FIELD OBSERVATION REPORT

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

Date:7/2/2020 Time: 8:30 AM ET

Weather: 80/partly cloudy

Observed by: Joseph Jones Report No: 26

Est. Completion: 53%

Present on Site:

Doyle Gibson, Masons, Framers. HVAC Installers, Electricians

1. **Work in Progress**

   a. Masons were laying block on the second floor classroom wing of Area A. They are also laying brick over Area D.
   b. Framers were installing metal deck over light gauge trusses at Area D.
   c. Electricians were installing conduits in block walls as they were being laid by masons and work on rough ins on the first floor of the classrooms.
   d. General trades were setting door frames and cleaning the building.

2. **General Observations**

   a) The weather was partly cloudy, hot and humid. There was rain on Monday with the rest of the week being dry. The weather next week is expected to be warm with thunderstorms possible.

      The masons continue moving back and forth between the classroom wings as the walls are grouted and allowed to come up to strength. Masons were also completing the resource rooms on the second floor of Area B. Doyle said that Rising Sun has had more men on the job during the last week.

      The Skudo system still needs to be repaired where it is loose.

      Doyle reported that metal decking was being installed over the light gauge roof trusses at the music/computer classroom wing. Framers have been installing metal studs in classrooms that cover plumbing rough ins.

      The general trades contractor was installing hollow metal door frames ahead of the blockwork in Area B and A and safety railings.

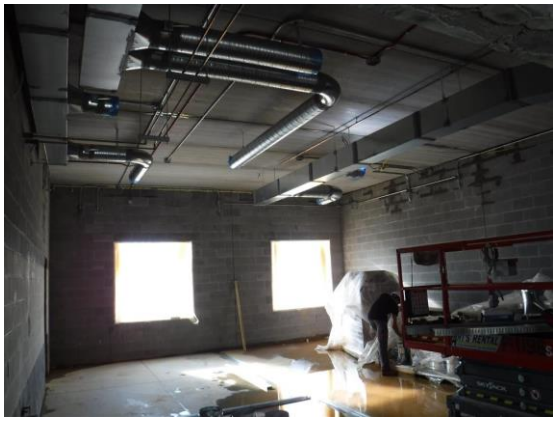
      Electricians were installing conduits as block walls were laid and are installing rough on the first floor classrooms. The plumbers have been installing the overhead domestic water piping in the classroom wings on the first floor. HVAC installers have been installing ductwork in the classroom wings.

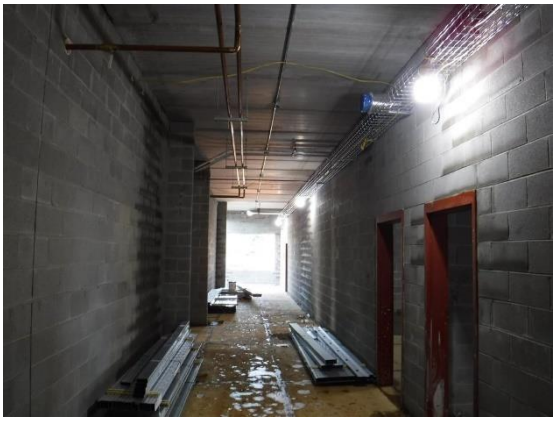
b) Since my last visit, there has been progress in the classroom wings in Area A. The block walls are being extended to truss bearing heights. The masons are moving back and forth to the wings to allow the grout lifts to reach full strength.

c) At the back of Area B, the walls are extended to truss bearing height except at one bay being used to stock block for the interior partitions still being laid in the area.

d) It is good to see masons laying block at the resource rooms across the main corridor from the classroom wing in Area B. Laying these walls to bearing height will tie the rear of the building together with full height block.

e) With each visit I can see steady progress with overhead HVAC, electrical, plumbing and sprinkler systems in the classrooms wings on the first floor of Area B and A. With the concrete planks in place, these trades have ample area to work in dry conditions.





f) Framers are installing metal studs at the plumbing walls in the science labs.

g) With the routing resolved for plumbing, data cabling and sprinkler lines in the central lobby area, these systems are all being installed.

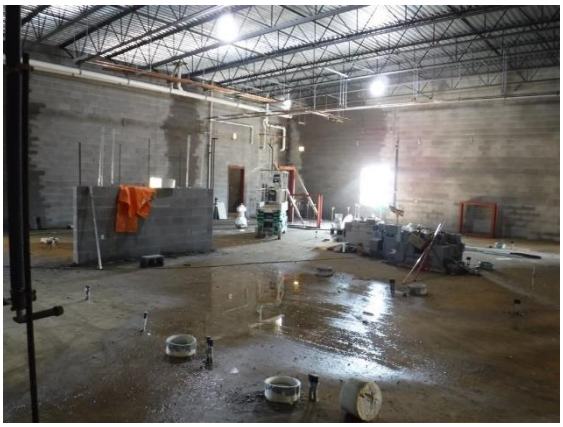
h) When I first arrived, the erectors were measuring for the central stair outside the Gym. Later in the day they were securing the lower run of steps into place.



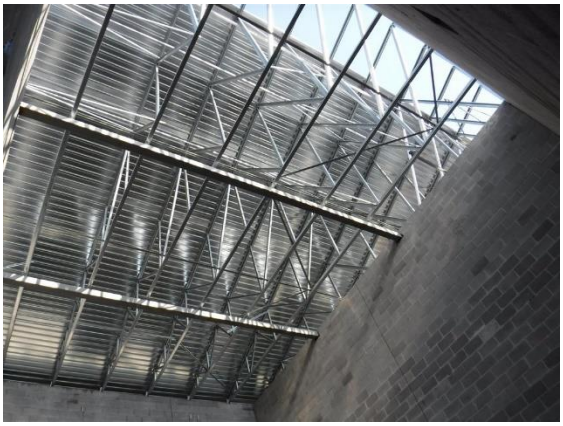

i) Since my last visit, framers and carpenters had installed the metal framing for the drywall partitions and metal door frames in the administrative area.


j) From the rain on Monday, the Cafeteria is still somewhat wet. Roofers are working to dry in this area. The metal framing for the canopy at the entrance needs some adjustment.

k) Additional rough ins have been installed in the Kitchen. The next step is to add the block walls for the interior spaces.



l) The roof trusses that were being installed over Area D during my last visit are now complete. Metal roofing decking was being installed on the trusses while I was on site.

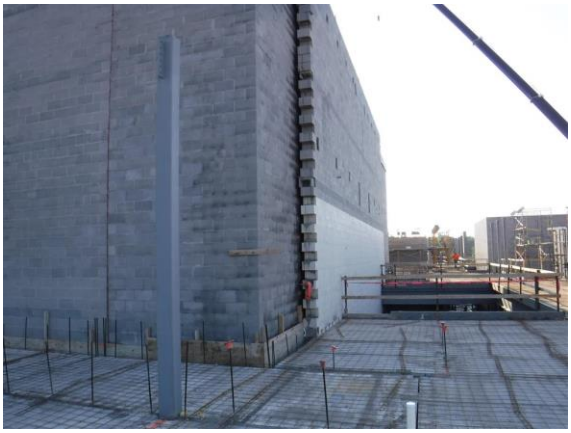


m) The classroom wing in Area B is up to truss bearing height, Most of the interior partitions are in place. Masons were laying block at the remaining interior partitions.

n) Blockwork is being laid for the classroom wings in Area A. Both interior and exterior partitions are being laid.

o) The interior and exterior block walls are being laid in the front most classroom wing in Area A.


p) The last slab over concrete planks is prepared for the pour the first of next week. This completes the interior concrete slabs for the building except for those on the mezzanines above the corridors.

q) Cable trays are being installed in the main corridor. The beams surrounding the central lobby are the deepest due to the spans. Some of the utilities are being rerouted around these beams.

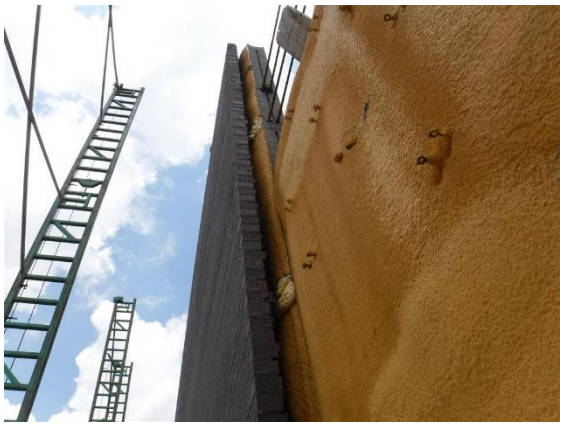

r) Doyle assured me that all of the rust and mud on the structural steel framing will be removed with a wire brush and the primer touched up. That special attention to steel that remains exposed to view after finishes are installed. These surfaces must be prepared for finish painting.




s) The front of the administrative area has been sprayed with foam insulation and is ready for brick. Brick has been laid on the side of the administrative wing. Note the water bottles and trash on the ground. Billy Parsons stressed to the trades at the progress meeting that they need to throw trash away in proper containers.


t) The brick cavity at this corner is adequate to allow ventilation of the back of the brick to keep the wall dry. Flashings with properly installed end dams are also critical in keeping water out of the interior of the wall that might migrate to the interior of the building.

u) The masons are repairing the foam insulation after they remove the outriggers for their plumb lines. In the case below, it appears that they ran out of foam before they laid brick over one of these places needing repair. This can still be corrected, but the mason needs to make sure that these repairs are made to avoid cold spots in the wall and gaps in the vapor barrier provided by the foam insulation. If these problems do occur after the project is complete, brick will need to be removed to assure that these repairs have been properly made. Obviously, this is not an acceptable way to deal with this. These repairs must be made before the brick is laid!



v) Masons were laying brick over the exterior walls at Area D. There were several places where the foam insulation needed to be repaired. Again it appears that they ran out of the repair foam. By the time I had Doyle and Jerry look at this, they had covered the unrepaired areas. Jerry assured me that this would be corrected.

Another concern raised at the progress meeting by John Stith is the staining by the red clay on this site. Doyle told me that Jerry intends to use straw. If straw is used, it must be maintained until sod is placed around the building. John said that permanent staining to the brick will result in the removal and replacement of the damaged brick.

w) The spray insulation also needs to be repaired at the through wall flashings. Before this is done all treaded rods, mortar, loose foam insulation and trash needs to be removed. By the way, the brick in the image to the right is broken and needs to be replaced.

x) The exterior block walls at the front of Area A for the Library/Media Center and classroom wing are being laid.

3. **Stored Material:**

   a. Block, brick, stone, mortar and masonry materials.
   b. Hollow metal door and window frames.
   c. Plumbing piping and accessories.
   d. Conduits and electrical boxes and rough in materials.
   e. Reinforcing bars and wire.
   f. Storm sewer fittings.
   g. Mechanical and electrical equipment.
   h. Light gauge trusses, steel members and deck.
   i. Roofing materials.

4. **Follow up items:**

   a. Maintain the Skudo system so that it protects the corridor slabs.
   b. Clean mud and rust off of steel, and reprime areas where the primer was scraped off of the steel.
   c. All trades shall keep the building and site clean by properly disposing all bottles, bags, wrappers, trash, debris, etc.

Follow up by:

☐ Architect, ☐ Owner, ☐ MEP Engineer, ☐ Structural Engineer, ☐ Civil Engineer
☑ Contractor, ☐ Other

Respectfully submitted,
Joseph Jones, AIA
JRA Architects

Cc: 201752.01, CA8