

December 23, 2008

VIA EMAIL

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

Dear Dr. Ahlemeyer,

On Monday, December 22, 2008 I walked the attic areas of Gavin Central School along with two of my assistants from Legat Architects, Steve Wright from DLA Architects and Jeff Borst from Pease Borst and Associates structural engineers. Joe Toniolo from WJE engineers, the firm that designed the initial structural corrective work on the school arrived later in the day to review the inspection findings. The purpose of our walk-through was to perform a visual inspection of the wood trusses and to perform a thorough inspection on a number of trusses in Modules A, B, and C. Also, as part of the inspection, the perimeter truss areas were inspected through a number of the previously installed ceiling access hatches. The trusses listed below were thoroughly inspected during this visit and were not the same trusses that were inspected in our previous visits since the repairs were completed.

- **Module C:**
Trusses 12, 14, 25, 34, 41, 47, 51, 57, 72, 79, 90, and 95

- **Module B:**
Trusses B5-3, B5-13, B5-16. Visual inspection of all visible portions of trusses over the Learning Resource Center.

- **Module A:**
Trusses 6, 7, 8, 19, 38, 48, 63, 75, 79, 80, 81, 85, 91, and 96

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 longitudinal or transverse fractures in the wood members of the trusses.

During the inspections, three areas were identified to be reviewed by WJE. In Module A, truss 80 was found to have a bottom chord partial fracture at a knot location with an extended longitudinal crack to the end of the member. Also in Module A, a full bottom chord fracture was found in truss 7 where three knots in the wood were aligned. At both conditions, we performed a thorough inspection of the trusses on either side of the affected truss. Joe indicated that both conditions will require repair work and that the roof structure was safe due to the built in redundancy that was incorporated into the initial repairs. The last area was initially identified by Steve Wright of DLA and were top chord wood checks on trusses 76, 77, and 78 in Module C. Joe indicated that these were naturally occurring seasoning checks and would not require any repair work.

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I have authorized WJE to analyze truss 80 and 7 in Module C and to develop a repair detail for each condition. I have also contacted Boller Construction to let them know that repair work will be required on two trusses and to determine when they would be available to complete the repair work. At this time, they have sufficient manpower to complete the repairs at your and the School Board's convenience and 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
Jeff Borst, Pease Borst Associates
Joe Toniolo, WJE