FIELD OBSERVATION REPORT

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

Date: 2/11/2020 Time: 13:00 AM ET

Weather: 39/overcast

Observed by: Joseph Jones Report No: 17

Est. Completion: 42%

Present on Site:

Gerald Jones (Superintendent - Alliance Corporation), Concrete Crew, Masons, Metal Stud Framers, Electricians, Plumbers

1. Work in Progress

a. The concrete crew was preparing for the next topping pour over the concrete planks on Area B.
b. Masons were laying concrete block in Area C on the second floor and Area A in the Kitchen/Cafeteria and the Gym.
c. Metal stud framers were installing soffit framing at the entrances to the toilets in Area B.
d. Electricians and plumbers were installing rough ins ahead of the masons as they laid the block walls.

2. General Observations

a) The weather was cold and damp. Rain from the weekend and Monday had left the soils wet and muddy and ponding on the slabs. Temperatures were near 40 today and were suitable for masonry work as long as specified cold weather procedures were followed. This week the forecast is for mostly wet weather until the weekend. Drier weather is predicted for next week. Although there has been noticeable progress, weather has affected progress on the project.

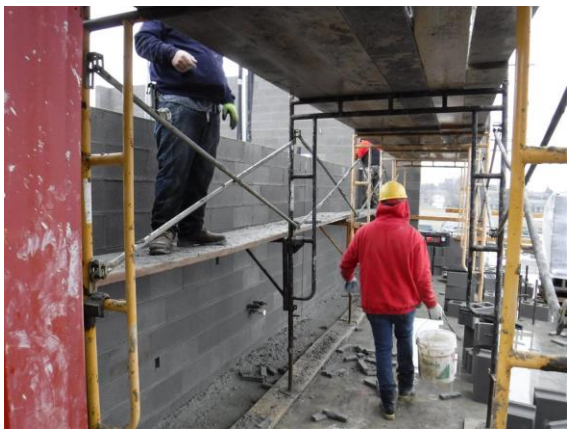
The concrete crew was cleaning the planks and laying wire mesh in preparation for pouring topping slabs in Area B in two areas.

Masons were laying block up in Area C for the classroom walls and were grouting the east exterior wall. They were also laying block in the Kitchen./Cafeteria and the Gym. It appears they will be topping out all of the walls in Area A in the near future. As the topping slabs are completed and reach strength, block can be topped out in all areas.

Electricians and plumbers were installing rough ins in walls ahead of the masons laying block. Under the precast planks that are in place 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 set in place on the second floor of Area C on the poured slab.

b) Masons were laying block on the second floor dividing walls between classrooms for Area C. They had also laid exterior walls on the second floor of Area C and were grouting the east exterior wall.



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c) Mason helpers were cleaning the slabs in the second floor Classrooms after the walls were topped out.

d) From the second floor, all of the precast concrete planks are in place and are being readied for the topping slab .

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e) Floor openings at the second floor were framed with steel tubes. The topping slabs will pour to the steel.



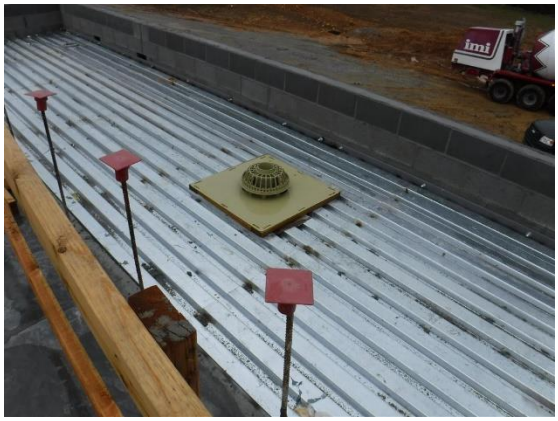

f) Steel diamonds were in place at the topping slab edges from the previous pours.


g) From the second floor, this is the view of the exterior walls at the Kitchen/Cafeteria were topped out at several locations. The mechanical mezzanine is visible in the foreground of the image on the left.


h) The exterior concrete block walls for the Gym as viewed from the mechanical mezzanine and the rear of the second floor.


i) As the second floor slabs are completed, the steel bar joists have been put into place for the roof area that covers the first floor.


j) Steel roof deck and roof drains are in place over a portion of the preschool rooms below.

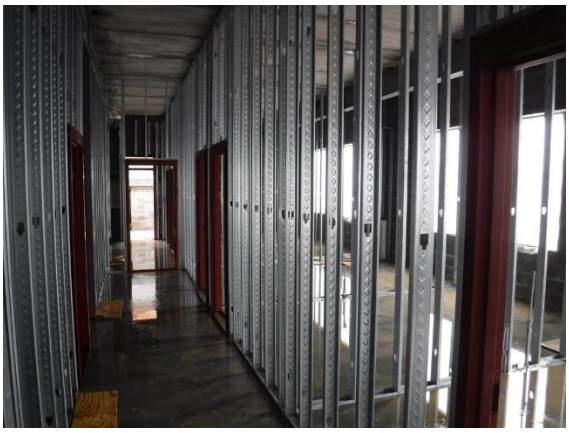


k) From the ground at Area C, the full height of the block has been laid to the roof bearing elevation. Note the brick ties in place at the required spacing.

l) Metal wall studs and hollow metal frames have been installed in the administrative area.

m) Detailing of the metal studs around the hollow metal frames at the slab appears to be per the specifications. Double studs were used at jambs. A check of the frames, demonstrated that they were rigidly in place. Slip track was used at top of studs.



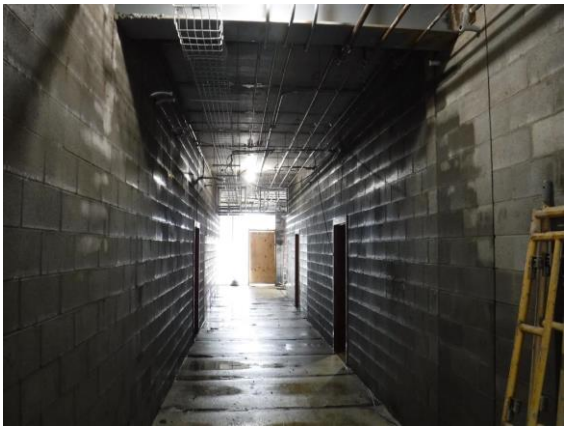



n) Metal furring at the required spacing had been installed over block walls.


o) Metal stud soffits were being installed at the entrances to the Toilets in Area B. Other soffits had already been installed.

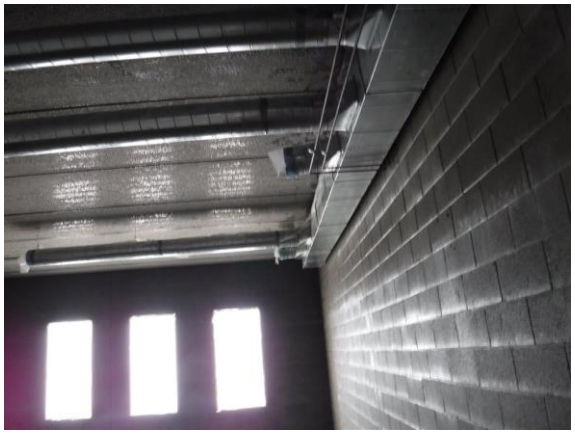
p) The floor opening and cross corridor beams are in place at the lobby and south to north corridor.

q) Due to the excessive amount of rain, water from the second floor slabs is being directed into the floor areas and the block walls on the first floor. This is causing staining elements in the block to leach out. These will need to be cleaned when the building in enclosed.

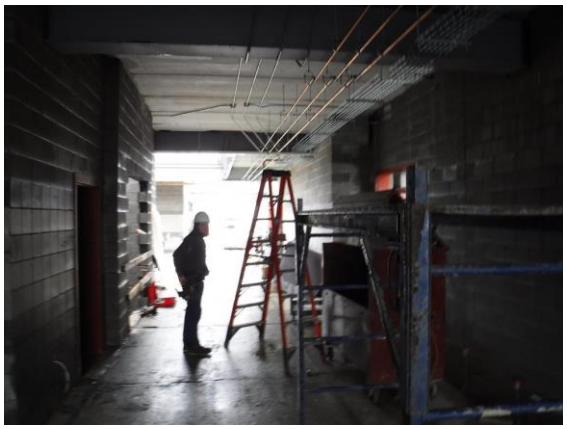


r) The concrete planks above the first floor are dripping water and the first floor slabs are retaining water. The bulk of the water coming into the first floor is from the mechanical penetrations trough the concrete planks. The water is trapped in the rooms by the raised Skudo protection board system in the corridors.

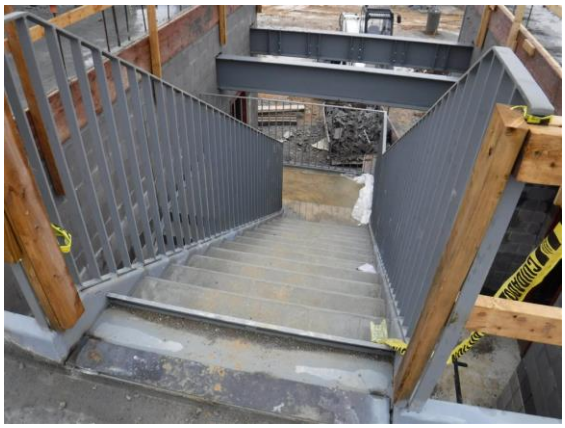
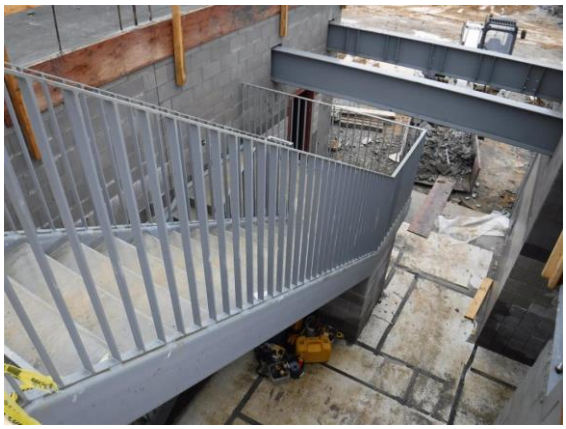
s) Ductwork had been hung in the Area C Classrooms. Even though the area is enclosed and more ductwork could have been installed, the mechanical contractor was not on site while I was there. Gerald reported that the sprinkler contractor also needs to be on site installing their piping.



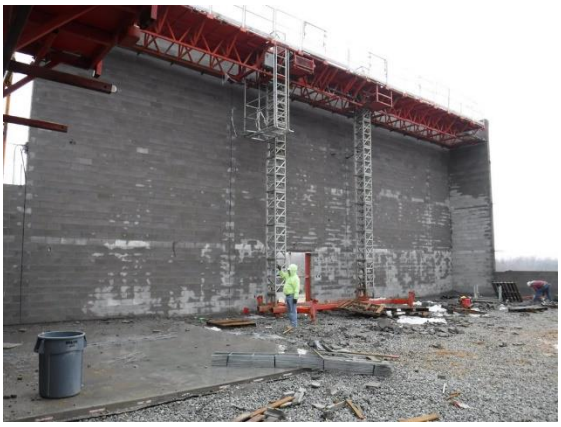
t) The electrician and plumber were on site and were installing overhead rough-ins in Area B and C.

u) The steel stairs and railings are in place in Area B. Since they are exposed to the elements until the roof is in place, these need to be monitored for rust. Missing primer needs to be replaced and any rust that is discovered needs to be removed as soon as possible.

v) The exterior block walls for the Gym are being laid up to roof bearing elevation.

w) The Kitchen/Cafeteria walls were being laid for the exterior and the interior.

x) The emergency generator is in place.

y) The block at the exterior of the Kitchen is at roof bearing height.

3. Stored Material:

a. Electrical conduit and boxes.
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 for the Gym and Kitchen and roof areas.
f. Light gauge steel roof trusses.
g. Plumbing and mechanical rough in materials.

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