

**Date:** 07/10/2024

**To:** **Tony Lopez**  
Chesapeake Homes  
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Raleigh, NC 27604  
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919-922-1858

**Re:** **HVAC Platform Access Issue**  
Location: Lot 171 The Farm at Neill:p:s Creek (146 Branch Dr. (Lillington, NC))  
JDS Project No.: RDU2407042  
Date of Inspection: 07/10/24

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

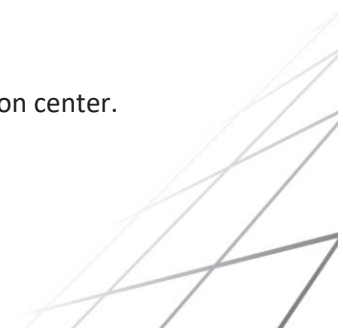
The client requests an evaluation of the front walk-in attic space needs a specification on how to make room for a 2x8 door way. The 2<sup>nd</sup> roof truss from the right gable is in the way and needs to be modified.

### Recommendations

Based on our on-site observations and review:

1. Supporting the bottom of truss C06H:
  - a. Adjacent to the location of joint 8, install a (3) stud column in the lower wall.
  - b. Install a hanger (Simpson LUS210 or equivalent) at joint 8 securing the bottom chord of the truss to the (3) stud column.
  - c. Install a 4' long x 7/16" OSB scab on both sides of the truss, extending from the bearing end out along the bottom chord. Attach with (2) rows of 10d nails spaced 6" on center into all covered material.
2. Installing a header to support the top of the trusses:
  - a. Remove the members of the truss below 6-19 and above the floor.
  - b. Install a (2) 2x8 header in the wall directly below the top plate, extending to the two adjacent trusses (such that the adjacent truss verticals are "king studs").
  - c. Install (2) Jack studs on each side of the header.
3. Supporting the top of the truss C06H and inline truss B03:
  - a. Install a 7/16" OSB scab on both sides of the trusses, covering the following members:  
(Attach OSB to all covered members with (2) rows of 10d nails spaced 4" on center)
    - i. C06H top chord member 6-7
    - ii. C06H horizontal member 6-16
    - iii. C06H vertical member 7-16
    - iv. B03 vertical member 5-6Attach OSB to all covered members with (2) rows of 10d nails spaced 4" on center.

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- b. Install a full height vertical 2x8 scab on both sides of the trusses at the top, nailing the 7-16 vertical of C06H to the 5-6 vertical of B03. Attach with (4) rows of 10d nails spaced 6" on center (2 rows in each vertical).

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

