

CAROL CHADWICK, P.E.

Civil Engineer

1208 S.W. Fairfax Glen
Lake City, FL 32025
307.680.1772
ccpewyo@gmail.com
www.carolchadwickpe.com

September 20, 2021

Paul & Kım Helms 4908 NW Suwannee Valley Road Wellborn, FL 32094 386.965.3387 zoey2.kh@qmail.com

re: ENGINEER'S REPORT - 4809 NW SUWANNEE VALLEY ROAD, WELLBORN, FL

FIELD 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 no 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 1-75. The ground slopes to the west and south. The site is graded to

CAROL CHADWICK, P.E.

Page 2

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,

No. 52560 STATE OF TO

Digitally signed by Carol Chadwick DN: c=US, o=Unaffiliated, ou=A01410D0000017 11349D4A70001621F, cn=Carol Chadwick Date: 2021.09.20 22:51:10 -04'00'

Carol Chadwick, P.E.

CC Job #FL2+255

CAROL CHADWICK, P.E., Page 3

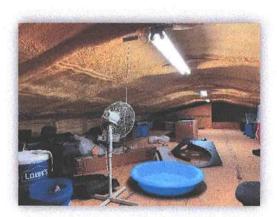












CARÓL CHADWICK, P.E. Page 4







