



Licensed Structural
Engineers

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This letter summarizes the results of my visual inspection of the house located at 54 Brent Wood Ct, Sanford, NC 27332 USA performed on January 24, 2022. The client requested us to inspect the house after a fire incident. According to the client, the main purpose of this inspection is to evaluate conditions of the roof trusses.



Figure 1. Aerial image of the house (source: Google Maps)

During my inspection, I also noticed that this manufactured home does not have a proper drainage system. Currently, as shown in Figure 4 there are no downspouts to drain the rainwater from the roof area.

I recommend directing rainwater from the roof toward the opposite side of the foundation by using gutter downspouts, splash blocks, or even French drains.

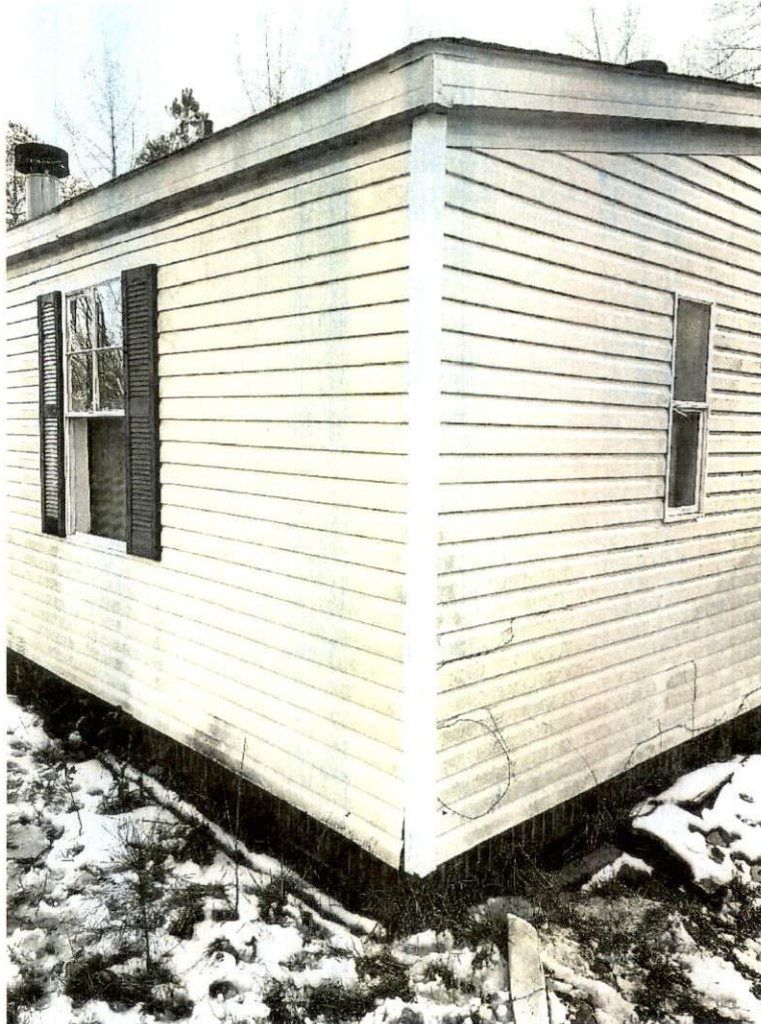


Figure 4. Lack of drainage management

The window on the back of the house along with the wall Framing around this window are damaged and need to be fixed. Moreover, the exterior wall wood board finish below this window is damaged. These elements are shown in Figure 3. It is noted that in general, all such damages that are caused by flooding or fire incident should be repaired.

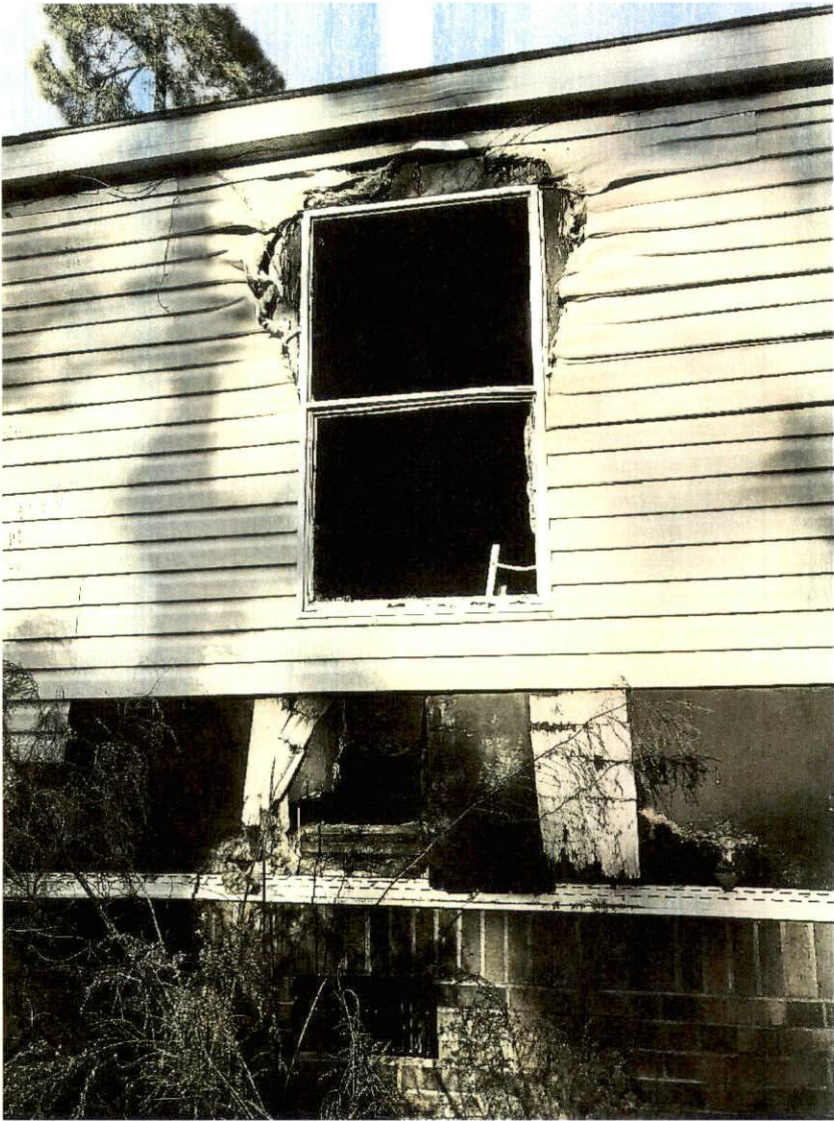


Figure 3. Window on the back of the house

Summary and Recommendations:

A visual inspection was performed to mainly evaluate conditions of the roof trusses.

During my visual inspection, I observed that roof trusses are in good shape and in acceptable conditions. Needless to say, my inspection could cover only the open/visible roof trusses.

However, there are still a lot of members that are sooty or even burned due to the fire incident; all such members need to be replaced.

The window on the back of the house, the wall Framing around this window, and the exterior wall wood board finish below this window are damaged and need to be fixed. It is noted that in general, all such damages that are caused by flooding or fire incidents should be repaired.

This manufactured home does not have a proper drainage system. Currently, there are no downspouts to drain the rainwater from the roof area.

We recommend directing rainwater from the roof toward the opposite side of the foundation by using gutter downspouts, splash blocks, or even French drains.

The building is a manufactured home. According to the client, the building experienced a fire incident about two years ago.

During my visual inspection, I observed that roof trusses are in good shape and in acceptable conditions. Needless to say that, my inspection could cover only the open/visible roof trusses.

However, there are still a lot of members that are sooty or even burned; all such members need to be replaced. The following pictures show some of these burned members.



Figure 2. Representation of some of the burned members



Figure 2. Representation of some of the burned members



Figure 2. Representation of some of the burned members

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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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