



## FIELD OBSERVATION REPORT

Lincoln Trail Elementary School, Hardin County Schools, Elizabethtown, KY 201752 -CA8

Date: 3/12/2020

Time: 1:00 PM ET

Weather: 60/overcast

Observed by: Joseph Jones

Report No: 19

Est. Completion: 46%

Present on Site:

Gerald Jones (Superintendent - Alliance Corporation), Concrete Crew, General Trades, Landscapers, Erectors, Masons, Electricians, Plumbers

### 1. Work in Progress

- a. Concrete crew had formed and poured the raked beam at the top of the interior wall above the second floor at the west end of Area C.
- b. Landscapers were seeding and applying straw mulch over the geothermal well field area.
- c. Masons were laying concrete block in Area B on the second floor and Area A in the Cafeteria/Mezzanine.
- d. General trades were setting door frames ahead of the masons work.
- e. Erectors were installing steel framing for the mechanical mezzanine above the second floor at Area C.
- f. Electricians and plumbers were installing rough ins ahead of the masons as they laid the block walls.

### 2. General Observations

- a) The weather was warm and dry. Rain and storms were expected that night. Temperatures were above 40 today and were suitable for masonry work. Warm, wetter weather is predicted for next week. Although there has been noticeable progress, weather has affected progress on the project.

The concrete crew had formed and poured the second raked beam at the top of the wall above the west end of Area C. This will allow the setting of roof trusses over Area C after all of the supporting steel is in place. The stair tread pans had been poured for the main stair in the lobby of Area B.

Landscapers were sowing grass seed and straw mulch over the geothermal well fields and northern area of the site. The work in this area was mostly complete while I was on site.

Erectors were setting steel beams for the mechanical mezzanine above the Area C corridor. There were beginning to set steel above this elevation for the support of the roof trusses. The ships ladder had been installed to the west end of mezzanine.

JRA Architects

3225 Summit Square Place, Suite 200 Lexington, KY 40509  
Tel: 1-859 252-6781 Fax: (859) 255-5483 [www.jrarchitects.com](http://www.jrarchitects.com)

Masons were laying block up in Area B and Area A at the mezzanine above the Cafeteria area. All of the exterior opening noted in my last report had been closed to provide bearings for the roof trusses.

Electricians and plumbers were installing rough ins in walls ahead of the masons laying block. Under the precast planks for the second floor for Areas B and C, they are continuing to hang conduits and piping and extending it through the walls.

Carpenters have set hollow metal door frames ahead of the masonry work. Frames are beginning to be placed on the second floor of Area B on the poured slab.

The mechanical contractor has installed ductwork under the concrete planks in Area C Classrooms and Area B rooms.

The sprinkler installer has been hanging sprinkler system piping from the concrete planks in Area C and B.

The erector was preparing to install the ships ladders to the mechanical mezzanines, the stair in Area B, the roof joists over the Library/Media Center and metal roof decking at the north side of Area B.

- b) The concrete crew had formed the raked beam at the west end of Area C. This will allow the roof trusses to be erected over Area C after the supporting steel is erected.



JRA Architects

3225 Summit Square Place, Suite 200 Lexington, KY 40509  
Tel: 1-859 252-6781 Fax: (859) 255-5483 [www.jrarchitects.com](http://www.jrarchitects.com)

- c) Openings on the north and south side of Area C at the second floor were closed to create bearing for the roof trusses over Area C.



- d) The raked beam at the east end of Area C was ground for the truss outriggers. Some of the cement material flowed down below ceiling height. Gerald and I discussed methods to remove this for a suitable paint finish. The first of the steel columns had been erected that set on the top of the corridor walls for the truss bearing steel.



- e) The steel had been erected to support the mechanical mezzanine over the Area C corridor.





- f) Some of the beam pocket for the mezzanine support steel had to be adjusted. The erector is confirming that the steel is at the proper elevation. The mason will check future beam pockets with a laser level to insure the proper bearing elevation.



- g) The interior block walls for the second floor of Area C are in place. The electrician has installed conduits on the walls and has pulled wire in some cases.



- h) Temporary seals for mechanical opening through the second floor slab in Area C have been replaced with permanent sheet metal seals that have fire sealant applied at the edges. The openings have been capped with sheet metal seals.



JRA Architects

3225 Summit Square Place, Suite 200 Lexington, KY 40509  
Tel: 1-859 252-6781 Fax: (859) 255-5483 [www.jrarchitects.com](http://www.jrarchitects.com)

- i) Good progress is being made on the interior walls, door frames and rough ins on the second floor of Area B.



- j) Good progress is being made on the block wall at the east side of the Cafeteria bordering Area B on the second floor.



JRA Architects

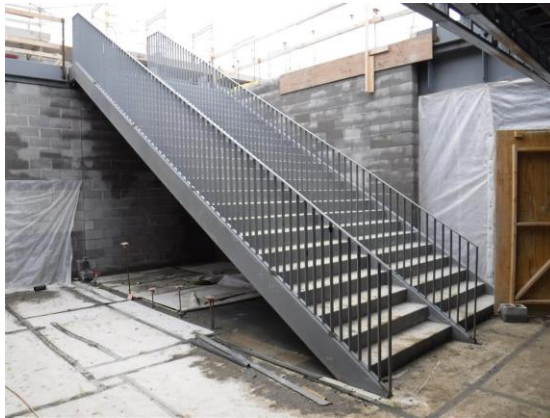
3225 Summit Square Place, Suite 200 Lexington, KY 40509  
Tel: 1-859 252-6781 Fax: (859) 255-5483 [www.jrarchitects.com](http://www.jrarchitects.com)



- k) Steel roof deck and joists has been placed at the north end of the Library/Media Center. This allows for the completion of the framing for the soffits in the Library/Media Center and rough ins below the roof area.



- l) The main stair is in place in the lobby of Area B. The tread pans have been filled with concrete. The steel railing needs to be straightened as the handrail caps are applied.



- m) Above ceiling rough ins are progressing above the first floor ceiling in Areas B and C. These include sprinkler, mechanical, plumbing and electrical work.



- n) Most of the framing for soffits in Area B and C are in place above the first floor. Framers were working in the toilets to complete these.





- o) Unlike East Hardin Middle School, the ground faced block joints at Lincoln Trail Elementary School have struck block and false joints. This gives a very different appearance. These joints were installed per the original specification. Alliance will obtain a price to fill these joints like those at the middle school. The bullnose corners will be created with a special bullnose grinder. This eliminates the very expensive bullnose block but adds the labor of grinding the corners and the replacement of any blocks damaged during the grinding process.



- p) The concrete light pole bases are installed around the site.



- q) Grass seed and straw mulch was being applied at the north end of the site.



JRA Architects

3225 Summit Square Place, Suite 200 Lexington, KY 40509  
Tel: 1-859 252-6781 Fax: (859) 255-5483 [www.jrarchitects.com](http://www.jrarchitects.com)



- r) The concrete repair of the exterior block wall at the end of the toilet plumbing chase has left the wall without brick ties in that area. Ties will need to be added before brick can be laid in this area.



- s) The ground faced block and regular block that out of plane at the center stair was being removed in preparation for the repair to straighten this wall.



### 3. Stored Material:

- a. Electrical conduit and boxes and equipment.
- b. Hollow metal door and window frames.
- c. Concrete block and materials.
- d. Steel mesh and vapor barrier material for the Gym slab.
- e. Steel roof joist and metal roof deck. Steel stairs and ships ladders.
- f. Light gauge steel roof trusses.
- g. Plumbing and mechanical rough in materials and equipment.
- h. Sprinkler piping and fittings.

JRA Architects

3225 Summit Square Place, Suite 200 Lexington, KY 40509  
Tel: 1-859 252-6781 Fax: (859) 255-5483 [www.jrarchitects.com](http://www.jrarchitects.com)

**4. Follow up items:**

- a. Keep as-built locations for site utility work up to date.
- b. Keep as-built locations of plumbing and electrical lines up to date.
- c. Maintain site silt control measures.
- d. Complete the mock wall complete with all materials specified. Determine which trade is installing the sheet metal angles at the windows.
- e. Develop a plan to repair the ground face block.
- f. Develop a plan to repair damage to the floor slabs to be polished.

Follow up by:

☐ Architect, ☐ Owner, ☐ MEP Engineer, ☐ Structural Engineer, ☐ Civil Engineer  
☒ Contractor, ☐ Other

Respectfully submitted,  
Joseph Jones, AIA  
JRA Architects

Cc: 201752, CA8