JDS Consulting
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Date: **02/28/2025**

To: **Dale Stiles**
TriPointe Homes
5440 Wade Park Blvd
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Dale.Stiles@TriPointeHomes.com
919-464-6937

Re: **HVAC Platform Issue**
Location: Lot 276 Serenity (Fuquay-Varina, NC)
JDS Project No.: RDU2501913
Date of Inspection: 02/27/25

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 specifications on moving the HVAC platform to the rear area of the house. He client wants to install the HVAC platform at the rear of the 2nd floor on the right side of the house where the attic access door is located. The platform will start at the A05A roof truss and span approximately 7 trusses to the left. The platform will extend from the attic access door to the 1st vertical web from the rear on each truss.

Recommendations
Based on our on-site observations and review,

1. Install 2x12 scabs on each truss that the platform will extend to, from vertical 2-23 and 20-21. Set the scabs such that the top of the scab is level with the highest portion of the 23-20 web member. Attach with (3) rows of 10D nails spaced at 4" on center into all covered material.
2. If the 2-20 web member is required to be removed for the HVAC equipment,
    a. Clean cut and remove the web at joint 2 and joint 20, careful not to damage the gusset plates.
    b. Install a 2x4 scab full length on the 2-23 and 25-20 members. Install the scabs on the same side as the 2x12 scab in item 1. Attach the 2x4 scabs with (2) rows of 10d nails spaced 12" on center.
    c. At the 2,23,25, and 21 joints, furr out the adjoining members and install a 24" x 24" x 7/16" osb gusset plate. Attach gusset plate with (2) rows of 10d nails spaced 4" on center into all covered material. OSB gusset plate may be cut as needed to form around the roof/ceiling.

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