



Structural Inspection

October 20, 2021

Smith Bart
15179 Rufus Thomas Road
Bogalusa, La. 70427

Construction:

One-story, wood frame, metal roof on a conventional foundation.

Scope:

This inspection is limited to a visual inspection of the interior of the home; No Inspection of the mechanical or electrical systems was performed. This report is as outlined by the National Academy of Building Inspection Engineers and is not an explanation of cause, effect, or engineering.

History:

Dammon Engineering was contacted to request a structural inspection of the home due to a large oak tree that fell on the roof of the home during hurricane Ida on 08-29-2021.

Findings:

Upon inspection of the home, a large oak tree fell on the home causing severe structural damage to the metal roof, roof rafters, ceiling joist and top plates in the kitchen and breakfast area. All the damaged materials are still in place.

At the time of this inspection, the interior of the home was not gutted in the affected areas of roof damage. There is severe sheetrock and insulation damage in the den, bedrooms, bathrooms, kitchen and breakfast area from water intrusion and now allowing mold to grow.

The tree broke several roof ratters, ceiling joist along with the top plates. The 2x4 gable end wall is totally crushed where the tree fell on it along with the fascia and soffit.

This inspection is limited to the apparent visual conditions of the structural components of this building. It does not cover, nor attempts to cover, any components, items, and/or conditions which, by their nature or location, are concealed or are difficult or hazardous to inspect, or which require the moving of furniture, flooring materials, rugs, fixtures, appliances, or any component-part nailed, bolted, or screwed down or shut. No opinions are expressed regarding conditions which could be discovered only by the disassembly of any component parts, special testing, or removal of any concealing objects.

Inspections are made under normal weather conditions, and are not opinions of the conditions of the property and/or structure which may exist under unusual weather conditions, such as, but not limited to floods, heavy rains or snows, high winds, temperature extremes, or any act of God. Specific hazardous wastes, toxic substances, toxic mold, air and water quality, communicable diseases, asbestos, soil, environmental, radon, carbon monoxide, formaldehyde, building code and termite conditions are not included in this report unless otherwise stipulated.

This report is not a warranty or guarantee of the property inspected, but it is our opinion of its condition at the time inspected. Our liability shall be limited to reimbursement of the total cost of inspection.

Conclusion:

Due to the force of the impact from the tree falling on it, it has created severe damage to the structure.

Recommendation:

- 1) Replace the damaged top plates.
- 2) Replace the knee wall for the gable end.
- 3) Replace the damaged ceiling joist.
- 4) Replace the damaged roof rafters.
- 5) Replace the damaged 1x4 furring strips.
- 6) Replace the damaged fascia and soffit.
- 7) Replace the damaged metal roof.
- 8) Replace the damaged tyvek.
- 9) Replace all the insulation.
- 10) Replace all the sheetrock.

Sincerely,

Brian Mistich

Brian Mistich, P.E.

Pictures attached



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