



## FIELD OBSERVATION REPORT

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

Date: 4/10/2020

Time: 11:30 AM ET

Weather: 45/windy/partly cloudy

Observed by: Joseph Jones

Report No: 20

Est. Completion: 48%

Present on Site:

Fire Protection System Installers

### 1. Work in Progress

- a. Fire protection installers were installing piping on the second floor of Area C.
- b. The other trades had worked 4 – 10 hour days this week and were not on site.

### 2. General Observations

- a) The weather was cool and windy. The site and building were relatively dry. Rain and storms were expected over the weekend with cooler, wetter weather next week. When I contacted Gerald by phone on Monday, he reported that when the weather is dry and warm, the trades make significant progress. He also said due to the concerns about COVID 19, Andrew and Billy are sharing superintendent duties with him to minimize potential exposure on any one staff member to the virus. Gerald said that none of the contractors have stated that the virus has affected their staffing for the project.

Due to travel restrictions, I had not been on site for a month. Work planned during my last visit was mostly complete on this visit. The most visible new work was the erection of the roof trusses over Area C and the roof decking installed on the trusses. Even though the deck does not waterproof the area it does cause some of the rain to shed to the sides of the building. Wood blocking is almost complete at the roof edges for this area. Gerald said that the heavy weekend rains had allowed a significant amount of water back into the building. He has planned to have the roofer to begin installing the metal roof over Area C on Wednesday after a small amount of remaining roof decking is installed. This should dry in most of Area C making work by the mechanical/electrical trades to progress rapidly.

The roof joist and associated angles have been installed over the Kitchen. Gerald plans to have the roof deck and then the low sloped roofing system installed to dry in this space so the masons can lay the interior walls on raining days.

The masons continue to lay the walls in Area B. When the walls are up to roof truss bearing height, the mechanical platform steel and the concrete deck will be installed ahead of the roof trusses and decking. Gerald plans to have all the exterior walls

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sprayed with foam insulation so the masons can begin laying brick which is now stored at the supplier's yard. In conjunction with the brick, the steel lintels will be installed over the openings.

Erectors have installed steel beams for the mechanical platform above the Area C corridor and wall bracing for the interior partitions. Ships ladders had been installed to both ends of the mechanical platforms. The concrete crew had poured the topping beam over the gable at the west side of Area C so the trusses, decking and roofing could be installed.

The mechanical/electrical and fire protection trades continue to install rough-ins. The ductwork installer and the hydronic line insulators have covered their work on the first floor with plastic to prevent water damage to the insulation.

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 fire protection installer was installing piping over the second floor of Area C.

- b) Alliance has placed COVID 19 notices at the construction entrances to the building. Some of the trades have taken extra precautionary steps to avoid infection including additional notices and hand sanitizing stations.



- c) The concrete crew had formed and poured the raked beam at the east end of Area B and at the east wall of the Cafeteria.



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- d) Masons were laying block on the second floor of Area B. Several of the walls were laid up to the bearing height for the mechanical platform and the roof trusses.



- e) The elevator shaft is being laid above the second-floor level. It will need to be capped before the roof trusses area installed. The carpenters need to erect a barrier at the opening.



- f) Currently, the masons are concentrating on the rooms at the west side of Area B and the Computer Classroom.

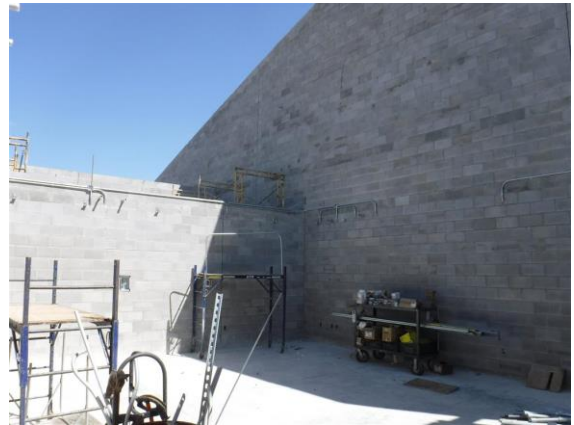


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- g) Generally, the block work in completed room in Area B has been cleaned and detailed and looks good.



- h) Plumbing rough-ins have been installed ahead of blockwork in Area B.



- i) The exterior walls for the Cafeteria and the Gym have not been laid to allow access to the areas and because the masons are concentrating on the second floor of Area B.



- j) Steel roof joists have been installed over the Kitchen. Once steel angles are welded into place, the roof deck and then the roofing can be installed. This will allow the Kitchen to be dried in so the masons can lay the interior walls on rainy days.



- k) The masons continue to complete the tallest walls around the mechanical platform between the Gym and the Cafeteria.



- l) The concrete beam supporting the block above the loading dock and the concrete dock are in place. Supporting steel and the roof deck and roofing will installed next.

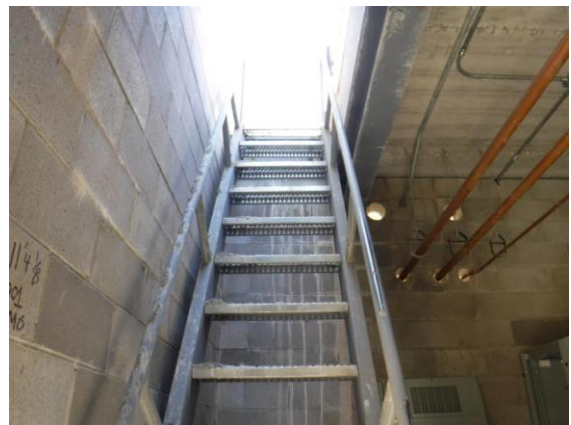


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- m) Most of the major electrical enclosures in the Mechanical Room are in place along with the wiring feeding these devices. The ships ladder to the mechanical platform is in place.



- n) Wood blocking is being installed around Area C in preparation for the installation of the metal roofing and trim.



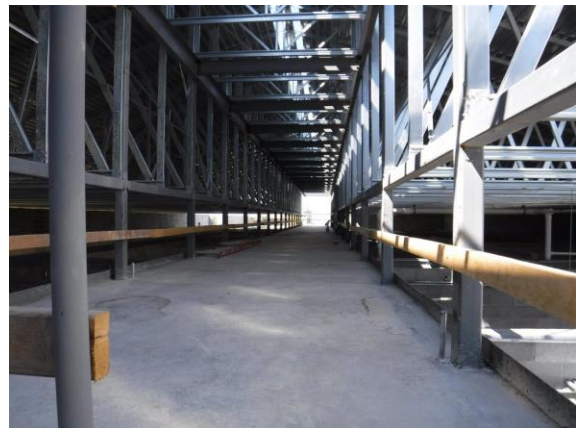
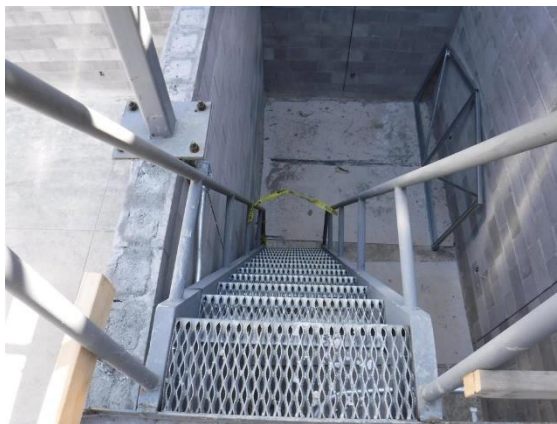
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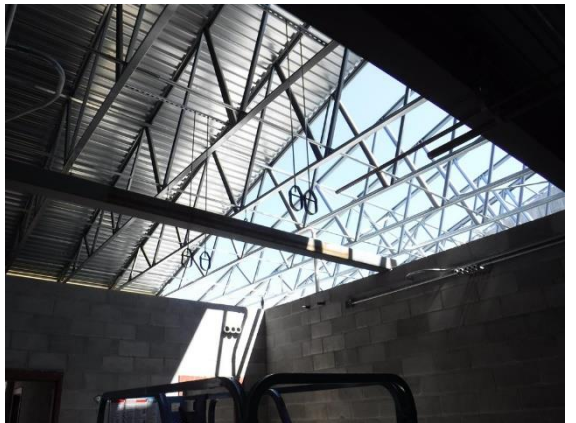
- o) From a distance, the roof deck over Area C is visible. Some decking and wood blocking at the east end remain to be completed.



- p) The ladder and the mechanical platform serving Area C are in place. Access from the platform to heat-pumps serving the classrooms and other spaces will be readily available.



- q) Most of the roof decking is in place over Area C except at the east end. The light gauge metal trusses are in place and generally appear to be straight. The roofer needs to evaluate the roof deck for it providing a proper substrate for the metal roofing.



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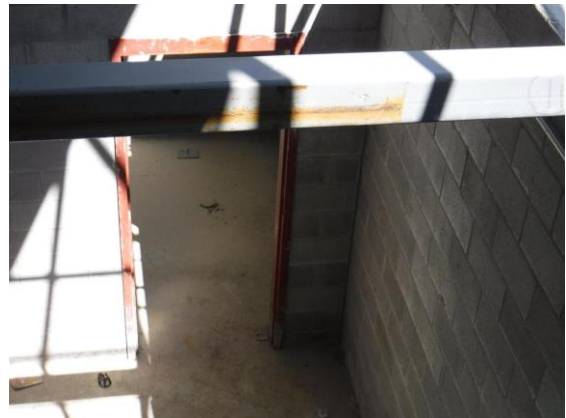
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- r) From the mechanical platform there is a good view of the light gauge roof trusses and the bottom of the roof deck. From this vantage point these appear to be properly installed.



- s) Steel tube seismic bracing connects the tops of the walls above Area C. Where the primer has been scraped, the rust needs to be removed with a wire brush and touch up primer applied.

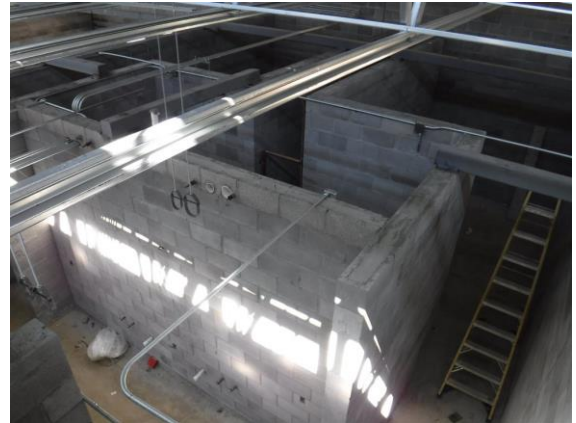


- t) On the day of my inspection, the second-floor rooms in Area C were mostly dry.





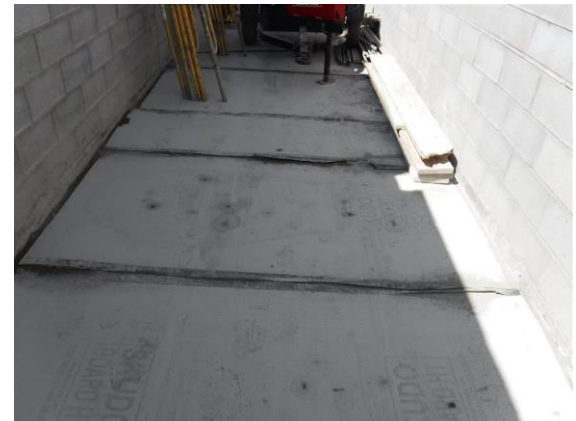
- u) From the mechanical platform, electrical rough-ins are visible on the platform and to the rooms below.



- v) From the mechanical platform, the work on the second-floor block walls is visible.



- w) Due to the recent severe weather, some of the Skudo board protection system on the second floor has been dislodged and needs to be repaired as soon as possible.



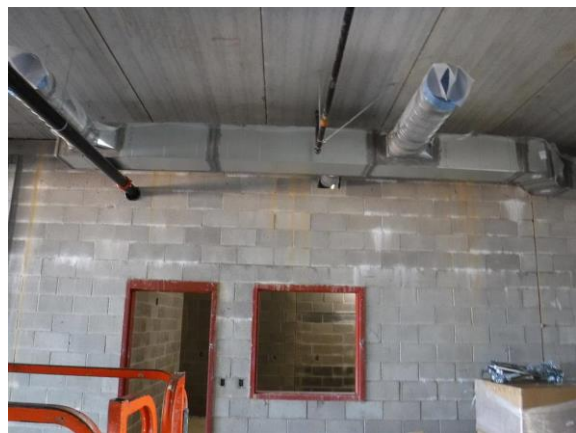
- x) Ground faced soaps were being placed over block under Stair ST-B.



- y) The soffit framing at the main entrance had been damaged, probably by a lift. This needs to be repaired.



- z) Until the building is dried in, we will continue to see staining of the masonry. When the walls are dry, these stains need to be completely removed so the paint finish is not affected.





- aa) Overall, the final form of the building is taking shape. The installation of the roofing and brick in what should be prime construction weather will start to define the final appearance of the building.



**3. Stored Material:**

- a. Electrical conduit and boxes and equipment. Site light poles.
- 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.
- f. Light gauge steel roof trusses and roof decking.
- g. Plumbing and mechanical rough in materials and equipment.
- h. Sprinkler piping and fittings.

**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