



Date: August 19, 2022

To: Dove Homes
2516 Brock Crossing Circle
Raleigh, NC 27606

Re: Framing Items - Rev 1
208 Farrah Shea Way
Angier, NC 27501
SUMMIT Job No.:

To Whom It May Concern:

SUMMIT Engineering, Laboratory & Testing, Inc. (**SUMMIT**) was contacted by Chris Nobling on behalf of Dove Homes to address the garage foundation wall of the structure at 208 Farrah Shea Way in Angier, North Carolina. The structural plans that were used during this evaluation were prepared by **SUMMIT Engineering** and sealed by Brian C. Philbrick, Jr., PE, dated June 25, 2020. All orientations are based on the reader facing the front of the home. Below is a summary of our findings:

Observations

The subject garage foundation wall is approximately 10 feet tall and has been constructed with 12" CMU blocks reinforced with #5 rebar at 16" on center epoxy doweled into the foundation. The top 3 courses of the wall are 8" CMU blocks, forming at 4" slab ledge. Fill is to be placed on the interior side of the foundation wall.

Conclusions

The foundation wall shall be backfilled up to the garage slab level with #67 stone backfill. Backfill shall be placed in 12" thick lifts and tamped each lift. The #5 wall reinforcement shall be hooked 90 degrees and doweled into the garage slab. The garage slab shall be min. 4" thick and reinforced with 6"x6" W1.4xW1.4 wire mesh.

Provided the above, the foundation shall satisfy the intentions of **SUMMIT** and the 2018 North Carolina Residential Code.

Closing

Opinions, conclusions, and recommendations made in this report are based solely on the performance observations made during the structural analysis pertaining to the scope of work as stated in the opening paragraph of this report. Performance standards are based on minimum building code requirements and the knowledge of our staff as gained through experience and professional training. We appreciate the opportunity to assist you in this phase of your project and look forward to assisting you on future projects if possible. If you have any questions please do not hesitate to contact us.

Sincerely,
SUMMIT

Henry Kuehr-McLaren, P.E.
Structural Project Manager



Alteration of this seal without the express written consent of the sealing engineer is a violation of the provisions set forth in the North Carolina Engineering and Land Survey Act (G.S. 89C) and may result in legal action by the North Carolina Board for Engineers and Land Surveyors.