

**Date:** 09/21/2023

**To:** **Collin Silverthorne**  
Davidson Homes  
1903 N. Harrison Avenue  
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919-760-0366

**Re:** **Framing Items**  
Location: Lot 36 Prince Place (Fuquay-Varina, NC)  
JDS Project No.: RDU2308811  
Date of Inspection: 09/21/2023

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

1. At the front of the rear door there is no room for the (4) 2x4 below the girder truss as called on the plans. The 2-8 door framing of (2) 2x10 header with (2) jacks and (1) king take all the space in the 4' wall. Solid framing exists below the girder truss.
2. There is a damaged gusset plate at the 2<sup>nd</sup> truss from the right gable, A2, at joint 8.
3. There is a cracked web at the 5<sup>th</sup> truss from the right gable, A2, at the 2x4 web making up the ceiling joist at joint 46.

#### Recommendations

Based on our onsite observations and review,

1. The rear door framing, as built, is adequate to transfer the anticipated loading conditions of the girder truss above where the (4) 2x4 is called. No repair is required.
2. Repair the gusset plate by installing a 4' 2x6 scab centered on the joint and attached with (3) 10D nails at 4" o.c. on the side of the damaged gusset plate.
3. Install a 4' 2x4 scab on each side, centered on the damage and attached with (2) 10D nails at 4" o.c.

If you have any questions or if I can be of further assistance to you on this project, please contact me at 984-297-5949.

Respectfully Submitted,  
John Lowrance

Reviewing Engineer: Uchenna Onwuemene, PE

