



FIELD OBSERVATION REPORT

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

Date: 3/17/2021

Time: 8:30 AM ET

Weather: Partly cloudy, 50 degrees

Observed by: Joseph Jones

Report No: 46

Est. Completion: 86%

Present on Site:

Doyle Gibson, Composite Panel Installers, Glazers, Light Gauge Framers, Ceiling Installers, Floor Tile Installers, Painters, Mechanical Installers, Electricians

1. Work in Progress.

- a. Masons were detailing block joints. Their cleaners were washing brick.
- b. Composite panel installers were applying panels.
- c. Glazers were installing the face caps on the curtainwalls in Areas C and D.
- d. Framers were installing metal framing for soffits on the second floor of the main corridor.
- e. Ceiling installers were starting to install ceiling grid in Area A and Area D.
- f. Painters were painting in Area A.
- g. HVAC installers were installing ductwork in the Library Media Center.
- h. Electricians were pulling wire.

2. General Observations

- a) The weather was clear and warm. Rainy weather had occurred over the last several days making the site muddy.

Doyle reported that Edgar Belle will bring in the cleaning contractor to get the building ready for finishes. I noted a considerable amount of dust on the ductwork at the mechanical platforms. Obviously, the duct openings will need to be protected with filter material before the HVAC units are started.

The mud on the roof over Area D in front of the Gym had been cleaned. Refer to the recent inspection reports from Zack Hadden.

Masons were detailing block joints that needed work after painting revealed defects. Masons were also reworking the masonry opening at the exterior door frame to the Band Room which had been deformed thus not allowing the doors to shut properly. Their cleaners were washing brick walls on the front side of the building.

The composite panel installer was continuing to install panels. They were at the rear of Area B while I was on site.

Glazers installing face caps on the curtainwall frames in Areas C and D.

Light gauge metal framing was being installed for soffits along the main corridor on the second floor.

The painters were applying the second coat of paint to the block in Areas A and B.

Ceiling tile installers were installing grid in Area A in the classrooms. They were also preparing ceiling clouds to be installed in the Art Room.

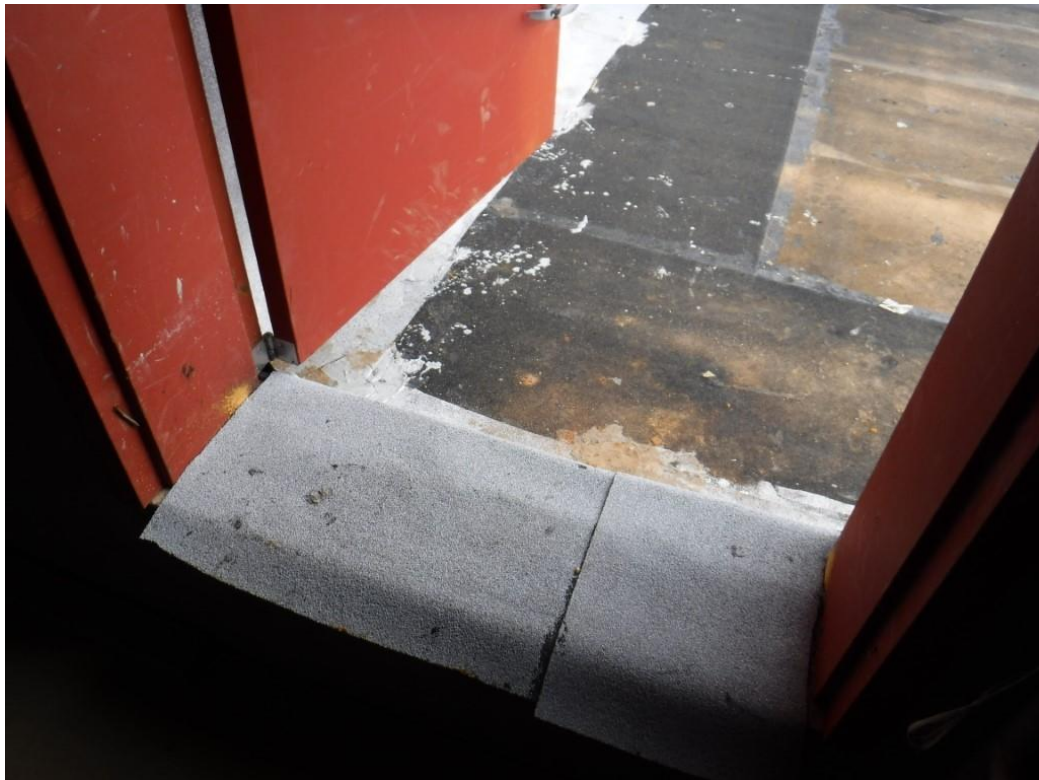
Ceramic tile floor installers were setting the quarry tile in the Kitchen. They had grouted some of the joints.

The mechanical/electrical trades have been continuing their rough-ins in Areas A and B while completing rough-ins in Areas C and D. There is the beginning of the installation of light fixtures, grilles, registers and diffusers and sprinkler heads in Area D.

The electricians were continuing to pull cables and wire in conduits they had previously installed. They were also installing light fixtures in Area D.

Doyle reported that Extreme Polishing will return next week to prepare additional mockup slabs and repair the slab that was improperly polished in the corridor. These mockups must be approved by John and JRA before additional areas can be polished.

- b) Doyle gave me an update on the door to the kitchen roof. He said that Atlas will return to the site when they hang the wood doors. They have ordered a door bottom for the door and will install it at that time. They will also install an aluminum threshold that will be coordinated with the roof flashing to create a waterproof sill condition. The hinge will also be reworked at that time.

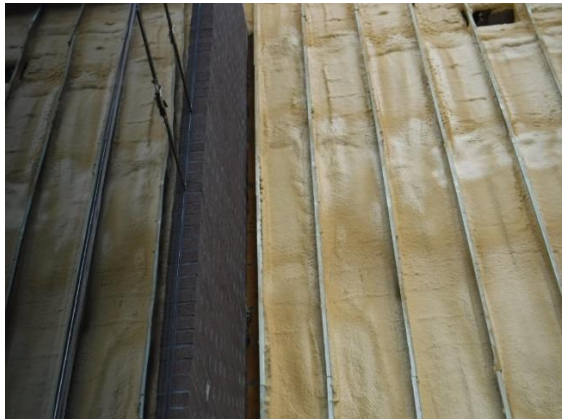


- c) GBMC has done additional work at the 2 hour fire rated walls over the mechanical platforms. The dampers appear to be in place but I did not see the access panels.

As noted previously, the electrical conduits passing through the two-hour fire resistive rated fire walls would be sealed with fire resistive sealant. The sealant must be installed based on a U/L fire resistant rated assembly for the spacing and size of the conduits. It also appears that holes were started through the wall and were stopped. All damage to the fire walls must be repaired to restore the integrity of the two hour fire resistive rating.



- d) The building expansion joint at the rear of the building between Areas B and C has not yet been incorporated in the construction. I reviewed this with Doyle. The masonry needs to be cut to create the 2" wide joint. The joint also needs to be incorporated in the composite panel system and the roof coping at that point. Insulation needs to be applied to the building construction so that it is continuous as detailed.



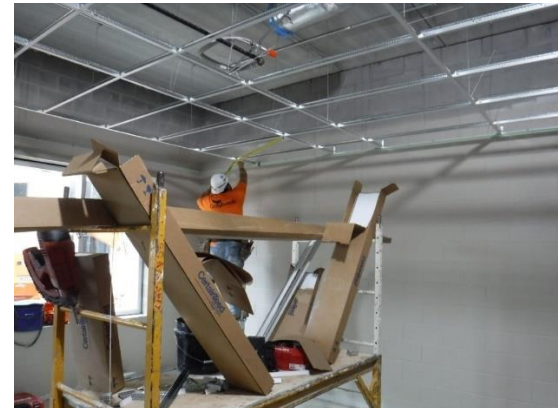
- e) Spray foam insulation was not applied in the corner between the last "Z" and the brick returns at the cafeteria. This is also the case on the other side of this wall where the expansion joint is to be installed as noted above.



- f) I observed a considerable amount of construction dust on the ductwork over the mechanical platforms in the classroom wings. This needs to be removed.



- g) Ceiling grid was being installed in the classroom wings. They were using laser levels to insure levelness of the ceilings. I stressed to Doyle that work above the grid be reduced to a minimum before the grid was installed to avoid damage to the grid. Doyle reported that most of the rough ins are complete.



- h) Much of the quarry tile floors in the Kitchen have been laid. Some areas have grouted joints. The tile appears to be level with straight joints. Due to lighting conditions and status of cleaning, it is difficult to tell whether the grout from the joints is on the face of the tile as occurred at Lincoln Trail Elementary. Final cleaning will be necessary to determine quality of the installation.



- i) Ceiling grid, light fixtures, grilles registers and diffusers and sprinkler heads are being installed in ceiling grid in Area D. These images were of the Technology Computer Classroom.



- j) The edge trim for the ceiling clouds has arrived on site. Ceiling installers were assembling the clouds on the floors of the rooms prior to lifting them into place.



- k) Work continues for the installation of gypsum board soffits. These along with the walls will define the edge for lay in ceilings.



- l) Light gauge metal framing was being installed along the walls on the second floor of the main corridor.



- m) The painters are staying ahead of the ceiling grid installers in the classroom wings.



- n) The painters have started painting hollow metal door and window frames in Areas C and D. Some of the interior windows now have glass in them. I did not observe scratches on the glass.



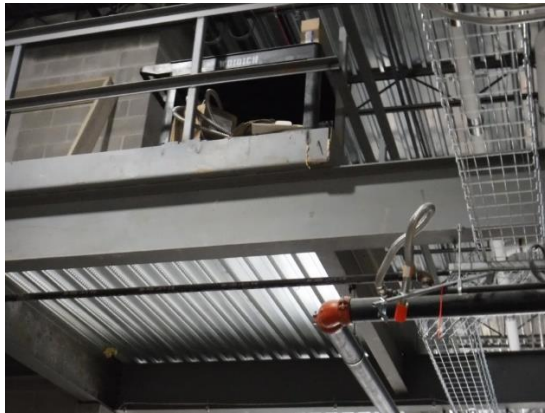
- o) Neither of the polished slab mockup areas were acceptable to John and Rob. The arch in the corridor was not in a true radius. They used dry polishing procedures instead of wet as specified. The floor in the Art Room is not in good condition. It was decided that a deeper grind, exposing the aggregate in the concrete will be used in this room. Extreme will prepare another mockup for approval.



- p) Some of the concrete slabs received damage during masonry construction. These must be repaired as the floors are polished.



- q) The joints in the steel toe guard around the entire mechanical platform must be welded closed to provide some degree of protection from leaks on the platform. The longer that Stewart-Richie waits, the more construction will be in their way.



- r) While detail work has been done on the steel stairs and railings, a significant amount remains before the stairs can be painted.



- s) Vesta has prepared the slabs and the walls in the student toilets along the main corridor for tile work.



- t) Brick washers were cleaning the brick at the front entrance. Straw has been placed in areas that have been washed. There are some areas where mud is on the washed areas. These will need to be recleaned. Some brick has been stained from overspray and splashing from work done by other trades. These stains must be cleaned off the brick.



- u) Brick had been removed to correct the distorted door frame into the Band Room.



- v) As noted by Zach Hadden, most of the mud on the roof in front of the Gym has been removed.



- w) I appreciated that Dixie Exteriors had placed protection panels under the feet of their scaffolding as they installed composite panels over walls above Area b.



- x) Kalkreuth has placed their equipment on protection boards. All trades need to be careful not to drop fasteners on the roof membrane.



- y) Glazers were installing aluminum face caps on the curtainwalls around Areas C and D. With this, we are beginning to see the final appearance of the exterior of the building.



- z) Dixie Exteriors needs to install the metal trim along the bottoms of the composite panels where they are above the metal flashing over the membrane roofs.



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. Light gauge framing.
- f. Ceiling grid and panels.
- g. Plumbing piping and accessories.
- h. Conduits and electrical boxes, wire and rough in 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 while I was on site. 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.
- b. STW to review serviceability of devices, boxes, etc. in the mechanical room and on the mechanical platform around the Gym.
- 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.

Respectfully submitted,
Joseph Jones, AIA
JRA Architects

Cc: 201752.01, CA8