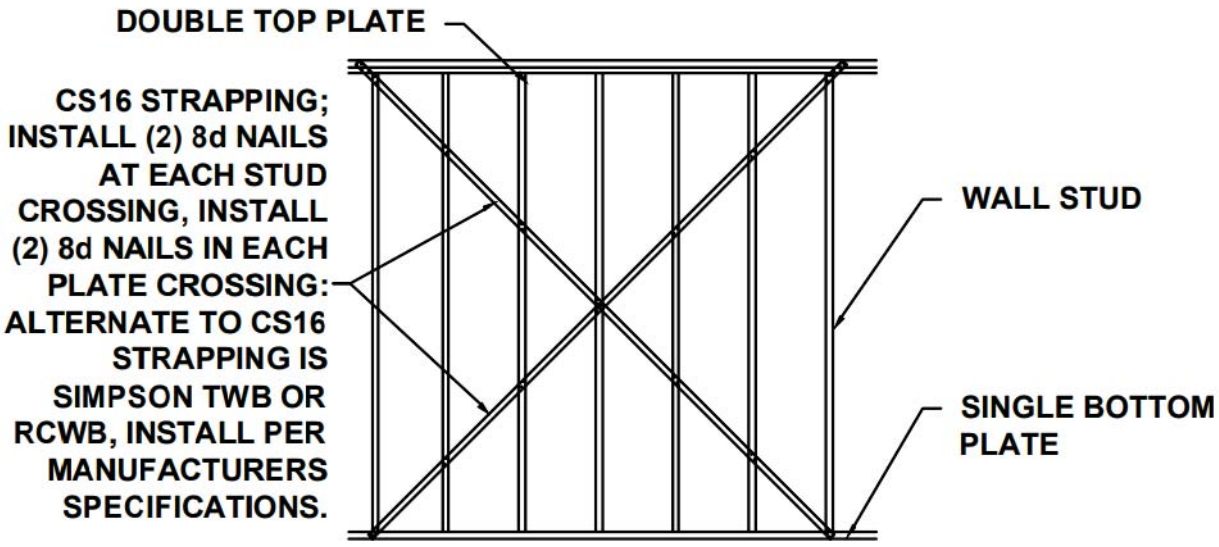

CROSS BRACED LIB

CS16 STRAPPING METHOD

SCALE: 1/4" = 1'-0" STRAP ANGLES TO BE NO MORE THAN 60° AND NO LESS THAN 40°