HMHendrick Enterprises, Inc.

Heath M. Hendrick, PE 612 Valley Rd, Sanford, NC 27330 (919) 427-0501

October 22, 2024

Mr. Joshua Maddox
(919) 353-2698

Re: Foundation reinforcing and subgrade prep compliance
257 Fox Hunters Lane
Broadway, NC 27505

Mr. Maddox,

It is to be noted that the construction design in question, to include the foundations, layout, framing, and associated detailing was neither designed, nor reviewed by HMHendrick Enterprises, and my observations are therefore limited to the review of the subgrade preparation as performed by Maddox Concrete only, with no comment issued as to the integrity or design of the property being constructed beyond that scope.

With the above said, as requested, I have reviewed the subgrade preparation and reinforcing for the new foundations associated with the proposed building, as specified by the pre-fabricated metal car-port manufacturer, consisting of a 12" wide perimeter turn-down footing, extending a minimum of 12" below grade, (total thickness of concrete being 16" to include the 4" slab thickness), and bearing on stone fill. The footings as observed are reinforced w/ (2) rows of continuous #4 reinforcing bar, with appropriate corner bars installed. The concrete used for both the slab, and turn-sown footings is a 3500psi mix with fiber reinforcing.

With the above conditions noted, the in-place foundation/ subgrade preparation is found it to be suitable for concrete placement for its intended residential use to support a pre-fabricated metal enclosed car-port structure

LIMITATIONS:

Please note that this report should not be considered a warranty or guarantee, expressed or implied, of the property in the general, the building superstructure, or the foundation system. Structures and foundation systems may be severely impacted by changes in climate, land-use, etc, and any conclusions presented in this report are based on conditions noted at the time of the observation. The scope of this report is limited to the visual observation of the areas specifically referenced and does not include any other structural elements or adjacent systems. Due to the very limited scope of this investigation, we cannot attest to the existing structure's compliance

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with building codes or as-built construction techniques. This report has been prepared for the sole benefit of Mr. Maddox, at his request. Unauthorized use without permission shall result in no legal liability or legal exposure to HMHendrick Enterprises, Inc, or to Heath M. Hendrick, PE.

Thank you for allowing me to be of service in this investigation. Please feel free to contact me anytime if I may provide any additional clarification or documentation.

Sincerely,

Heath M. Hendrick, PE

Attached: Manuf. Foundation Detail (1)

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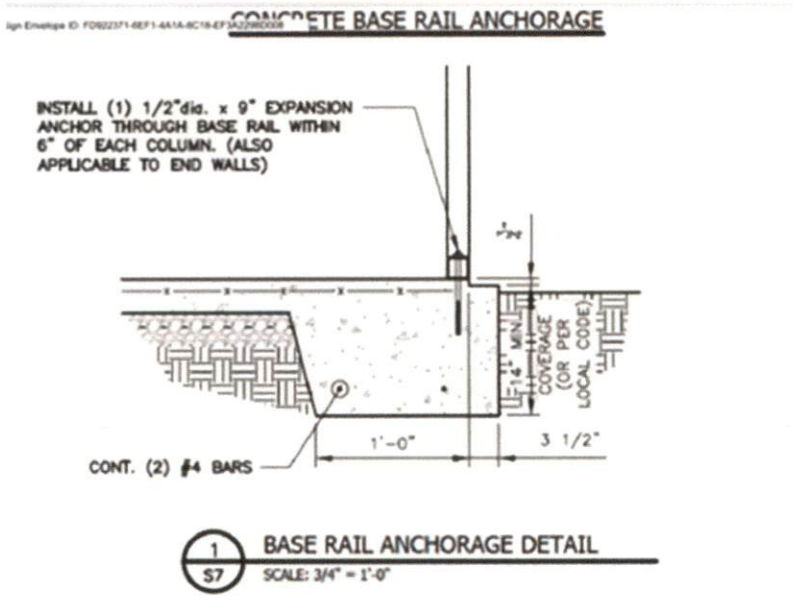

GENERAL NOTES:
ALL CONCRETE MONOLITHIC SLAB DESIGN BASED ON MINIMUM SOIL BEARING CAPACITY OF 2,000 PSF

CONCRETE:
CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS

COVER OVER REINFORCING STEEL:
FOR FOUNDATIONS, MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE PER ACI-318:
3" IN FOUNDATIONS WHERE THE CONCRETE IS CAST AGAINST AND PERMANENTLY IN CONTACT WITH THE EARTH OR EXPOSED TO THE EARTH AND WEATHER AND 1-1/2" ELSEWHERE.

REINFORCING STEEL:
THE TURNDOWN REINFORCING STEEL SHALL BE ASTM A615 GRADE 60. THE SLAB REINFORCEMENT SHALL BE WELDED WIRE FABRIC MEETING ASTM A185 OR FIBERGLASS FIBER REINFORCEMENT.

REINFORCEMENT MAT BE BENT IN THE SHOP OF THE FIELD PROVIDED:
1. REINFORCEMENT IS BENT COLD.
2. THE DIAMETER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN SIX-BAR DIAMETERS.
3. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT.

Photo 1: Car-port Manufacturer Foundation Detail