

**Date:** 08/26/2025

**To:** **Matt Goodew**  
Ryan Homes  
1401 Sunday Drive  
Raleigh, NC 27607  
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919-239-0789

**Re:** **Slab Repair Specifications**  
Location: Lot 18 Kipling Village (257 South Breeze Way. Fuquay-Varina, NC)  
JDS Project No.: RDU2508856  
Date of Inspection: 08/26/25

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 overhanging wing wall 2x4 sill plates. The left-wing wall is overhanging the foundation by approximately 5/8" to the front and approximately 5/8" to the right. The right-wing wall is overhanging the foundation by approximately 1/2" to the front and approximately 2-18" to the left.

### Recommendations

Based on our on-site observations and review:

1. Cleanly cut the garage wing-walls flush with the slab and remove.
2. Dowel (1) #4 rebar into the mid-depth of the cut face of the wingwall with minimum 4" embedment and 12" projection.
3. Dowel (2) equally spaced vertical #4 rebar into the left-to-right length of the repair area with min. 4" embedment and 3.25" projection. Tie the horizontal and vertical rebar together. Ensure all rebar has minimum 2" concrete clear cover on all sides.
4. Clean all dowel holes with compressed air and/or a wire brush prior to rebar installation and epoxy injection. Inject enough 2-part structural epoxy into the holes to create squeeze-out upon rebar installation.
5. **Contact JDS Consulting for inspection before pouring a minimum 3000 psi concrete.**

**NOTE:** Any previous anchor bolts that were installed will need to be removed and replaced.

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

