



FIELD OBSERVATION REPORT

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

Date: 12/30/2019

Time: 11:30 AM ET

Weather: 45/Cloudy/Breezy

Observed by: Joseph Jones

Report No: 14

Est. Completion: 35%

Present on Site:

Andrew Bolton (Acting Superintendent - Alliance Corporation), General Trades, Masons, Electricians, Plumbers, HVAC Installers

1. Work in Progress

- a. General trades carpenters were setting hollow metal door frames ahead of masonry work.
- b. Masons were laying concrete block in Area A and B on the first floor.
- c. Electricians and plumbers were installing rough ins ahead of the masons as they laid the block walls.

2. General Observations

- a) The weather was cool, dry and breezy. Rain from Sunday had left the soils wet and muddy and ponding on the slabs. Temperatures were 40 and above today and were suitable for masonry work as long as specified cold weather procedures were followed. Christmas week was unseasonably warm and was also dry. This week the forecast is for wet weather after New Year's Day. The weather is predicted to be rainy with seasonable temperatures next week.

Masons were laying block up to precast plank bearing elevations in Areas A and B. Temperatures were suitable for masonry work even though the wind made it feel cooler to the workers. After the block is up to plank bearing elevation, steel beams will be set across corridors and open rooms to carry the planks. After the block reaches structural strength in about 2 weeks, the concrete planks will be put into place.

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 beginning to hang conduits and piping and extending it through the walls.

Carpenters were setting 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.

As the slab reaches strength, masonry work can be laid on the second floor. The plan is to lay block to the roof in Area C, then B before completing the full height of Area A including the Gym and Kitchen/Cafeteria walls.

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- b) Masons were laying interior concrete block walls in Area B and A. A large crew of masons and helpers were on site and working in several areas.



- c) The surrounding walls of the office area are in place.



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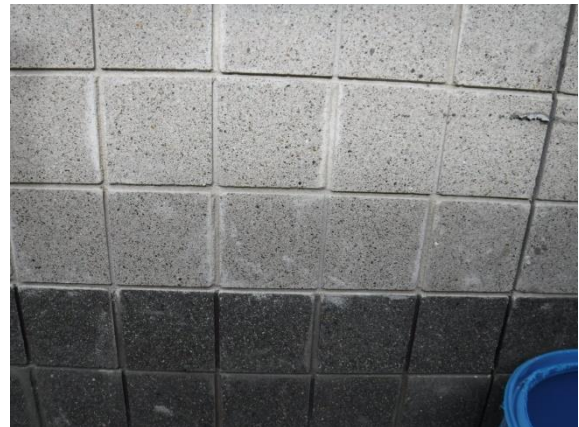
- d) The lobby area and north-south corridor are being defined by the block walls being laid.



- e) The ground face block looks good, but still needs to be detailed and sealed. The outside corners of the ground face block do not have the bullnose radii that occurs on the block above them. A grinder with a built-in radius will be used on the ground face block to match the bullnose on the block above. This must provide a finished appearance.



- f) The ground face block needs to be cleaned. The joints need to be tooled per the approved sample. If edges and corners need repair, this must be done to match the surrounding units.



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- g) Mortar needs to be removed from hollow metal frames without damaging the surface. If the primer is removed in the process of cleaning the mortar off, touch up primer needs to be applied before the frame rusts. Any surface damage needs to be repaired with autobody filler and ground smooth and reprimed.



- h) The toilet on the east-west corridor is enclosed with block. The precast concrete planks will span over the top. Then the interior block walls will be laid.



- i) The precast concrete planks have been placed into the east side of Area B.



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- j) Electrical and mechanical rough ins have been attached to the walls surrounding the library/media center.



- k) No work was in progress in the enclosed portions of Area C and Area B.



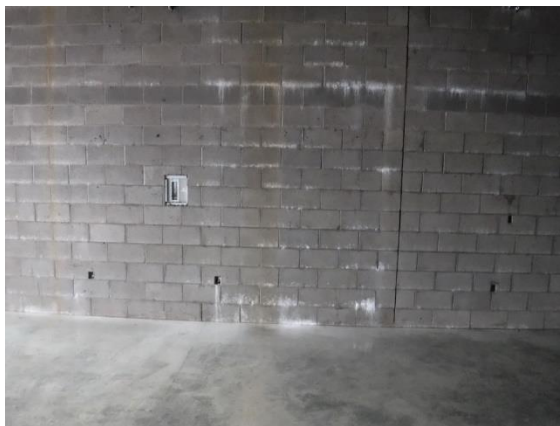
- l) After the heavy rain on Sunday, the walls and ceilings of the rooms were saturated with moisture. This partially the result of the water that is ponding on the floors.



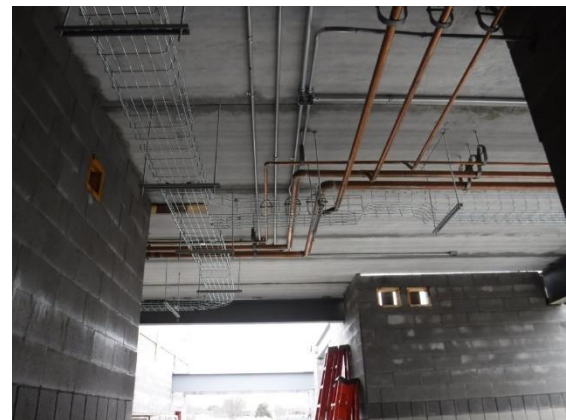
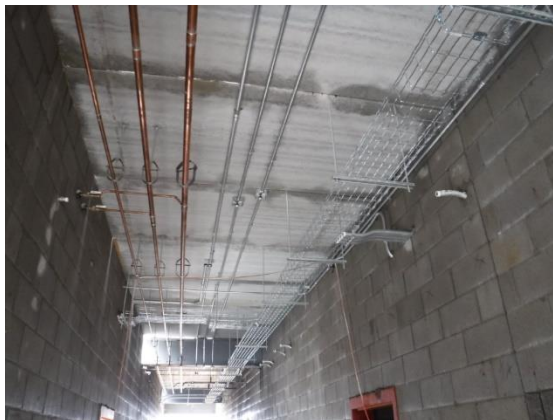
- m) The general trades contractor was going to remove the water ponding on the classroom floors. The Skudo system traps the water at the doorways thus causing about ½" of water to be trapped in the rooms.



- n) Where the moisture has saturated the block walls, lime was wicking out of the block. This needs to be cleaned off of the block as the it is detailed.



- o) Piping, conduit and cable tray rough ins are in place in Area C.



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- p) Block was being laid in the Mechanical Room, PE Storage and Office and Music Classroom. These walls are between the Gym and the Cafeteria.



- q) The Kitchen walls be laid up after the walls supporting the precast concrete planks for second floor areas.



- r) The mock wall still needs trim and sealants to be complete.



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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.
- f. Embed plates.

4. Follow up items:

- a. Keep as-built locations for site utility work up to date.
- b. Keep as-built locations of below slab 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
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Cc: 201752, CA8