

May 14, 2012

VIA EMAIL

Dr. John Ahlemeyer
Gavin School District 37
25775 West Highway 134
Ingleside, IL 60041

Gavin School District 37
Gavin Central School
Roof Truss Inspection

Dear Dr. Ahlemeyer,

Thank you for allowing us to expedite the annual inspections to provide the Board additional information on the condition of the wood truss members. On Saturday May 12, 2012 I walked the attic areas of Gavin Central School along with three of my assistants from Legat Architects. Ralph Ridell represented the School District as an observer and John Frase, representing the Regional Superintendant of Schools.

The purpose of our walk-through was to perform a visual inspection of the wood trusses and to perform a more detailed inspection on a number of trusses in Modules A, B, and C. This is the second truss inspection performed by Legat Architects this year. The purpose of performing two inspections this year is twofold. First, we are making a concerted effort to inspect a greater number of trusses each year to reduce the time period to inspect every truss. Second, we wanted to "jumpstart" the reinspection process and review all the trusses from the initial two inspections after the repairs. The trusses that were inspected are as follows:

- **Module A:**
Trusses 13, 14, 22, 23, 30, 31, 44, 45, 46, 47, 48, 56, 57, 69, 70, 77, 78, 84, 85, 89, 90, 93, and 94.
- **Module B:**
Trusses B6-14, B6-15, B6-18, and B6-19.
- **Module C:**
Trusses 5, 6, 22, 23, 32, 33, 42, 43, 44, 45, 63, 64, 70, 71, 72, 73, 82, 83, 90, and 91.

The truss numbers listed above are from the original truss report and are marked on the trusses in the field. The primary items we were looking for were any type of partial fracture or full fracture, or naturally occurring defects exceeding the allowable defects per the lumber grade in the wood members of the trusses.

Dr. John Ahlemeyer
Gavin School District 37
5/14/12
Page 2 of 2

In Module A, Trusses 45 and 47 were found to have a partial bottom chord fractures. Truss 46 was found to have a full bottom chord fracture at a naturally occurring knot in the lumber. In Module B, Truss B6-19 was found to have a partial bottom chord fracture. We will schedule a meeting with Jon Sfura from WJE and Ralph Schmidt representing the Regional Superintendent of Schools to review the conditions of concern. WJE will then prepare repair details for each of the conditions.

In summary, we are pleased to report that we were able to review 96 trusses made up of approximately 2000 wood members between the two inspections and to review all the trusses from our first two inspections five years ago. The required truss repairs for this and the previous inspection will occur at the end of the school year in June with the School Board's authorization.

Please let me know if there is any additional information that you might require or if a presentation to the board will be needed.

Sincerely,

Ted Haug, AIA

TOH/ch

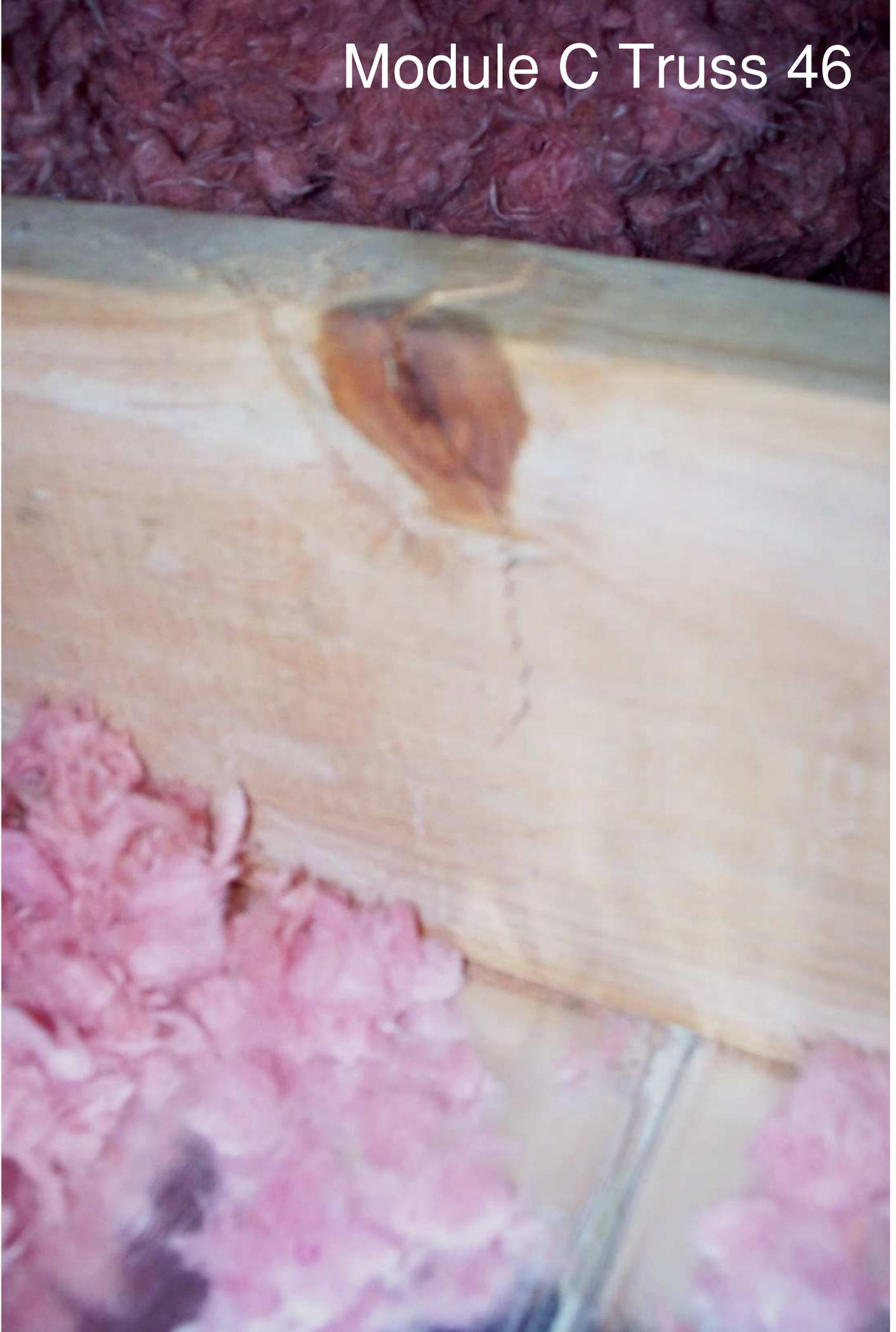
Cc : Steve Wright, DLA
Ralph Schmidt
Jon Sfura, WJE

Attachments: Truss photos

Module A Truss 45



Module C Truss 46



Module A Truss 47





Module B Truss B6-19