



## PROGRESS REPORT

### HARDIN COUNTY SCHOOLS JT ALTON MIDDLE SCHOOL – RE-ROOF PROJECT

**Project No:** 201665  
**Date:** August 18, 2016  
**Time:** 6:00 PM  
**Location:** Hardin County Board of Education

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#### TRUSS REPAIR STATUS

The attached updated General Arrangement Roof Plan shows the progress of our Structural Survey and design. The only area not surveyed yet is Area 5C. We'd had to pull off of surveying this area to get other obligations caught up but Corbett has enough to keep them busy. We will make sure that we do not hold up progress and get this area surveyed as soon as possible. Note that the RED lines, on this roof plan, indicate trusses that must be repaired – most of which have substantial repairs.

Corbett has been given the design drawings for Areas 4, 5A and 98% of Area 5B. We have 3 trusses in Area 5B that will be designed by the end of the day tomorrow.

Corbett has completed 6 out of 36 trusses in Area 5A – these trusses are complicated to repair therefore are require more time than previous repairs.

At the direction of Hardin County Schools, Corbett has shifted to Area 4 so that the 2 classrooms, in this area, could be occupied. Corbett reports that Area 4 will take approximately 2 weeks to repair the trusses.

Corbett will go back to Area 5A once Area 4 is complete and inspected.

Corbett is anticipating approximately 90 days to complete what they currently have design/repair drawings for. Although a much smaller area, we know from previous observations Area 5C will have substantial repair work.

#### REROOF UPDATE

Areas 1, 2, and 3 have been released for reroofing.

Only two more nights of tear-off are left. By Saturday all existing tear-off for areas 1, 2, and 3 should be complete.

Roof panels should commence next week. The out-buildings will be the first areas, followed by the front entrance, then the classroom wing.

Contractor is working after-hours and is typically gone from the school by 11 am. All noise operations precede the start of school.

Swift has a mason looking at some corner repairs at the gymnasiums corners. The anchorage is sound.

Metal panels should be completed on Areas 1, 2 and 3 in approximately three week as long as our weather pattern remains normal. Roof deck must be dry before metal panels are installed.

THE SPECIAL INSPECTION AGENCY WILL PROVIDE TESTING AND INSPECTION REPORTS TO THE STRUCTURAL ENGINEER OF RECORD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING AND/OR CORRECTING DEFICIENCIES AS IDENTIFIED BY THE AGENCY. THE CONTRACTOR SHALL COORDINATE WITH THE AGENCY FOR ALL REQUIRED INSPECTIONS AND TESTING. REPORTS WILL BE PROVIDED FOR EACH DAYS INSPECTION. ALL NONCONFORMING ITEMS WILL BE BROUGHT TO THE CONTRACTORS ATTENTION, AND WILL BE RECORDED ON THE INSPECTION REPORT.

VERIFICATION AND INSPECTION		FREQUENCY OF INSPECTION	
		CONTINUOUS	PERIODIC
1. MATERIAL VERIFICATION OF STRUCTURAL WOOD FASTENERS			
A. IDENTIFICATION MARKINGS TO CONFORM TO MANUFACTURER STANDARD FASTENER DESIGNATION		–	X
2. MATERIAL VERIFICATION OF STRUCTURAL WOOD MEMBERS:			
A. WOOD STRUCTURAL PANELS		–	X
B. STRUCTURAL LUMBER FRAMING		–	X
3. INSPECTION OF REPAIR CONNECTIONS:			
A. CONNECTION LOCATION		–	X
B. CONNECTION SHAPE & SIZE		–	X
C. FASTENER LAYOUT		–	X
D. FASTENER SPACING		–	X

	SHEET NUMBER	SHEET NAME
AREA 1	S-100	AREA 1 - PLAN AND TRUSS T4 SCHEDULE
	S-101	AREA 1 - TRUSS T4 DETAILS
	S-102	AREA 1 - TRUSS T5 SCHEDULE AND DETAILS
	S-103	AREA 1 - TRUSS T5 - SIDE A DETAILS
	S-104	AREA 1 - TRUSS T5 - SIDE B DETAILS
AREA 2	S-105	AREA 1 - TRUSS T6 SCHEDULE AND DETAILS
	S-106	AREA 1 - TRUSS T6 DETAILS
	S-200	AREA 2 - PLAN
	S-201	AREA 2 - SCHEDULE AND DETAILS
	S-300	AREA 3 - PLAN
AREA 3	S-301	AREA 3 - TRUSS T8 SCHEDULE AND DETAILS
	S-302	AREA 3 - TRUSS T8 DETAILS
	S-303	AREA 3 - TRUSS T12 SCHEDULE AND DETAILS
	S-304	AREA 3 - TRUSS T12A SCHEDULE AND DETAILS
	S-305	AREA 3 - TRUSS T14 SCHEDULE AND DETAILS
AREA 4	S-306	AREA 3 - TRUSS T15 SCHEDULE AND DETAILS
	S-307	AREA 3 - TRUSS T16 SCHEDULE AND DETAILS
	S-308	AREA 3 - TRUSS T17 SCHEDULE AND DETAILS
	S-309	AREA 3 - TRUSS T18 SCHEDULE AND DETAILS
	S-410	AREA 3 - TRUSS T19 SCHEDULE AND DETAILS
AREA 5	S-401	AREA 4 - PLAN
	S-402	AREA 4 - TRUSS T13A SCHEDULE AND DETAILS
	S-403	AREA 4 - TRUSS T13B SCHEDULE AND DETAILS
	S-404	AREA 4 - TRUSS T9 DETAILS
	S-405	AREA 4 - TRUSS T9A SCHEDULE AND DETAILS
AREA 5	S-500	AREA 5 - PLAN
	S-501	AREA 5 - TRUSS T10 SCHEDULE AND DETAILS
	S-502	AREA 5 - TRUSS T10 DETAILS
	S-503	AREA 5 - TRUSS T20 SCHEDULE AND DETAILS
	S-504	AREA 5 - TRUSS T20 DETAILS
AREA 5	S-505	AREA 5 - TRUSS T21 SCHEDULE AND DETAILS
	S-506	AREA 5 - TRUSS T21 DETAILS
	S-507	AREA 5 - TRUSS T22 DETAILS



# J.T. ALTON MIDDLE SCHOOL TRUSS REPAIR

100 COUNTRY CLUB RD.  
VINE GROVE, KY 40175

PROJECT	2016-1383
DATE	07/28/2016
DRAWN	EAM
CHECKED	MSC

REVISIONS		
No.	Description	Date
1	AREAS 1, 2, & 3 SUBMITTAL	7/28/2016

(OWN ENGINEERING HAS RETAINED AN ELECTRONIC VERSION OF THESE DRAWINGS. THE CLIENT AGREES NOT TO REUSE THESE DRAWINGS IN ELECTRONIC OR ANY OTHER FORMAT. IN ORDER TO REUSE THESE DRAWINGS IN ANY OTHER FORMAT, THE CLIENT MUST FIRST OBTAIN WRITTEN PERMISSION FROM THE ENGINEER. THE CLIENT AGREES NOT TO TRANSFER THESE ELECTRONIC FILES TO OTHERS WITHOUT THE PERMISSION OF THE ENGINEER. THESE ELECTRONIC FILES ARE THE PROPERTY OF THE ENGINEER AND WILL BE DESTROYED WITHOUT NOTICE.)

# GS-000



35 Public Square  
Elizabethtown, KY 42701  
Phone: (270) 737-4226  
Fax: (270) 737-0441

August 3, 2016

Mr. Jack Hodges  
Building Inspector  
Department of Housing, Building, & Construction  
Division of Building Code Enforcement  
101 Sea Hero Road, Suite 100  
Frankfort KY 40601

Case No. 075545-000-A  
RE: **STRUCTURAL REVIEW REPORT**  
**James T. Alton Middle School Truss Repair**  
**Areas 1, 2, and 3 – Safe for Occupancy**  
100 Country Club Rd.  
Vine Grove, KY 40175  
2016-1383

Dear Mr. Hodges,

ICON Engineering has performed Special Inspections of the trusses repaired by Corbett Construction in Areas 1, 2 and 3 as defined by our construction documents. We have provided Special Inspection reports, with relatively minor corrective actions in all three areas, to Corbett Construction. The majority of the issues identified in the reports amount to a missing screw and over tightened screws.

Although the corrective actions identified in the Special Inspection reports must still be completed, it is our professional opinion that the truss systems in areas 1, 2 and 3 are now safe for occupancy given that the likelihood of seeing a full live load in the very near future is extremely low. We will provide updated final Special Inspections reports as soon as Corbett Construction completes the corrective work. It's our understanding that this additional work will be completed after normal school hours.

Please let us know if you have any questions or need further clarification regarding the above.

Sincerely,

A handwritten signature in purple ink, appearing to read 'Michael S. Childers'.

Michael S. Childers, PE  
President/Structural Engineer







# Progress Report

**Client:** Hardin County School District

**Facility:** James T. Alton Middle School

**Report Date:** 08/05/2016

**Roof Section:** Pitched Roof Areas

## Report Data

Title
Progress Report Aug. 5



**Photo 1**

Out building dried in with new underlayment



**Photo 2**

2nd out building dried in with new underlayment



**Photo 3**

Blue metal matches well to new blue metal.



**Photo 4**

Trim metal has begun and is complete on the entrance canopy.



**Photo 5**

New metal trim covering fascia.



**Photo 6**

Plywood in place to protect modbit roof from damage from scaffolding.



**Photo 7**

Air/Vapor barrier has begun to be installed on masonry walls.



**Photo 8**

Note the self sealing adhesive strip and the seam that is caulked at the end of work day to prevent water from getting behind the barrier.



**Photo 9**



**Photo 10**



**Photo 11**

Areas where no counter flashings are present a temporary sealant is installed until wall panels / new trim cover these areas.



**Photo 12**

Sealant around each penetration.



**Photo 13**

Area left to be torn off and underlayment installed.