



FIELD OBSERVATION REPORT

Revised

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

Date: 2/11/2020

Time: 1:00 PM ET

Weather: 40/overcast

Observed by: Joseph Jones

Report No: 17

Est. Completion: 38%

Present on Site:

Doyle Gibson (Superintendent - Alliance Corp.), Masons, General Trades, Electricians

1. Work in Progress

- a. Masons were laying block in Area B and D.
- b. General trades were installing hollow metal door frames as the masons laid up block walls.
- c. Electricians were installing rough-ins as the masons laid up block walls. They were also installing cable trays in Area D.

2. General Observations

- a) The weather was seasonably cool. Rain from the proceeding weekend and Monday had left the soils wet and muddy and ponding on the slabs. Temperatures were above 40 and were suitable for masonry work as long as specified cold weather procedures were followed. The weather is predicted to be mostly wet and cool until Saturday. Drier weather is expected next week.

Crews of masons and their helpers were laying block walls in Area B and D. Doyle reported, that the numbers had been down recently but back to up today. With the mezzanine slab in place around the Gym, the emphasis in Area D is to extend the surrounding walls up to roof bearing height. They were also extending classroom block walls up to the concrete plank bearing height in Area B.

Depending on the weather, the plan is to be ready to lay precast concrete planks on the first floor classroom walls in Areas A and B next month. The middle school is a large structure with block walls spread over the footprint. With a sufficient force of masons and their helpers, masonry work can be performed in several locations at the same time. To be able to make acceptable general progress, more masons and their helpers are needed on site. The masonry contractor needs to make every effort possible to adequately staff the project and to keep these workers on site until all of the masonry work is complete. The masonry work is the critical path of the schedule and drives the schedule until the end. The time lost now by slow masonry work will be difficult to make up by the other trades all the way until the end of the project.

Electricians were installing rough ins in the walls ahead of the masons. They were also installing cable trays in the corridors of Area D.

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- b) Concrete block walls are being laid for the classrooms on the first floor in Areas B.



- c) As the Classroom walls are being laid, the data/power boxes for the TV monitors and the teacher's stations are being placed in the walls. The location of the teacher's station box is affected by the window location. In one case, the box is to the left side of the window to avoid having it too close to the corner of the room. Doyle said the locations of the boxes have been coordinated with HCS.



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- d) Doyle said the HCS wanted the TV monitor box located in the center of the Classroom wall. The boxes in place appeared to be close to the center of the walls.



- e) Concrete block walls were being laid to the south of the fire wall for the Low Incidence Classroom.



- f) Concrete block walls had been laid up to the first grout lift for the Classroom walls in Area A.



- g) The top layer of the Skudo protection board had blown up from the high winds experienced the night before. Doyle said that he had contacted Wittenberg to return to the site to make repairs. This occurred in spite of having concrete block located on the system.



- h) The south wall of the cafeteria and some of the walls in Area B have been laid up to bearing elevation.



- i) The recessed Gym slab is holding water from the recent rains. The slab has not been completely cleaned due to the water.



- j) Block was being laid on the mezzanine to the west of the Gym.



- k) Electricians were installing cable trays in the corridors in Area D.



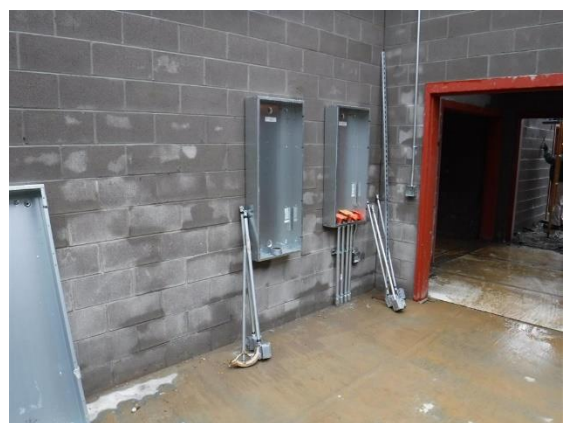
- l) Block was being laid in northern portion of Area D at the Band Classroom, and adjacent rooms.



- m) The masons are using Hydrolifts for the high walls above mezzanine.



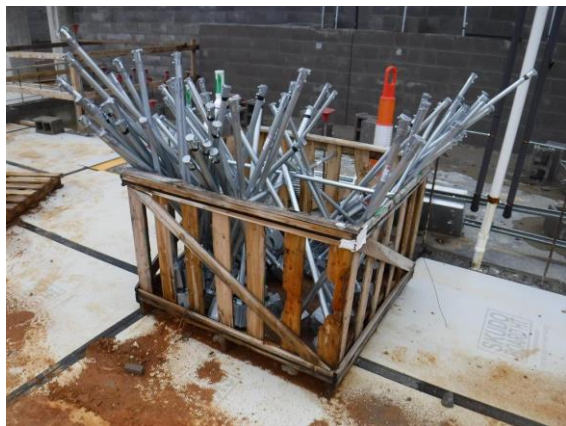
- n) Electrical rough ins have been started in the Mechanical Room.



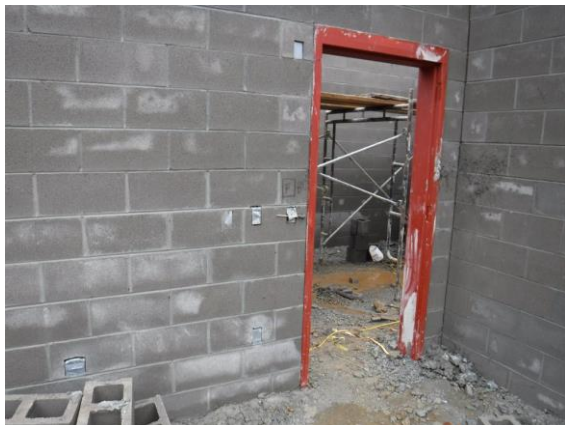
- o) The Skudo protection board system has been installed over the slab in the corridors under the mezzanine.



- p) The plumber has installed their rough ins ahead of the block walls. The high winds the night before had knocked one of these down. The electrician has prefabricated his wall box/conduits to place in the block walls as they are laid.



- q) Electrical back boxes are located near room entry doors. The block is generally cut tight to the boxes and should be covered with the finish plates when they are installed. The hollow metal door frames are being installed as the walls are laid up.



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- r) Masons were tooling block joints as they were laid. These are generally acceptable. The normal amount of repairs will need to be made in the final cleanup of the walls.



s) 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.

t) Follow up items:

- a. Develop a plan to repair slabs that are scheduled to be polished and submit to all for approval.
- b. Preparations for mockup slab and color options. The mockup wall must have all components indicated on the drawings for the wall and all components for the actual walls in the building. This is to allow JRA to review compliance with the details of construction of the wall.
- c. Maintain the Skudo system so that it protects the corridor slabs.
- d. Verify that the bearing elevations for concrete block wall are per the drawings.

Follow up by:

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

Respectfully submitted,
 Joseph Jones, AIA
 JRA Architects

Cc: 201752.01, CA8

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