



May 17, 2019

Adam Abdirahman
957 Prosperity Ave,
St Paul, MN

email: caafi5000@yahoo.com

Re: 957 Prosperity Ave, St Paul, MN

Dear Adam Abdirahman:

On Friday, May 17th, 2019, an engineer from Complete Building Solutions (CBS) inspected your home and discussed the issues that are concerning you. Our assessment and analysis are summarized below.

A non-intrusive investigation was performed, as many of the structural members were hidden, some assumptions based on traditional construction methods and visible members were taken.

Structural Members (Beams/ Joists/ Posts/ Bearing Walls):

There are multiple existing structural wood I-joist (Figure 2) supporting the 2nd floor that are damaged as a result of the fire and need to be replaced. Any I-Joist that has the bottom chord cut needs to be replaced with a similar member.

The header at the bay window in the front of the house (Figure 1) is in good condition and does not need to be replaced.


CBS recommends renting a couple industrial dehumidifiers, closing up the openings in the home and running the dehumidifiers until the humidity level reaches a maximum of 20%. The home still has a lot of moisture from the fire, this moisture can cause addition damage in the future.

Conclusion:

In my professional opinion: the wood I-joists that have cut bottom chords need to be replaced, and dehumidifiers used to remove the moisture in the home.


If you have any questions or comments, please feel free to contact Complete Building Solutions at 763-544-3355 or email Rob@CBSmn.com .

Yours truly,


Stephen Hammill, P. E.
MN License #48070

Professional Engineer

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.

Signature: 
Typed or Printed Name: Stephen Hammill
Date: 5/17/2019 License Number: 48070

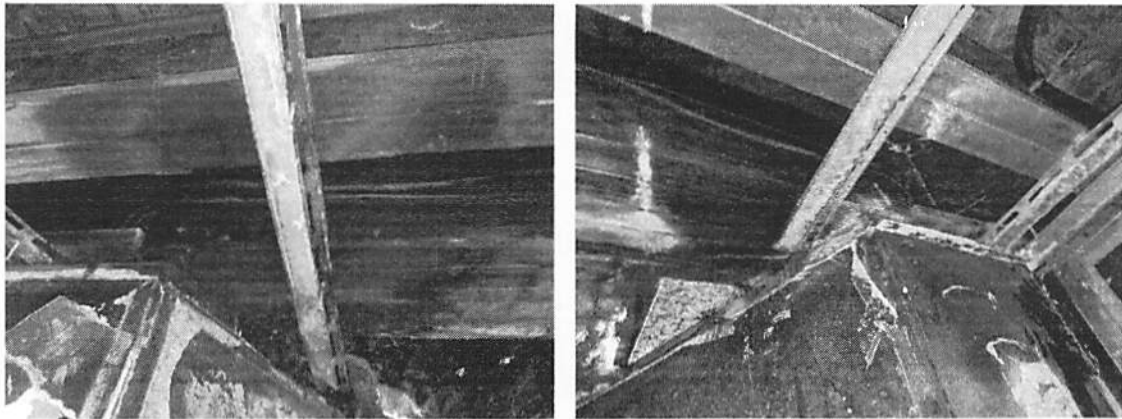


Figure 1: Header - In Good Condition

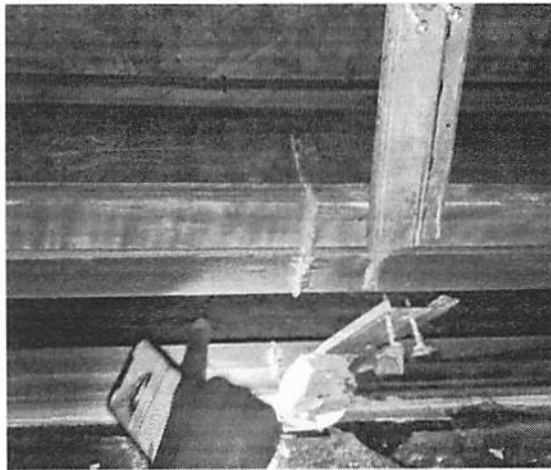
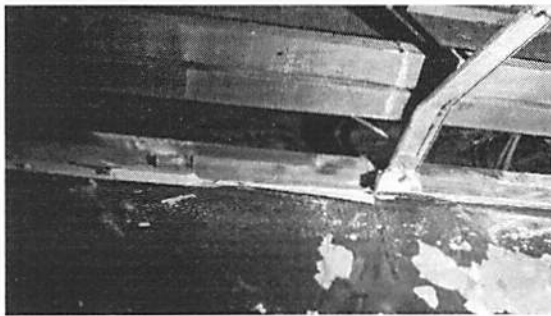


Figure 2: Damaged Wood I-Joists - To be Replaced