



## FIELD OBSERVATION REPORT

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

Date: 8/14/2020

Time: 11:00 AM ET

Weather: 80/overcast/rain

Observed by: Joseph Jones

Report No: 29

Est. Completion: 63%

Present on Site:

(Billy Parson had not arrived on site from LTES. Doyle was off today.) General Trades, Masons, HVAC Installers, Electricians, Fire Suppression System Installers

### 1. Work in Progress

- a. General Trades were installing plastic at the windows .
- b. Masons were grouting walls in Area A. They were also laying block in the Kitchen.
- c. HVAC installers were installing ductwork.
- d. Electricians were installing conduits in block walls as they were being laid by masons.
- e. Plumbers were installing rough-ins for the first floor toilets.
- f. Fire suppression system installers were installing rough-ins.

### 2. General Observations

- a) The weather was overcast and raining when I arrived on site. Rain was predicted for the rest of the day, and then for the weekend. The weather next week is expected to be cooler with thunderstorms possible on some days. Workers were either working out in the rain or in the few dry areas in the building that they could find. The Skudo board system was floating in several areas. The system tends to dam up water in rooms after it has entered the building.

The masons were laying block in the Kitchen. They were grouting the walls in the front classroom wing on the second floor. They had laid brick on the back side of the classroom wing in Area B.

The general trades contractor was installing plastic sheets at the windows to keep the rain from entering the building.

Electricians were installing conduits as block walls were laid. They continue to install conduits in the first floor of the classroom wings and the second floor ahead of the blockwork. They were working ahead of the blockwork in Area B and the Kitchen.

The plumbers have been installing the overhead domestic water piping in the classroom wings on the first floor.

HVAC installers have been installing ductwork on the first floor in the classroom wings.

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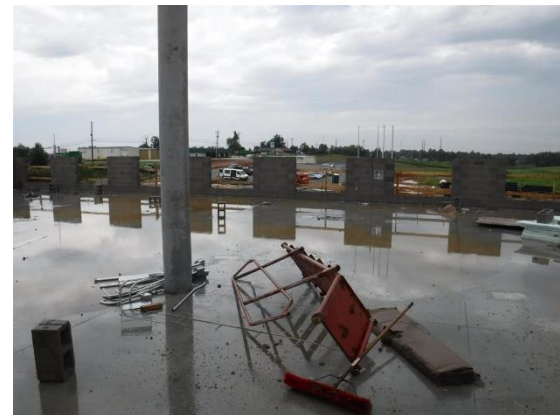
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Fire suppression system installers were roughing in piping on the first floor.

- b) The three classroom wings are approaching top of wall heights with the wing in Area B at the back of the building the closest to being able to receive roof trusses.



- c) Most of the remaining blockwork is at the front of Area A on the second floor including the completion of the classroom wing and the Library/Media Center interior and exterior walls. They were grouting the classroom wing walls while I was on site. I have not heard an update from Doyle about the reconstruction of the piers at the LMC exterior.



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- d) Masons had begun laying brick on the back of the Area B classroom wing. They were not present in this area while I was there due to the rain. The brick is almost up to the first floor window heads.



- e) Masons were laying block at the office area and dry food storage room in the Kitchen since it was out of the rain.



- f) The block and slab overpour at the main entrance had been removed in preparation for the installation of the block per the structural detail.



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- g) The mechanical, plumbing, electrical and fire suppression contractors continue to install rough-ins in above ceiling spaces that are available.



- h) Metal framing has been installed down the main corridor for soffits.



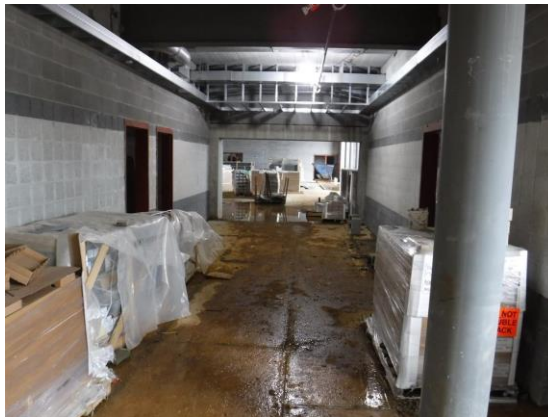
- i) In the Progress Meeting, GBMC discussed their proposal to offset and run their piping through the classrooms. Now that the soffit framing is on place, it appears that there is room to run this piping in the soffit. This is being verified by the mechanical contractor.



- j) The spray foam insulation needs to be repaired above the soffit at the loading dock.



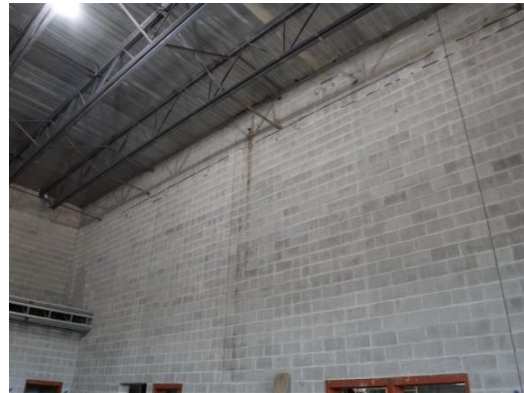
- k) On a wet day like this one, water is in spaces that have been recently fairly dry such as the Cafeteria. They are in the process of applying plastic over the window openings. This needs to be done in the Cafeteria.



- l) In spite of the rain, the Gym was drier than I have recently seen. Alliance had provided a sump pump shop vacuum and it had removed the water to the lowest level it could pump. There are areas where the floor is completely dry. They had sandbagged the door openings and the roof is now dried in. Very little water was getting in while I was there.



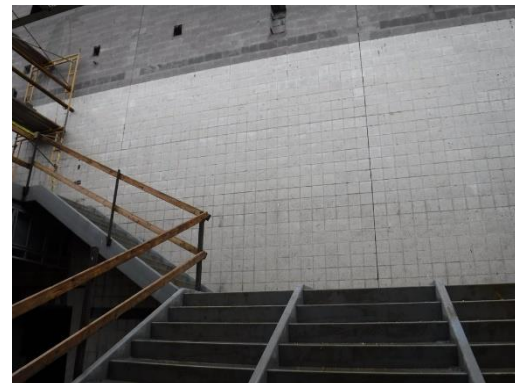
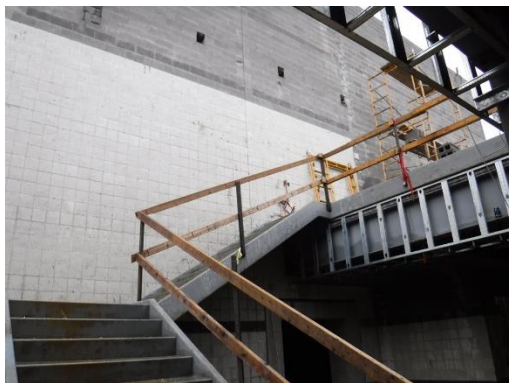
- m) Asphalt from the roof ran down the block wall in the Cafeteria. The roofer needs to clean this off of the block so it does not show when the wall is painted.



- n) In the Mechanical Room, drywall partitions have been extended up to the roof. The door on the mechanical platform was relocated to facilitate the removal and installation of equipment on the platform. A proposal is being considered that will add a slab over the double door recess and a beam for a chain hoist to lift the equipment on and off of the platform. Doyle reported on the discussion in the progress meeting about the supports for the piping out of the room to the platform. There are supports on the platform but the roof trusses over the room cannot support the pipes from the room to the supports. Mike Childers is reviewing a solution to this issue.



- o) Splatters on the ground faced block at the central stair need to be removed.



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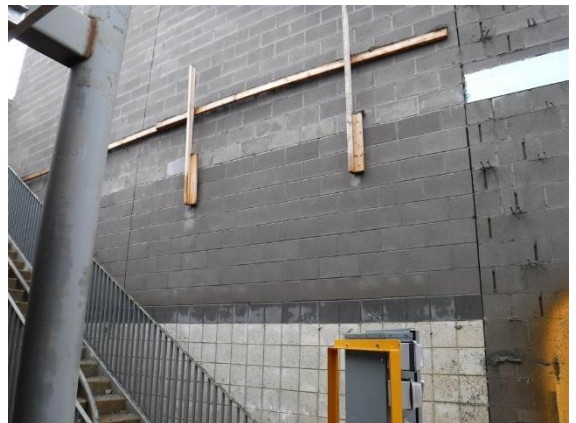
- p) The classroom wings are approaching completion. Window closure angles and lintels are in place. The brick below the base flashing has been laid, sprayed insulation is up to the tops of the first floor window openings,



- q) Even on a rainy Friday afternoon, there were a number of vehicles in the contractor parking area. Some workers were working out in the rain.



- r) The two story high walls in the floor openings have been corrected so only block is showing. The concrete slabs were cut back and block soaps laid to correct this condition.



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- s) The exit stairs at the ends of the classroom wings in Area A have been installed.



- t) Steel framing for the mechanical platforms has been installed over Area B.



- u) Seismic wall bracing has been installed over the second floor classrooms in Area B.



- v) Even though several reports have cited steel members that have considerable rust and mud on them and I was told this would be corrected, I saw many places where soffit framing is now covering the structural steel. These members must be wire brushed and the primer repaired before drywall is installed.



- w) Some of the window openings have plastic over wood frames to keep water out of the building. Some of the plastic is torn. A effort must be made to keep these openings sealed an water out of the building.



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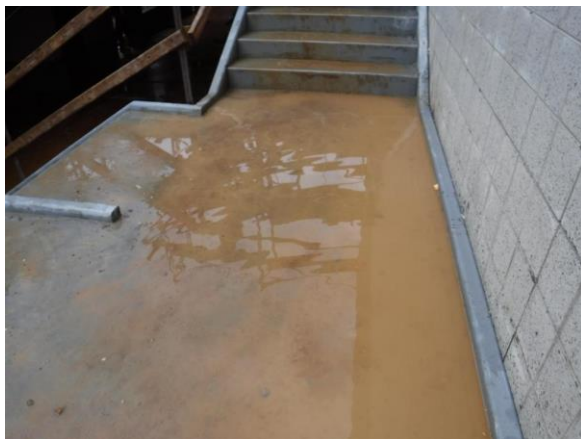
- x) There was enough rain that the top layer of the Skudo system was floating on the water. Keeping this system in place in an open building is difficult under the conditions you would expect to have during construction,



- y) The fire suppression contractor was installing piping on the first floor.



- z) The landing of the central stair was holding a considerable amount of water toward the wall.



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**3. Stored Material:**

- a. Block, brick, stone, 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. Mechanical equipment.
- f. Light gauge framing.
- g. Sprinkler piping and fittings.
- h. Roofing materials.

**4. Follow up items:**

- a. Maintain the Skudo system so that it protects the corridor slabs.
- b. Clean mud and rust off of steel, and reprime areas where the primer was scraped off of the steel.
- c. All trades shall keep the building and site clean by properly disposing all bottles, bags, wrappers, trash, debris, etc.
- d. Verify service access for heat pumps on the mechanical platform around the Gym.
- e. Determine structural supports for the piping from the Mechanical Room to the platform above.

Follow up by:

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

Respectfully submitted,  
Joseph Jones, AIA  
JRA Architects

Cc: 201752.01, CA8