



## FIELD OBSERVATION REPORT

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

Date: 10/7/2020

Time: 8:30 AM ET

Weather: 60/Partly Cloudy

Observed by: Joseph Jones

Report No: 34

Est. Completion: 92%

### Present on Site:

Billy Parson, Gerald Jones, General Trades, Concrete Workers, Carpenters, Roofers, Cabinet Installers, Glazers, Floor Polishers, HVAC Installers, Electrician, Furniture Installers

### 1. Work in Progress

- a. The general trades contractor was cleaning the first floor of Area B.
- b. Concrete workers were finishing walks at the rear of the building.
- c. Exterior panel installers were placing trim at the windows in the fiber cement panels.
- d. Roofers were seaming the metal panel roofing joints.
- e. Cabinet installers were installing cabinets in the classrooms in Area C.
- f. Carpenters were installing wood doors in Area C.
- g. Glazers were completing entrances at the rear of the building.
- h. Floor polishers were grinding floors in Area B.
- i. HVAC installers were completing work on the mechanical platform.
- j. The electrician was installing electrical devices.
- k. The owner's furniture installers were installing furniture in the rooms in Area C.

### 2. General Observations

- a) The weather was partly cloudy and cool. The site was dry. Rain was predicted for the weekend.

Sitework is progressing with workers finishing walks at the rear of the site. Gerald is planning for the placement of the base course of gravel and then the asphalt paving starting Monday. Access to the site will be limited when the paving is being laid.

The building is still not enclosed with the window opening at the second-floor opening being used to access the second floor for the large floor grinding machines.

The roofer was seaming the standing joints in the metal roofing over the building using a robotic machine.

The gym flooring installer cannot start the final sanding sealing of the gym floor until all of the electrical and acoustical panel work is complete.

JRA Architects

3225 Summit Square Place, Suite 200 Lexington, KY 40509  
Tel: 1-859 252-6781 Fax: (859) 255-5483 [www.jrarchitects.com](http://www.jrarchitects.com)

The steel stairs still need to be detailed ahead of the painting. They have a rough unfinished appearance with incomplete welds, rust spots and other defects that must be repaired before the stairs can be painted.

We met with representatives of Edgar Belle and Dixie Exteriors to examine the samples for the trim around the windows at the fiber cement panels. The metal matches the window frames. They were installing the trim angle with a 1" wide leg showing on the face of the panels. The trim must be fully adhered to the insulation stop in the wall and be fully adhered to the fiber cement panels. The exposed flashing along the counterflashing also needs to be covered with panels.

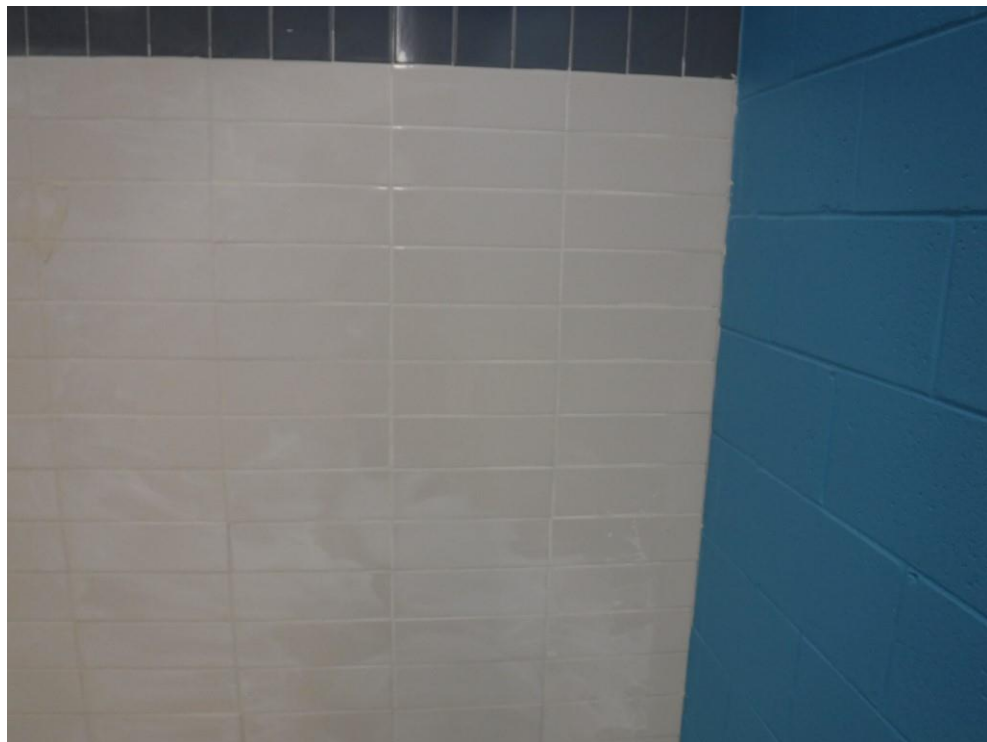
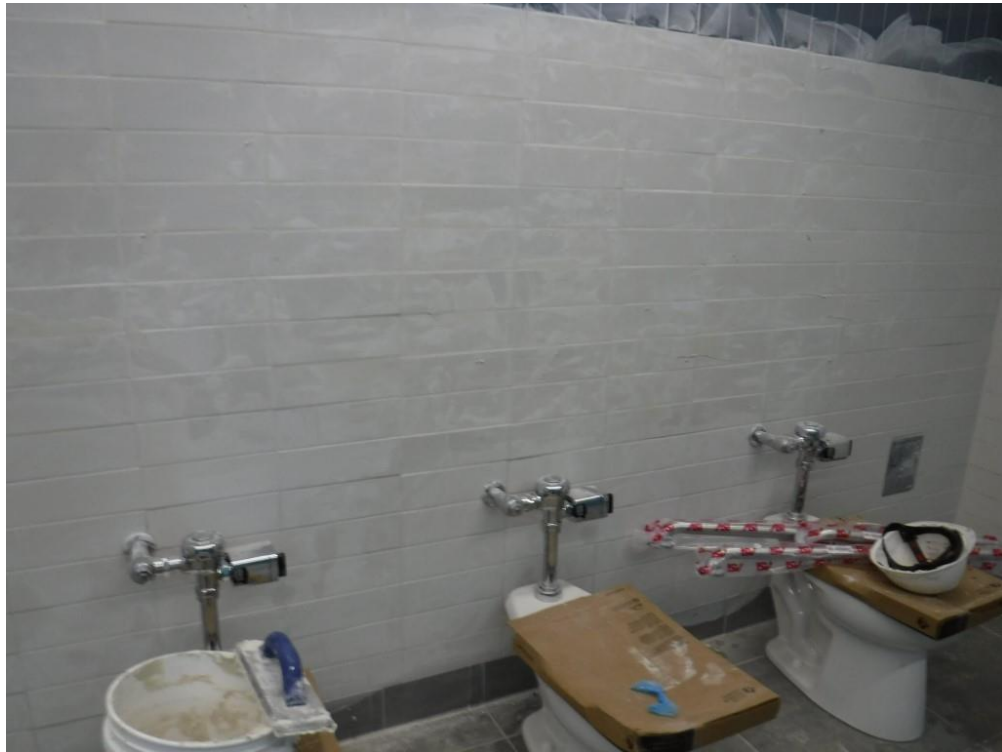
We have not seen improvement in the appearance of the ceramic wall tile after several attempts of repairs. Gerald and I met with the installer to go over the requirements to achieve an acceptable appearance. We discussed the uneven grout joints again with the installer. The installer agreed to regrout the joints to produce a sample of work that could be reviewed for approval. Gerald again noted that there are numerous places in the Kitchen floor where joint grout is missing. Gerald told the installer that the trim installed at the edges of the ceramic tile pavers at the toilet entrances is a trip hazard. The trim does not match the ramped trim profile indicated on the drawings. The trim must be replaced with a profile that matches the drawings. The installer said he only installed the trim that was given to him by Smith Interiors. After my meeting at EHMS, I returned to view a sample of the repairs. It had even joints and was acceptable. I instructed the installer to match the sample for all the other tile walls in the building. Gerald agreed to take pictures of the repairs the next day and send them to me. On 10/7/2020, he reported that the repaired wall looked much better and could be used as a sample for repairs for all other tile work. From the images we received from Gerald, we agreed with Gerald's recommendation. There are still defects in the joints that will need to be corrected before completion.

The masons still have not returned to the building to fill all mortar joints with matching mortar, replace defective brick and clean mortar and dirt off the face of brick. They are waiting until Gerald gives the order to fill the remaining window opening near the front entrance of the building after the floor grinding machines are removed from the building.

There are many sealant and caulk joints on the exterior and interior of the building that remain open. There are many caulk joints in the building that were not installed properly. Some joints do not have sufficient caulking material to produce a concave joint. Many joints have the final coat of paint over caulking smeared on the face of the concrete block. When this was noted on the mockup wall, we were told that this would be corrected, but we continue to see this unacceptable work throughout the building. This does not provide an acceptable appearance and must be corrected.

The electrical contractor continues to install electrical devices. It appears that there is a considerable amount of electrical work to be done. Gerald reported that the only electrician on the job was on vacation this week and that a journeyman electrician was the only one on site. The lack of electrical work in a timely manner is affecting other trades as it has done throughout the project.

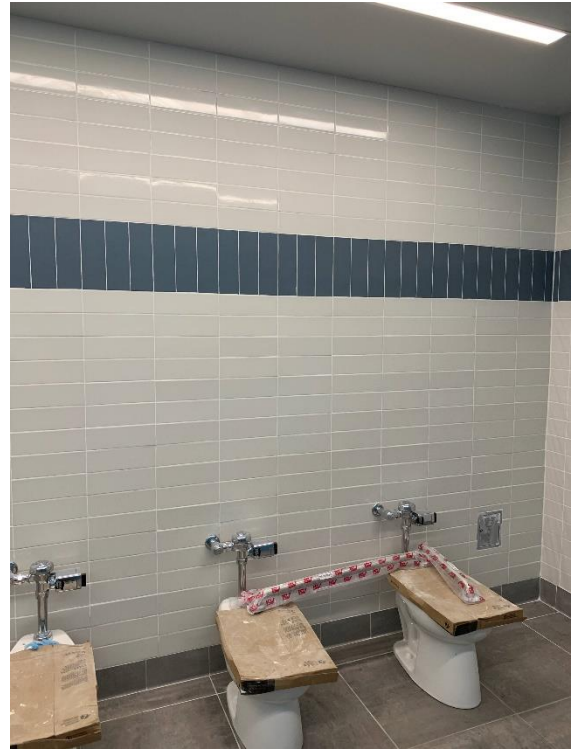
- b) The wall tile on the fixture wall in one of the toilet groups had been regouted by the installer. On the lower image, a small section on the end wall was cleaned to reveal a sample of what this might do to the appearance of the tile. We agreed that the sample was acceptable and we would examine the joints again the next day.



JRA Architects

3225 Summit Square Place, Suite 200 Lexington, KY 40509  
Tel: 1-859 252-6781 Fax: (859) 255-5483 [www.jrarchitects.com](http://www.jrarchitects.com)

- c) Gerald sent these images of the walls after cleaning the next day. While they appear to be better than the previous efforts, defects in the grout are still visible. These will have to be corrected.



JRA Architects

3225 Summit Square Place, Suite 200 Lexington, KY 40509  
Tel: 1-859 252-6781 Fax: (859) 255-5483 [www.jrarchitects.com](http://www.jrarchitects.com)



- d) The temporary railing at the low roof areas will remain in place until the roofers apply the flood coat and install the copings at the top of the parapet walls.



- e) The canopy was installed at the entrance at the center of the classrooms. Unfortunately, this was done before the stain was cleaned off the brick. This will now need to be done without damaging the canopy. In addition, the canopy partially covers the back box for a wall mounted light fixture. This may need to be moved.



- f) The soffit at the entrance has been wrapped with aluminum. The inner vestibule wall and doors still need to be installed.



JRA Architects

3225 Summit Square Place, Suite 200 Lexington, KY 40509  
Tel: 1-859 252-6781 Fax: (859) 255-5483 [www.jrarchitects.com](http://www.jrarchitects.com)

- g) The main lobby floor has been cleared of the Skudo system in preparation of polishing the slab.



- h) The Library/Media Center is mostly painted. To complete the area, ceiling tile needs to be laid into the clouds, flooring installed, and the library furniture installed.



- i) The concrete walks at the rear of the site were being poured and finished.



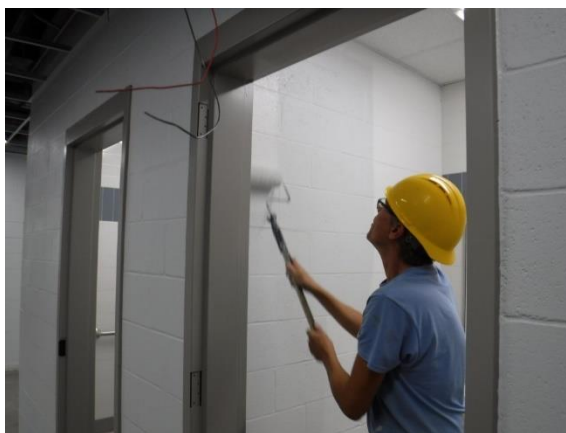
- j) There are many open caulk joints. Unfortunately, the caulking in the joint over the main entry is smeared on the block. This must be corrected as is the case for all joints like this one.



- k) The typical classroom has had the floors polished and the casework installed or waiting to be installed.



- l) Painters were observed correctly painting hollow metal frames with a roller.





- m) The polishers were still grinding the slabs in Area B. They were nearing completion.



- n) The sanding and sealing of the Gym floor cannot be started until the acoustical panels are in place and the electrical work installed.



- o) The cafeteria is still be used to store casework and furniture. Work to complete this space cannot be done until this equipment is moved from the room.

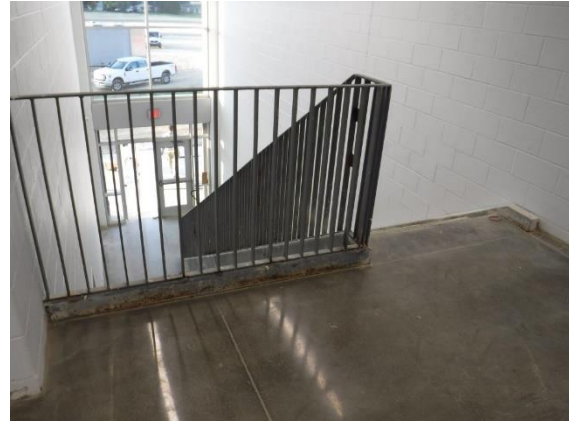


JRA Architects

3225 Summit Square Place, Suite 200 Lexington, KY 40509  
Tel: 1-859 252-6781 Fax: (859) 255-5483 [www.jrarchitects.com](http://www.jrarchitects.com)



- p) Final detailing of the welds on the stairs must be done before they can be painted.



- q) Welds on the railings were ground, but primer was not applied.



- r) A large glob of mortar is still at the bottom of the wall at the toilet group in Area B.



- s) The mulch for the playground is stockpiled near the area.



- t) The roofers were using a robot to seal the seams in the metal roofing.



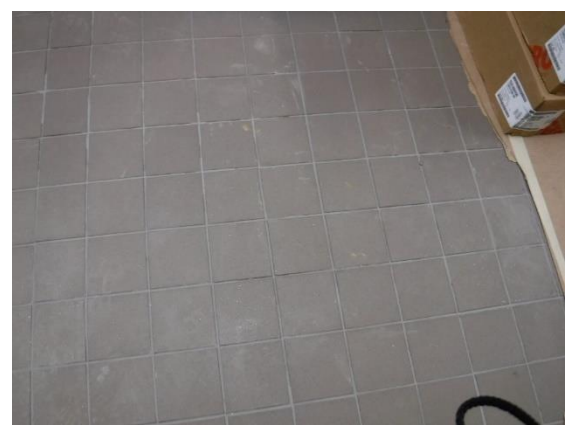
- u) The bent plates at the steel frame do not close to the columns. This must be corrected to avoid having a place where birds and insects can enter the soffit at the canopy.



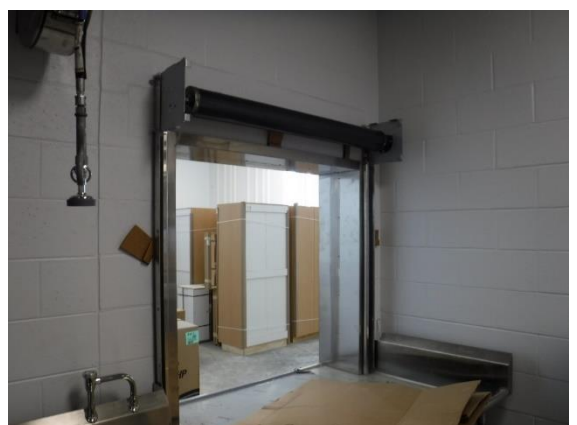
- v) The cooler/freezer wall was damaged during installation. This must be replaced.



- w) The epoxy grout joints in the Kitchen floor are not completely filled. This must be corrected.



- x) The fire curtain at the dish return is missing parts.

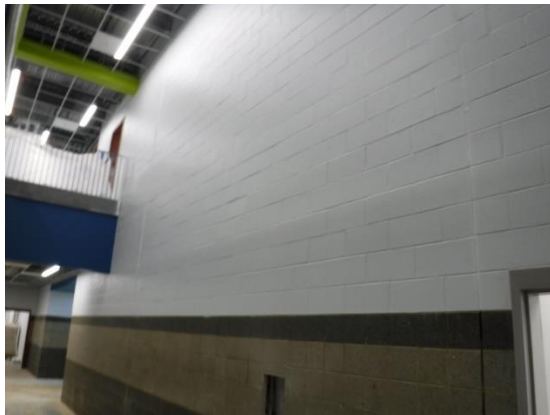




- y) When the sun passes a certain point, it reveals uneven textures in the fiber cement panels. This appears to be all in the panels and not the installation.



- z) The concrete block on the two-story wall in the main lobby is especially rough. This must be corrected.



- aa) The 1" aluminum trim around the windows in the fiber cement panels was reviewed. We found this to be acceptable.

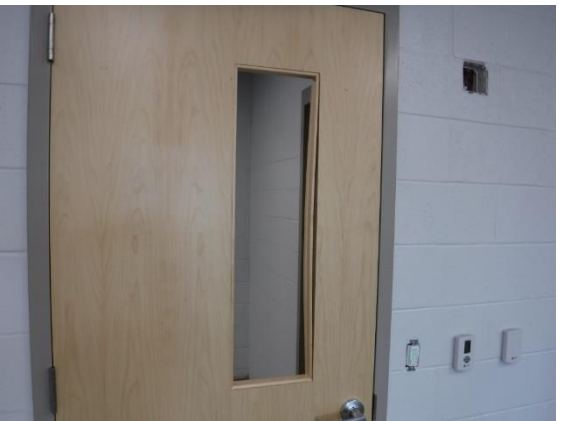
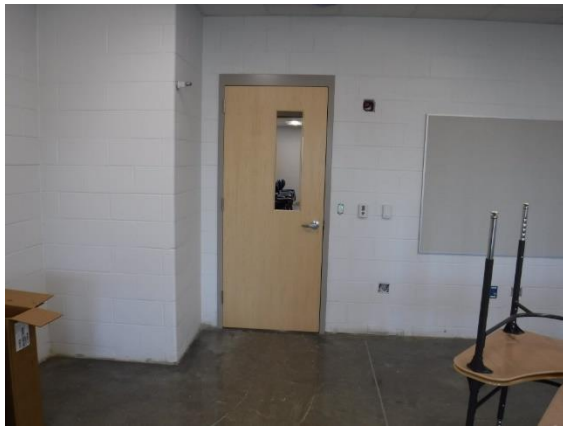




- bb) Care needs to be taken to provide square corners in the trim.



- cc) The wood doors were being hung. Unfortunately, this had to be done before the hollow metal frames were repaired and repainted. Repair work to the frames must not damage the doors.



**3. Stored Material:**

- a. Electrical fixtures, wire, and equipment.
- b. Roofing and siding materials.
- c. HVAC materials
- d. Tile materials.
- e. Gym flooring finish system.
- f. Casework.
- g. Glazing materials.
- h. Ceiling tile, grid and attachment materials.
- i. Plumbing and mechanical trim and fixtures.

**4. Follow up items:**

- a. Keep as-built locations for site utility work up to date.
- b. Keep as-built locations of plumbing and electrical lines up to date.
- c. Maintain site silt control measures.
- d. Have all trades keep the building clean of all bottles, lunch bags, wrappers, trash, debris, etc.
- e. Clean and repair brick.
- f. Verify status of sprinkler piping under stair.
- g. Protect all low sloped roof areas during all construction activities.
- h. Correct defects as each area is nearing completion. Confirm corrections.

Follow up by:

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

Respectfully submitted,  
Joseph Jones, AIA  
JRA Architects  
Cc: 201752, CA8