

Document Number: LSE-2022-1093-STR-RPT-01-02

March 7, 2022

## **Executive Summary and Background**

This letter summarizes the results of the visual inspection of a manufactured home located at 82 Old Salem Dr, Spring Lake, NC 28390 USA inspected on February 22nd, 2022. The owner hired LSE for an overall inspection.



Figure 1. Main entrance of the house facing South (towards Old Dutch Rd)

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## Findings

A visual inspection of the house was performed. Findings of this inspection are presented in this report.

Girder beams are in good condition in terms of rust. Also, they are sitting appropriately on the piers.

The two perimeter girder beams are tied to the ground using a bracing system which seems to be acceptable for multi-section units.

Foundation piers were visually examined. They seem to be in sound conditions.

It is noted that the property is located in a county that is subject to Wind Zone 1.

According to the "State of North Carolina Regulations for Manufactured Homes", main I-beam (chassis beam) support piers that are not more than 36 inches in height, measured from the grade line to the top of the cap block, may be constructed of single-stacked 8"x8"x16" concrete blocks. Accordingly, we highly recommend avoiding single-stacked piers with heights over 36 inches. Double-stacked section shall be used for such piers.

Inside of the house was visually inspected as well; no cracks or imperfection was found at the time of inspection. Leveling of the house was checked using a laser level. A maximum difference of 0.8 inches was observed over a length of 40 feet. It is noted that the observed level difference is in the acceptable range.

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LIMIT OF LIABILITY: This report was prepared under contractual agreement with the addressee (client) indicated above. The client has agreed to limit the liability of Licensed Structural Engineers, Inc. to an amount not to exceed three times the fee for services, for any and all matters arising from this visual examination and report. This report is based on a visual and non-destructive assessment (including measurements) of the structure. The information provided is based on the professional engineer's opinion considering the information collected at the time of the inspection. Any conclusions are valid for as long as the structure's conditions have not changed and are limited to the capacity of the methods used, pending further review by the undersigned Engineer after 60 calendar days. The information provided herein is for the exclusive use of the specified client. Licensed Structural Engineers, Inc. shall assume no liability for other parties who use the report without its express written consent.

Please contact our office if you have any questions, or if we may be of further service.

Best Regards,

Licensed Structural Engineers

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