



Structural Inspection

September 22, 2021

For: Mr. & Mrs. Sinclair
59386 N. Harrison Rd
Slidell, La. 70460

Construction:

One-story, wood frame, brick and beveled pine veneer, wood and ceramic flooring with an asphalt shingle roof on a conventional foundation.

Scope:

This inspection is limited to a visual inspection of the interior and exterior 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 pine trees that fell on the roof of the home during hurricane Ida on 08-29-2021.

Findings:

Upon inspection of the home, two pine trees had fallen on the right side of the home causing severe structural damage to the roof, roof decking, roof rafters, ceiling joist and sheet rock.

At the time of this inspection, the interior of the home was gutted in the affected areas of roof damage and you can clearly see the busted roof decking, cracked roof rafters and cracked ridge beam. In the corner of the home the top plates are cracked also.

The exterior of the home was noted to have a damaged gable end including the overhang, fascia and soffit from the trees falling on it. In this area of impact the trees that cracked the top plates, the brick façade has damage as well with hairline cracks in the brick. The hairline cracks in the brick does not appear to transfer into the foundation.

With the damaged roof being open to the atmosphere, it allowed heat and moisture to enter the home and travel to the highest point in the family room at the other end of the home, this has caused the sheetrock to expand and contract and pull the joint seams apart and is now visible. The flooring was water damaged in the affected area also.

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 trees falling on it, it has created severe damage to the structure in this area.

Recommendation:

- 1) Replace top plates
- 2) Replace gable end wall
- 3) Replace ceiling joist
- 4) Replace ridge beam
- 5) Replace roof rafters
- 6) Replace roof decking
- 7) Replace asphalt shingles
- 8) Replace insulation
- 9) Replace sheetrock
- 10) Replace flooring
- 11) Repoint cracked bricks

Sincerely,

Brian Mistich

Brian Mistich, P.E.



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damaged roof decking

damaged gable end

damaged wood siding

damaged brick



busted rafters

busted roof decking

busted top plates



busted ridge beam



busted ridge beam

busted roof decking

cracked rafter



damaged flooring



brick facade
cracked

horizontal and vertical cracks in Sheetrock



horizontal cracks in
sheetrock

