



## FIELD OBSERVATION REPORT

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

Date: 5/13/2021

Time: 11:00 AM ET

Weather: Partly Cloudy, 65 degrees

Observed by: Joseph Jones

Report No: 50

Est. Completion: 90%

Present on Site:

John Stith, Joe Stuecker, Rob Deal, Tommy Gum, Billy Parson, Gerald Jones, Andrew Boulton, Pavers, Floor Polishers, Masons (Cleaners), Fiber Cement Siding Installers, Roofers, Glazers and Caulkers, Gypsum Panels Installers, Ceiling Installers, Tile Setters, Electricians

### 1. Work in Progress.

- a. Pavers had prepared the rear parking area by grading it to subgrade.
- b. Floor polishers were applying densifier to areas they had polished.
- c. Masonry cleaners were hand cleaning the ground faced block in the main corridor.
- d. Dixie Exteriors was installing cement panels.
- e. Roofers were installing metal roof panels on the classroom wings.
- f. Glazers were preparing to install the main entrance. Caulkers were caulking the interior sides of window openings.
- g. Gypsum board installers were finishing gypsum panels.
- h. Painters were painting in the classrooms.
- i. Ceiling installers were installing ceiling grid.
- j. Tile setters were installing paver tile in the student toilets on the main corridor.
- k. Electricians were pulling wire and installing light fixtures.

### 2. General Observations

- a) The weather was dry and warm. The site was mostly dry. Rain is predicted to return on Sunday. The schedule calls for the paver to bring the parking and walk areas to subgrade. Wet weather may cause muddy site conditions that will affect the schedule.

Edgar Belle had been installing visual display boards. They continue to coordinate these with HCS staff where electrical rough-ins interfere with installing the boards in the specified locations.

Floor polishers were finalizing work they had been doing on the second floors of the classroom wings. John had noticed some issues with the slabs in these areas. As I walked through the area, I observed numerous places where the polishing process had revealed crazing in the top of the concrete slabs. We had a meeting with Extreme Polishing after the progress meeting. Their foreman said that he could add a grout coat to see if this would mask the crazing. If he has time, he will attempt to prepare a sample of this process for inspection to determine if it will solve the problem. If he does not have time on 5/14/21, he will prepare the mockup when he returns to the site.

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Masonry cleaners were washing the ground faced block in the main corridor using brushes and the recommended cleaning solution. We had a meeting after the progress meeting with Brandon Carmicle. We made it clear that there shall be no mortar streaking on the face of the block, that the light and dark mortar shall only occurs in the corresponding block colors and the light mortar shall be consistent with no darker white mortar mixed with the predominate white mortar. Once all these are corrected, a sample panel for approval shall be prepared.

Dixie Exteriors was installing fiber cement panels on the classroom wings where they intersect with the soffits at the roofs.

Kalkreuth Roofing was installing metal panels on the classroom wings.

Glazers were preparing to install the main entrance curtainwall assembly.

The gypsum panel installers were finishing panels on the soffit at the second-floor corridor and in the Library/Media Center.

The painters were continuing to apply paint to the block and gypsum panels in Areas A and B.

Ceiling tile installers were continuing to install grid in Area A and B in the classrooms.

Ceramic tile floor installers were installing the pavers in the student toilets on the first floor. We had a meeting with Vesta, the tile installer, after the project meeting. We pointed out unacceptable tiles that are out of plane in the student toilets in Area D, and in the faculty toilets. Vesta will make corrections on walls with these conditions.

GBMC's mechanical installers have started the heat-pump units in Areas C and D. They have been installing GRDs in the classroom areas as the ceiling grid is installed. Plumbers have installed fixtures where the walls are ready.

The electricians were continuing to pull cables and wire and install light fixtures. They had installed the specialty fixtures in the Band Room and were installing fixtures in the Music Room. They were installing the power wiring to the basketball goals in the Gym. It is apparent that they have a great deal of work to do in the next six weeks. The lack of electrical power and permanent lighting has already affected the work of other contractors. This will continue all the way through to the completion of the project.

The elevator is now available for use by the contractors.

While I noted the amount of trash has been greatly reduced, I did observe a few drink containers mainly on the mechanical platforms.

- b) Work is beginning on the aluminum curtainwall at the main entrance. With the windows in place at the Library/Media Center, this elevation is nearing completion. There is still a significant amount of work remaining to complete this area. Kalkreuth must install some of their metal soffit panels before the curtainwall can be installed.



- c) Now that Dixie Exteriors is back on site from a standdown due to a COVID – 19 outbreak in their crew, they are completing the installation of the fiber cement panels under the roof soffits on the classroom wings.



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- d) Kalkreuth had installed snow guards on the metal roofing over the Library/Media Center. They had also installed eave trim and soffit panels.



- e) Carmicle's brick washer was cleaning the brick on the field maintenance building.





- f) The bleachers at the football field are in place.



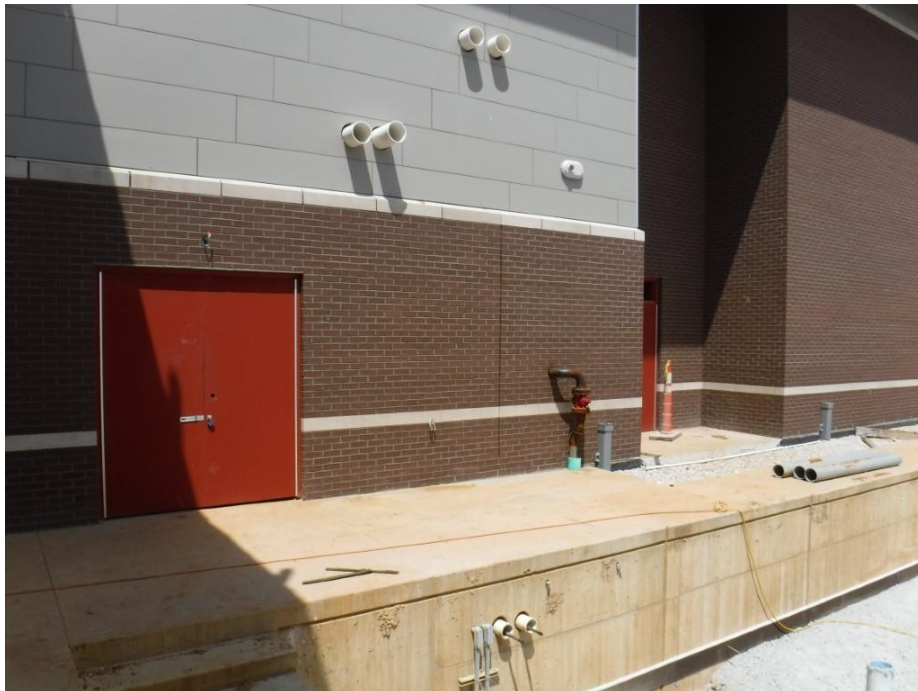
- g) Lake Cumberland Glass has installed the curtainwall and entry doors to the Cafeteria. The face caps were not yet in place. Billy Parson stressed to the contractors that their crews must not damage the doors and frames as they pass through them.



- h) Scotty's crew was preparing the subbase for the concrete paving at the loading dock. This area needs to be poured and up to full strength before the kitchen equipment is delivered.



- i) Where pipes were installed in holes cut through the fiber cement panels, most of the dust has been removed from the brick below. Contractors must protect the brick and other materials when cutting the panels. All residues must be removed.



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- j) The sheet metal roofing panels have been installed over the main entrance.



- k) Exterior metal canopies and concrete stoops have been installed at the doors at the ends of the classroom wings. All cement dust/ splatters created when installing concrete or cutting materials must be removed from the brick.



- l) Red rosin paper has been installed on the bus canopies ahead of the metal roofing panels.



- m) Cast iron boots have been installed at the downspout locations around the building. The exterior door frame and masonry at the Band Room has been reworked so that the door hangs properly in the frame.





- n) The rear lobby is now enclosed with the aluminum curtainwall and the doors have been installed.



- o) Conley Painting used balloons to mask the can lights as they sprayed painted the ceilings and soffits over the main corridor.



- p) While the ground faced block has an improved appearance from our previous observation, the dark mortar in the white joints needs to be replaced. The white mortar in the dark block needs to be replaced. The streaks of white mortar on the light block needs to be removed.



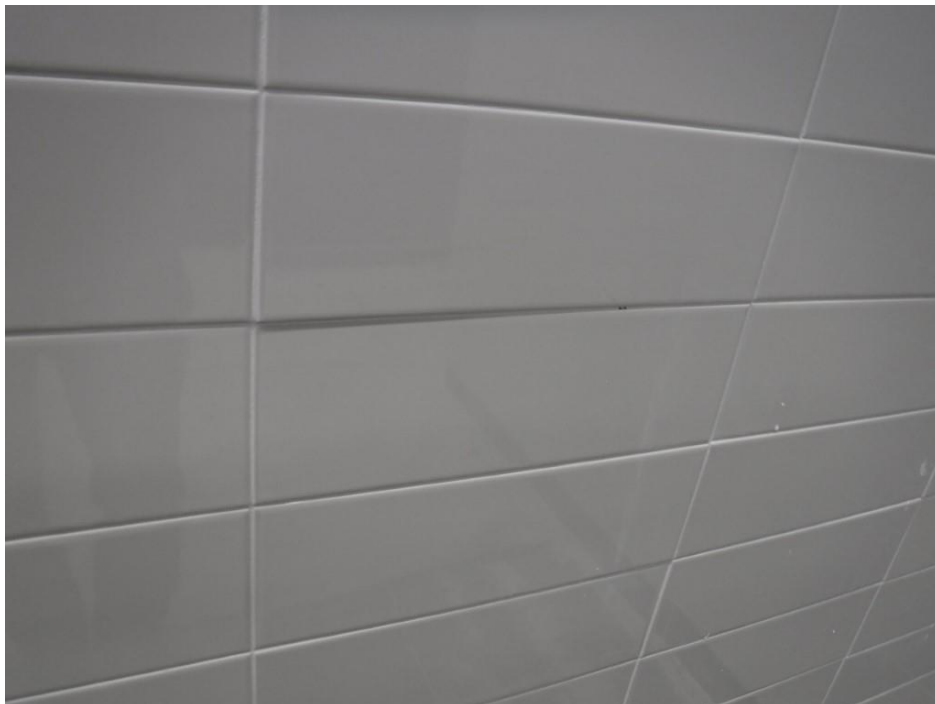
- q) Carmicle's washers continue to clean the ground faced block.



- r) Vesta Tile's crews were installing tile pavers on the floors of the student toilets on the first floor. They were using the specified long ramp trim strips.



- s) Some of the wall tiles in the student toilets and faculty toilets are not in plane with the wall. These must be replaced.





- t) GBMC's plumbers had installed fixtures in the toilets in Areas C and D. It was stressed in the progress meeting that workers shall not use the fixtures.



- u) The sample panel of polished flooring showing the stained concrete and the curve had been corrected. The key cut was corrected to have a uniform appearance.



- v) After the concrete slabs on the second floor of the classroom wings have been polished and finished, there is a significant amount of crazing in the finish on many of the panels. We are looking to Whittenberg and Extreme Polishing for corrections for this issue. John also noted that the epoxy filler is more of a green hue in many of the patches and does not match the rest of the floor. The same filler in the crack control joints is typically in the same range as the concrete. We also noted that shrinkage cracks occur in many places between the crack control joints.



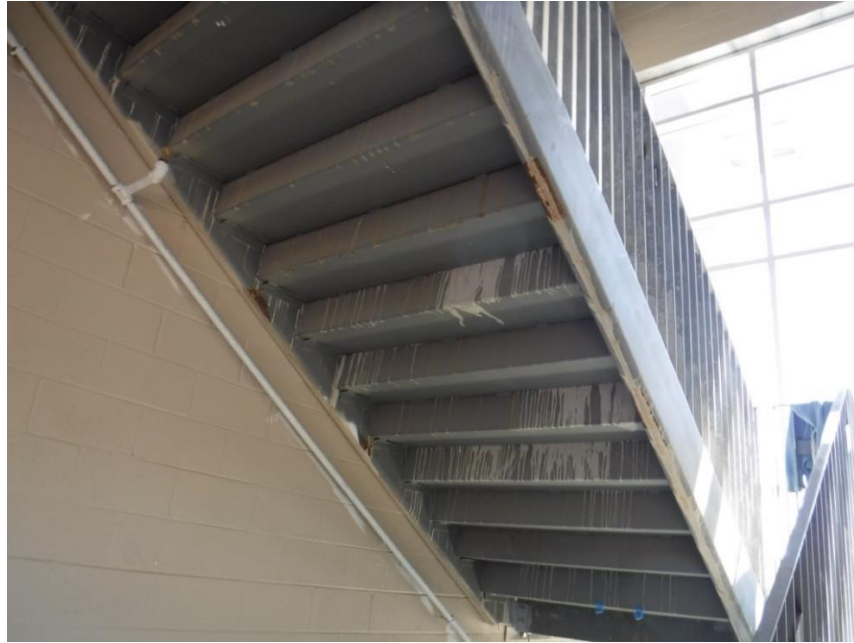
- w) Some slab areas have had significant damage. With the contrasting repair, these areas are emphasized.



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- x) The seam sealer at weld joints appears to have corrected the rough appearance of the stairs from above, but nothing has been done to address the roughness of the joints below the treads and risers. HCS has agreed to consider having Stewart - Richey cover these areas with gypsum board soffits. This far, nothing has been done to prepare the stairs for this work.



- y) Where ceiling grids are in place, sprinkler heads, light fixtures, grilles and diffusers have been installed in the grids. Some of these areas do not have permanent wiring to the light fixtures. Any electrical work through the grid must be done without damaging the grid.



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- z) The specialty light fixtures in the Band Room have been installed, however the suspending conduits have not been painted flat black. These must be painted, and the clouds must not be displaced and damaged.



**3. Stored Material:**

- a. Block, brick, mortar and masonry materials.
- b. Aluminum curtainwall framing materials.
- c. Composite panels and metal trim.
- d. Paint and painting materials.
- e. Gypsum board materials.
- f. Ceiling grid and panels.
- g. Plumbing piping, fixtures and accessories.
- h. Conduits and electrical boxes, light fixtures, wire and materials.
- i. Data cables and accessories.
- j. Mechanical equipment, ductwork and piping.
- k. Fire suppression piping and fittings.
- l. Roofing materials.

**4. Follow up items:**

- a. Confirm that RFIs were submitted for changes to the details as requested.  
These include:
  1. Locations of level 5 finish on gypsum panels.
  2. Trim detail at the bottom of composite panels.
  3. Gypsum board soffits to cover conduits and pipes exposed on the Cafeteria walls.
  4. Changes to the materials and methods for polishing concrete slabs to make corrective repairs to damaged slabs caused by other trades.
  5. Method for correcting crazing in polished concrete slabs.
- b. STW to report on the closure of mechanical/electrical openings passing through corridor and party walls especially in classroom areas.
- c. Maintain the Skudo system so that it protects the corridor slabs.
- d. All trades shall keep the building and site clean by properly disposing all bottles, bags, wrappers, trash, debris, etc.
- e. Provide protection board for all ladders, equipment and materials staged on the low sloped built-up roofing areas. Remove all screws, nails, sheet metal and other sharp objects from these roof areas ASAP.
- f. Do not damage materials installed by other trades especially hollow metal door frames and polished concrete slabs.

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