

DAMMON ENGINEERING, INC.

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STUDIES

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STRUCTURAL CERTIFICATION

Tuesday, August 07, 2007

For: Joann Pearcy

Residence at:
1210 Palestine Road
Picayune, MS 39466

Requested by: Mat Maxwell, Adjuster
National Security Adjusting
P. O. Box 17782
Hattiesburg, MS 39404

Building Description:

Wood frame home raised 20 inches on CMU piers, vinyl siding, and composition shingle roof.

Scope:

This inspection is limited to a visual inspection of the exterior walls, roof and foundation. No inspection of the mechanical or electrical systems was performed.

History:

Mr. Maxwell with National Security Adjusting contacted Dammon Engineering to perform a structural inspection on the referenced property. Mr. Maxwell indicated that the homeowner stated the home had been moved on its foundation after a recent severe storm and has since begun to show damage.

Findings:

This inspection covered visible components (foundation, wall and roof framing) and their ability to support the home. The home appears to be approximately 40 years old.

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|---|------------|
| 1. Number of levels | One |
| 2. Roof framing | OK |
| 3. Wall framing | OK |
| 4. Indication of termite damage | None seen* |
| 5. Indication of rot damage | Yes |
| 5. Is structure elevated? | Yes |
| 6. Signs of structural distress or damage | Yes |
| 7. Failure or deterioration of foundation | No |
| 8. Exterior siding | OK |

* No termite inspection was conducted

Analysis:

1. This property is situated in a low area that appears to be slow to drain. The soil around and beneath the residence is very wet.
2. The house sits on a series of CMU piers. There are no signs of the house moving from its original position on these piers or of piers beginning to settle.
3. Along the front porch of the residence there are signs of several floor joist beginning to deteriorate, causing the front edge of the porch to drop and causing the buckling of the siding and skirting. This is visible by observing the slight buckling of the vinyl siding, skirting and the lower corner of the metal storm door where the frame is bent and partially crushed.
4. The right side of the porch flooring shows signs that it is beginning to sag and has several soft spots where the floor is weak. This is an additional indication that the problem is with the floor joist rather than a shifting or settling of the piers.
5. It appears that the easiest and most economical means to verify this analysis is to remove 10 to 12 of the decking boards on the right section of the porch and inspect the wood supports beneath and replace as needed. Use only treated lumber for this process.

Conclusion:

This house sits on a flat section of ground and does not drain well. It may be helpful to place 3-4 inches of sand over the under side of the home to help prevent water from standing under the home and also to improve drainage away from the home.

Other than as stated above, this property is structurally sound and is capable of being restored to its original condition.

Sincerely,

Emmett G. (Pete) Dammon, P.E.