



FIELD OBSERVATION REPORT

Revised

East Hardin Middle School, Hardin County Schools, Elizabethtown, KY 201752.01 -CA8

Date: 4/10/2020

Time: 1:00 PM ET

Weather: 50/windy/party cloudy

Observed by: Joseph Jones

Report No: 20

Est. Completion: 43%

Present on Site:

No trades were on sight today.

1. Work in Progress

- a. When I talked to Doyle on Monday, he said that all trades are working 4-10 hour days.

2. General Observations

- a) The weather was cool and windy. Rain and storms were predicted for the weekend. Wetter and colder weather is expected next week.

Due to travel restrictions due to COVID 19 directives, I had not been on the site in a month. There were no trades on site while I was there. All trades are working 4-10 hour days and my visit was on a Friday.

I called Doyle on Monday. He said that he had not been on site for two weeks due to health concerns with the COVID 19 virus. He said Billy and Andrew were sharing the superintendent duties while he was away from the site. He did not report any decrease in staffing by the trades as a result of the quarantine.

The masons have made progress over the last month, but they continue to control the schedule for the project. For the most part, all the other trades need block walls in place to do their work. It appears that the other trades quickly move into areas to install their rough-ins when walls and overhead structure are in place.

The encouraging thing to see was the precast concrete planks setting on the tops of the first-floor walls for Area B. The edge of the slab to be poured on the planks has been formed. Doyle said that the slab will be poured this week. The masons continue to lay block in Area A to the front of the building so that planks can also be installed in that area when they are completed. Area D has high walls that are being topped out which will prepare them for roof joist or trusses, then roof deck and eventually the roofing system.

The steel erector has been installing stairs to the second floor of Area B and steel beams across Area A walls as they reach strength.

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The general trades contractor and electrician have been installing door frames and electrical rough ins ahead of the masonry work. The electrician has installed the cable tray under the planks over Area B. The plumber has installed his rough-ins in Area A ahead of the laying of block walls.

The concrete contractor has poured the loading dock and steps behind the Kitchen.

Electricians have been installing rough ins in the walls ahead of the masons in Area A.

The site contractor has placed gravel for the parking lots to the north of the building.

- b) Alliance has placed COVID 19 notices at the construction entrances to the building.



- c) Gravel has been placed for the parking lots to the north west of the building. This will be available as a laydown area for materials such as the roof trusses.



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- d) The classroom window in Area B has been covered with precast concrete planks. The edges have been prepared for the pour of the concrete slab over the planks. With no work underway, there was no access to the second floor. Ladders had been removed and the stairs were not ready for traffic.



- e) The concrete planks are visible from below. Note that the electrician has already installed the cable tray to the planks in the corridor.



- f) Spray foam insulation has been placed in the joint between the tops of the block and the planks to stop cement runs during the slab pour. This material will need to be cut back since it is a flammable and cannot be exposed in the plenum.



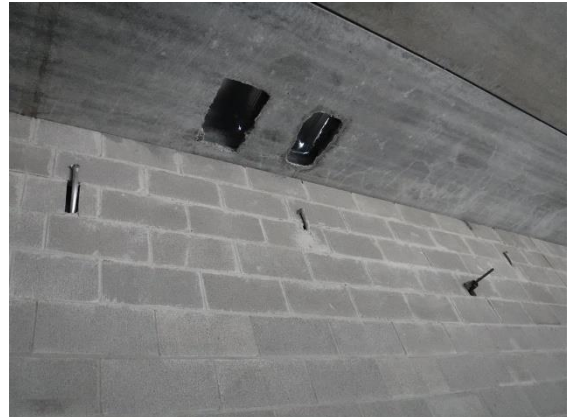
- g) The upper run of steel stair ST-E to the second floor of Area B is in place.



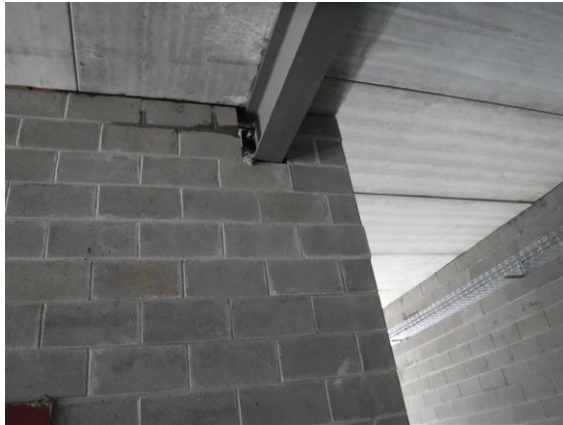
- h) Prefabricated steel ductwork is stockpiled in Area B to be installed to the bottoms of the planks.



- i) Openings for mechanical ducts are in place in the walls and the planks. The openings in the planks are covered with sheet metal closures.



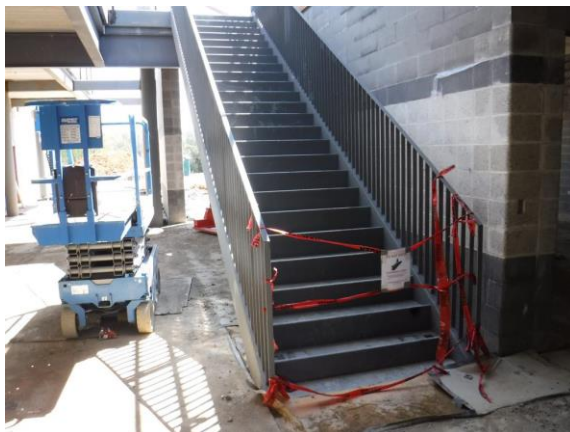
- j) The steel beams supporting the planks set on the block walls. In some cases, damaged block may need to be replaced.



- k) Steel framing on steel columns are in place in the main corridor in Area B.



- l) Stair St-C is in place but will not be open for construction traffic until concrete is placed in the tread pans.



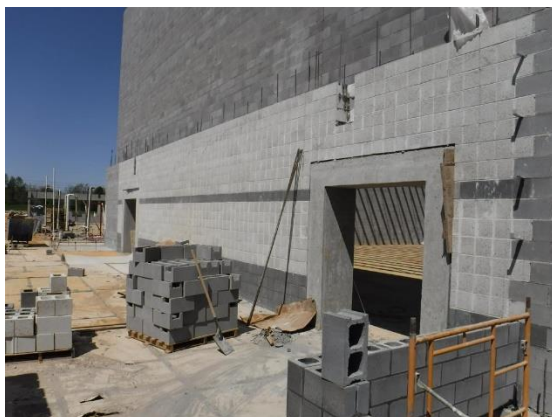
- m) Looking west along the main corridor, block walls in Area are visible all the way to the west side of the building.



- n) In areas where the ground faced block has been cleaned, the walls look good.



- o) The ground faced block at the entries into the Gym looks good. It appears that the control joints above the concrete portals are properly located.



- p) The hollow metal frames for the doors and windows into the Cafeteria are in place for block after the walls are laid in Area A and D.



- q) With little work being done in the Gym, the slab has stayed relatively clean.



- r) Due to the amount of construction traffic across the Cafeteria slab, this area has a considerable amount of mud that should be cleaned as soon as possible.



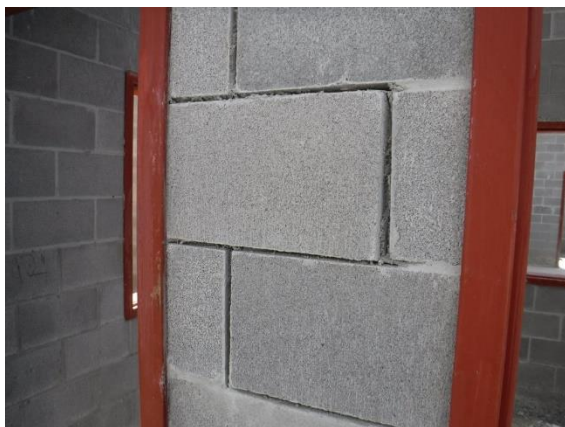
- s) The high walls in Area D are being laid up to roof bearing elevations.



- t) Most of the walls in Area D are either topped out or are nearing topping out.



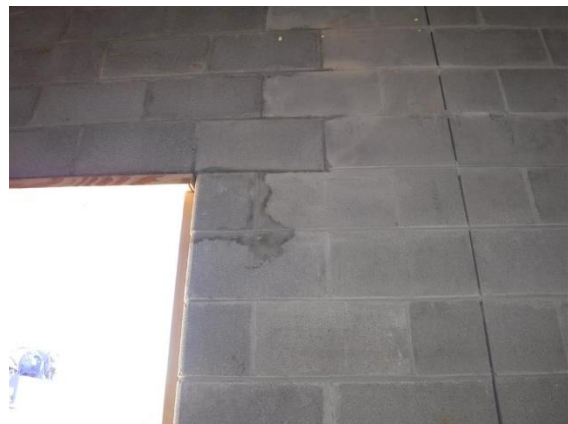
- u) Masonry repair work is ongoing. Mortar drips need to be removed from hollow metal frames.



- v) Doyle has told the masons that cement matching block textures must be used for repairs to chipped block faces.



- w) The locations where the masonry window openings were corrected are very noticeable especially on the exterior side. Even though these will be covered, the block and mortar joints must be repaired so they provide continuous bearing for the loads above. On the interior, these areas must be repaired so they are indistinguishable from the other block. I am not sure that this is currently the case.



- x) Installation of the classroom walls in Area A is critical to the overall schedule. A considerable amount of progress has been made, but much remains to be done. Walls in the east classroom wing are at plank bearing elevation. Walls in the west classroom wing are nearing that elevation. When all of the walls are at plank bearing, the planks are installed, and the slabs poured the walls on the second-floor of Areas A and B can be laid.



- y) Care needs to be taken to not damage the top edges of the ground faced block. Avoid laying materials against the top edge such as scaffolding and pipes.



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- z) The Skudo protection system has been damaged by winds and needs to be repaired as soon as possible.



- aa) Viewed from a distance, one can see that a lot of work has been done but a lot of work remains to be completed.



3. Stored Material:

- a. Block, mortar and masonry materials.
- b. Hollow metal door and window frames.
- c. Plumbing piping and accessories.
- d. Conduits and electrical boxes and rough in materials.
- e. Reinforcing bars and wire.
- f. Galvanized steel imbeds.
- g. Storm sewer fittings.
- h. Mechanical and electrical equipment.

4. Follow up items:

- a. Maintain the Skudo system so that it protects the corridor slabs.
- b. Verify that the bearing elevations for concrete block wall are per the drawings. Doyle said that the mason will use laser levels to insure bearing elevations. Confirm that this is the case.

Follow up by:

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

Respectfully submitted,
Joseph Jones, AIA
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Cc: 201752.01, CA8