



## Structural Inspection

November 2, 2021

Gregory Fisher  
2641 – 43 College St.  
Slidell, La. 70458

### Construction:

One-story, wood frame, brick veneer, with a composition shingle roof on a conventional foundation.

### Scope:

This inspection is limited to a visual inspection of the shell of the home, including the attic 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 referenced home due to a previous fire in the attic. This home is approximately 60 years of age.

### Findings:

An overall visual inspection of the interior and exterior of the home was conducted. This home has evidence of a previous fire in the attic space over the bedroom and living area.

The roof is a hip roof supported at the exterior walls. Multiple rafters show signs of charring from a fire in that area. There was no evidence of any rafters or ceiling joists showing any signs of being stressed or fatigued.

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:

Char that forms on the surface of wood structural members is lightweight and brittle, it has little tensile, compressive or shear strength. Movement of any of the structural members would inevitably show signs of missing areas of char and cracks where the stress(s) would have occurred.

Recommendation:

The wood frame construction that has been exposed to a fire appears to be structurally fine. It is my opinion that the structural integrity of this home is currently sound.

Sincerely,

*Brian Mistich*

Brian Mistich, P.E.



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