



## FIELD OBSERVATION REPORT

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

Date: 3/4/2021

Time: 9:30 AM ET

Weather: Partly cloudy, 50 degrees

Observed by: Joseph Jones

Report No: 45

Est. Completion: 85%

Present on Site:

John Stith COO, Joe Stuecker, Doyle Gibson, Rob Deal, Steel Workers, Roofers, Composite Panel Installers, Glazers, Gypsum Board Finishers, Floor Tile Installers, Painters, Mechanical Installers, Electricians

### 1. Work in Progress.

- a. Steel workers were detailing the steel stairs.
- b. Roofers were installing sheet metal roof panels over the Library/Media Center.
- c. Composite panel installers were applying panels.
- d. Glazers were installing glass in the openings at the ends of the classroom wings.
- e. Gypsum board finishers were finishing joints on the walls in administration.
- f. Painters were painting block filler coats in Areas A.
- g. HVAC installers were installing ductwork in the Library Media Center.
- h. Electricians were pulling wire from the main panels in the mechanical room to the transformers and panels in the building.
- i. Low voltage system installers were pulling cables in Areas C and D.

### 2. General Observations

- a) The weather was clear and warm. Rainy weather had occurred during the weekend. The site was drying some but was still muddy.

Edgar Belle continues to clean the floors, but all the trade contractors need to do a better job of removing their own trash and debris.

Roofers were installing sheet metal roof panels over the Library/Media Center. Refer to the recent inspection reports from Zack Hadden. The composite panel installer was cautioned about doing a better job of keeping the membrane roof areas clear of mud, debris, screws and other objects that can damage the membranes.

Glazers continue to install aluminum curtainwall frames and insulating glass units in Area A.

Gypsum board finishers were finishing board in the administrative area.

The painters were applying the block filler coat to the block in Areas A and B.

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Ceramic tile floor installers were preparing the setting bed for the quarry tile in the Kitchen.

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 have been significant amounts of rough-in work in Areas A and B.

The electricians were continuing to pull cables and wire in conduits they had previously installed.

Doyle reported that Extreme Polishing will prepare sample slabs on March 11 and 12, 2021.

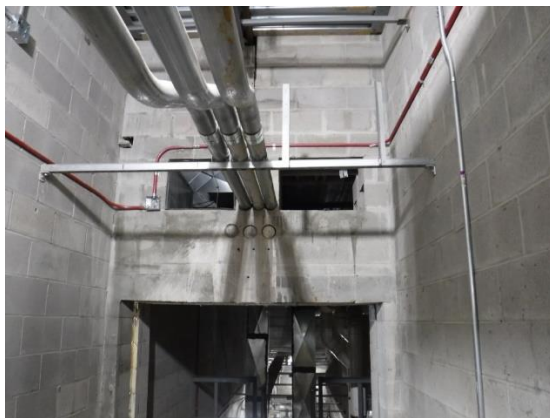
- b) Doyle had recommended that the head of the door leading to the kitchen roof be lowered due to the overhang of the roof. It was agreed that the door and frame would be cut down. The intent was that the frame would remain a four-sided frame and the door would be replaced with one to fit or a new bottom installed on the cut door. Thus far, these repairs have not been done. Joe Stuecker noted that the bottom hinge was cut in half. The bottom of the frame needs to be reinstalled over the roof flashing, the door repaired, and a new hinge prep installed for a full hinge.



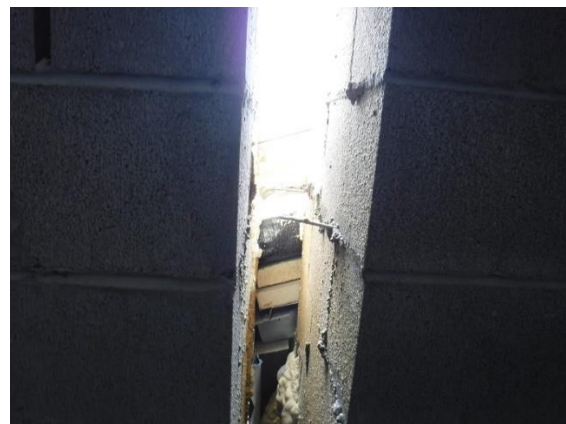
- c) Michael Warren confirmed with GBMC that 2 hour fire rated dampers with access panels will be installed in the ductwork penetrating the two hour fire resistant rated firewalls above the mechanical platforms on both sides of the Gym.



- d) Doyle confirmed that 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.



- e) The building expansion joints on the mechanical platforms require covers as specified.



- f) Joe Stuecker stated that even though the mechanical platforms provide general access for mechanical and electrical devices, elbows, boxes, etc. the stacking of these has made it difficult to service these in the upper reaches of the space around the gym. STW will review the conditions to determine if better access can be made to as many of the components as possible.



- g) Ductwork, hydronic lines and controls have been run to the heat-pump units over the main corridor.



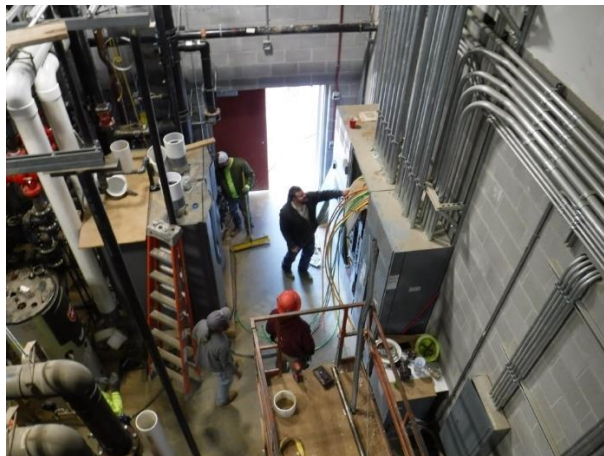
- h) While the accumulation of trash and debris during construction is never a good thing, it becomes more of a problem as the project nears completion. Doyle stressed that all the trade contractors need to do their part to avoid dumping construction and personal item waste on the floors of the building. As finishes are installed these things affect the quality of the work. That is not acceptable to the owner.



- i) Wire and cable continue to arrive on site. It is first being pulled to panel boards and transformers on the mechanical platforms.



- j) Another concern that Joe Stuecker has is the tight spaces in the mechanical room. STW will review the locations of serviceable items to make sure they are reachable.



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- k) The membrane roof over the rear entrance is in place. The metal roof over the resource room in Area B has been started. The spray foam contractor dented the gutter while applying the foam. I continue to see ladders, materials and equipment on the membrane roof setting directly on the roof membrane and not on protection boards. All trades must protect the roofs and sheet metal trim, gutters and downspouts.



- l) The plywood roof deck for the rear canopy is in place. Teachers and staff from the existing EHMS were on site to take a tour.



- m) We discussed the condition at the bottom of the composite panels with Dixie Roofing. They agreed to cover the screws at the bottom of the panels with sheet metal trim painted to match the panels. They will also use this trim to cover most of the through wall flashing behind the panels. The panels must be cut so they are 2" above where the flashing forms a bench because snow could fill that area and saturate the bottom of the panels. The wide joint is for the building expansion joint. Dixie will use sheet metal trim to finish both sides of the joint. Corrugated EPDM expansion joint material will then be pushed into the joint.



- n) Roofers were beginning to install the sheet metal roofing system over the Library/Media Center.



- o) The roof over Area D in front of the gym was covered with mud and debris from the spray foam and panel installation process. We discussed the need to prevent this from happening again. Workers will change shoes when moving from the ground to roof areas and materials will be cleaned before they are raised to the roof.



- p) Though it is difficult to see in the image, conduits and pipes have ended up exposed on the walls around the cafeteria. Doyle recommended that drywall soffits be added to cover these.





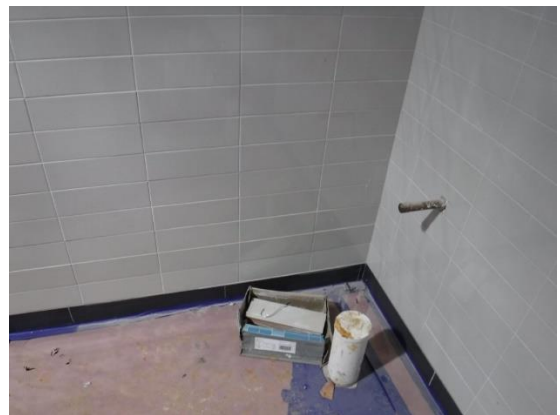
- q) The paint colors on the corridor wall of the cafeteria have been changed to agree with the schedule.



- r) Doyle reported that the setting bed for the quarry tile is being placed using laser levels for flat areas and slopes to drains where required.



- s) We decided that at the other student toilets the wall tile will be set in plane which will result in it being about 1/8" back from the front edge of the metal trim on top of the base tile. We agreed that the toilets in Area D can remain as installed.



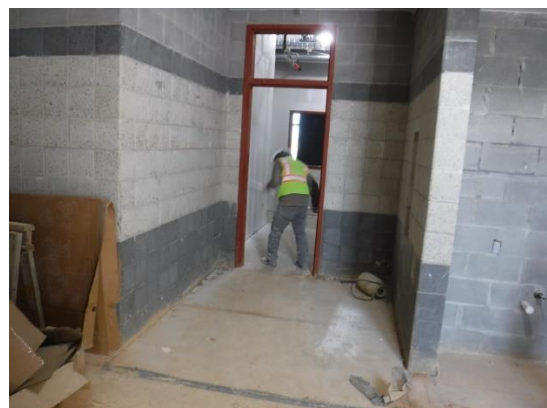
- t) We were told that the countertop for the cabinets in the Music Classroom has been backordered. Atlas reported that they can get the matching solid surface top from a local source. We agreed to make this change.



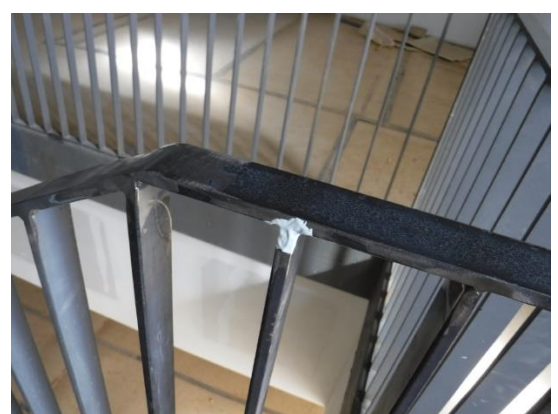
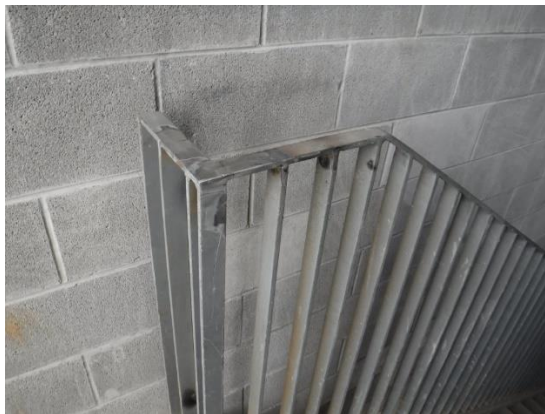
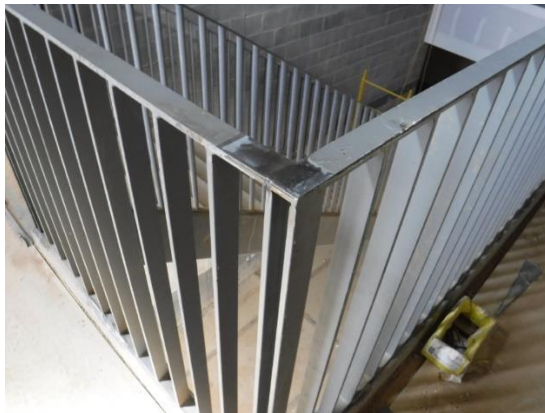
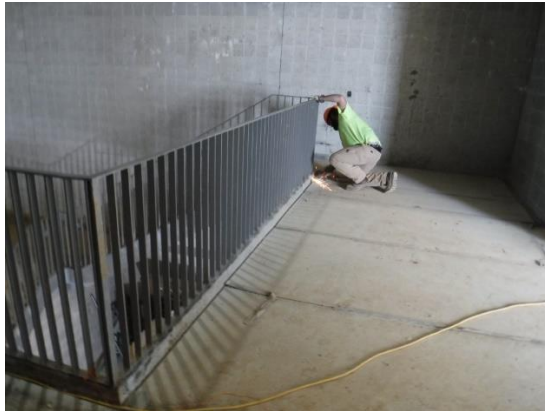
- u) The drywall soffits over the main corridor have received the first coat of paint.



- v) Finishers were sanding walls in the administrative area.



- w) Stewart-Richey's crews were detailing the steel stairs. Doyle said that the interior rated seam sealer for the open joints will be on site in 10 days. We agreed that they can proceed with this product.



- x) GBMC's crew was installing sheet metal ductwork in the Library/Media Center.



- y) Glazers were installing insulating glass units in the ends of the classroom wings.



- z) Glass has been installed at the exterior of the Library/Media Center except for those at the top which need the composite panels before the window installation.



**3. Stored Material:**

- a. Block, brick, mortar and masonry materials.
- b. Aluminum curtainwall framing and insulating glass units.
- 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. The arrangement of ceramic wall tile to set back on the metal trim above the tile base.
  2. Locations of level 5 finish on gypsum panels.
  3. Trim detail at the bottom of composite panels.
  4. Substitution of countertop in the Music Room.
  5. 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.
- g. Finish drywall frames so there are no dents, gaps, mortar and other materials that would prevent the final coat of paint from be smooth to the touch and the frames from having a completely uniform appearance on all surfaces. Do not bend the frames at the heads to install drywall.

Respectfully submitted,  
Joseph Jones, AIA  
JRA Architects

Cc: 201752.01, CA8