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Paul & Kim Helms
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re: ENGINEER'S REPORT – 4809 NW SUWANNEE VALLEY ROAD, WELLBORN, FLFIELD OBSERVATIONS

As requested, on September 9, 2021, I inspected the home at the above referenced property. The structure was constructed circa 2017. A portion of the structure is a metal building used as a residence. An addition was constructed on the back and left end of the metal building. The additions were constructed with timber framed walls and pre-engineered trusses. The metal building plans and truss design are attached. The interior is fully finished and the exterior framed portion is sided. Overall, the structure is in excellent condition.

The structure bears on a monolithic slab with a thickened edge. The foundation is entirely surrounded by a concrete apron and a concrete driveway so it was not possible to determine the size of the thickened edge. No settling or movement was detected during the inspection and no cracks were discovered in the exposed concrete slab. No cracks were detected in the interior walls. The receipt for the foundation is attached. 3000 psi concrete with fiber and steel reinforcement was specified on the receipt.

Per the owners, the trusses were attached using truss screws. The attic in the metal building portion of the structure was inspected; however, the underside of the roof is covered with spray insulation.

Per Columbia County Lidar elevations, the structure is 99.9 +/- . The adjacent road elevations on NW Suwannee Valley Road vary from 98.4 +/- to 100.9 +/-, not including the approach to the overpass on I-75. The ground slopes to the west and south. The site is graded to

prevent runoff from impacting the structure. Although the structure's finished floor elevation is less than the required 1' above the adjacent roads, I certify that the finished floor elevation will protect the structure against water damage from a base flood event, as defined in Article 8 of the Land Development Regulations.

No wetlands are present on the site. The structure is located in Zone X-shaded. Per SRWMD, a BFE not applicable for the site. The SRWMD Flood Report is attached.

RECOMMENDATIONS

In my professional opinion, this structure meets the specifications in the Florida Building Code 2020, 7th Edition.

LIMITATIONS

This report is limited to field observations. The observations were cursory. Recommendations are based on these observations. Other conditions not visible at the surface may be present. I am unable to certify or guarantee no future deterioration, settlement or movement of the structure.

Should you have any questions, please don't hesitate to contact me.

Respectfully,



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