



FIELD OBSERVATION REPORT

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

Date: 11/3&5/2020

Time: 11:00 AM ET

Weather: Partly Cloudy

Observed by: Joseph Jones

Report No: 36

Est. Completion: 74%

Present on Site:

Masons, Erectors, Roofers, Painters, Mechanical Installers, Electricians

1. Work in Progress for the Two Days I was on Site.

- a. Masons were completing load bearing block in Area B and continuing to lay brick on 11/03/2020 and laying block at the mechanical equipment screen wall on 11/05/2020. The brick cleaners were cleaning the brick on Areas C and D on 11/05/20.
- b. Erectors were installing roof joist over the central corridor on 11/05/2020.
- c. Roofers were installing insulation and vapor barrier over the completed portion of the metal deck over the classroom wing in Area B on 11/03/2020.
- d. Painters were applying block filler in Area D and had moved into the Gym.
- e. HVAC installers were installing ductwork on the second floor of the classroom wing in Area B.
- f. Electricians were installing conduits and back boxes.

2. General Observations

- a) I was on site on Tuesday, November 3 and Thursday November 5. The weather was warm and dry on both days. The site was drying from rain over the weekend. Light rain is expected the middle of the week of 11/9/20.

The masons were laying the last of the load bearing block in Area B on 11/03/20. Load bearing blockwork is now complete in the entire building. The last of the brick continues to be laid at Area A. The exterior walls around the Library/Media Center was sprayed with foam insulation. On 11/05/20, the masons had moved to the block backup for the screen walls around the exterior mechanical/electrical equipment.

The erector was placing steel roof joist over the main corridor on 11/05/20. As of 11/10/20 they have completed the bar joist, installed the deck support angle. Doyle reported that metal roof deck will be in place by 11/13/20.

The general trades contractor continues to install wood blocking, window coverings and provide general cleaning of the building.

Light gauge trusses were being installed over the classroom wings in Area A on 11/10/20. Once the trusses are braced, the metal roof deck will be installed over the trusses. The

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small area of trusses missing metal roof deck over Area B will be ready for deck on 11/13/20.

Painters were on site to start applying block filler in Areas C and D.

Now that the classroom wing in Area B is under protection from the roof above, HVAC installers were installing ductwork. They were also continuing to hydronic piping and ductwork in Areas C and D.

Electricians were installing rough-ins in Areas C and D. The high bay light fixtures were installed in the Gym and the Cafeteria.

The plumbers have been installing rough ins on the second floor along the main corridor and floor drains for the mechanical platform in the classroom wings.

Fire suppression system installers were continuing rough ins.

Observations from November 03, 2020

- b) The block walls on the classroom wings in Area A are topped out. Concrete beams have been poured on the gable ends. Masons continue to lay brick and stone trim on these wings.



- c) Roofers were installing rigid insulation and vapor barrier over the metal deck over the classroom wing in Area B.



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- d) A portion of the roof deck over the classroom wing was not in place due to a missing bent plate. The roofers installed the insulation and vapor barrier over all the metal deck that is on place.



- e) The rear entrance at the end of the main corridor is ready for roofing, brick and curtainwall.



- f) The Skudo system on the first floor of the main corridor was relatively dry.



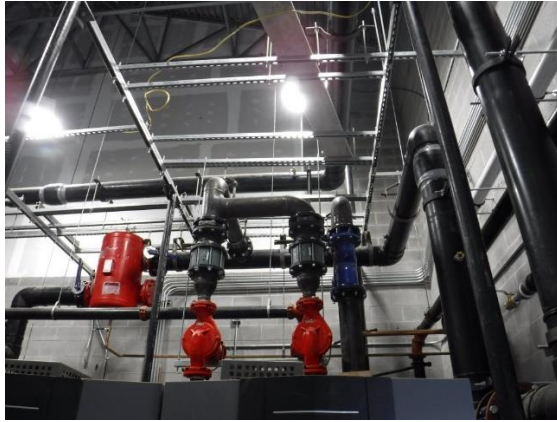
- g) The light fixtures are hung in the Cafeteria. Some of the steel needs to be cleaned.



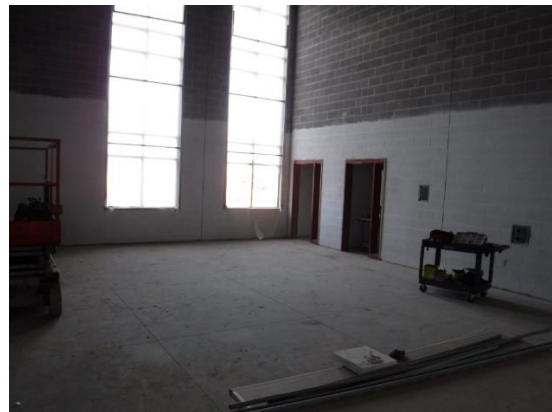
- h) Masons are laying brick between the classroom wings. The process makes the ground area very messy. When they pull out of the area, the ground needs to be cleaned and regraded.



- i) The HVAC installers have placed the equipment, pumps and piping in the mechanical room. They have erected steel framing to support the hydronic piping extending up to the mechanical platform.



- j) The painters have been applying block filler in Areas C and D. With the high-quality temporary lighting, there is ample light for the workers to do their work.





- k) The front wall of the Library/Media Center is on place and the steel roof framing is in place ready for metal roof decking. The repairs have been made to the block bearing and the wall at the back of the vestibule. Block pilasters were being added to the side walls.



- l) The second floor of the main corridor is topped by a high wall that supports steel bar joist and metal deck. When these are in place the built-up roofing can be installed.



- m) The In the second-floor lobby area, the elevator shaft can be seen extending above the mechanical platform. All of this area will be covered with the built-up roof.



- n) The entrance to the Library/Media Center and the steel roof structure are in place. The front wall has high windows to allow ample light into the space. The roof structure is ready for metal roof decking.



- o) Some of the steel framing over the Library has mud clumps that must be removed.



- p) The masons were completing the high wall over the main corridor. The holes near the top of the block will receive the steel framing for the roof.



- q) Rigid roof insulation was stockpiled on the metal roof deck over the classroom wing in Area B. The roofers were working on the other side of the roof.



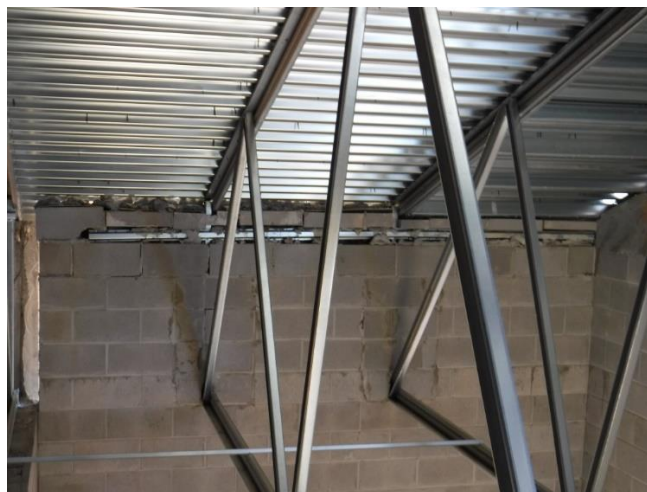
- r) The steel framing is on place over the two classroom wings in Area A. These are ready for metal roof trusses.



- s) From the end of the mechanical platform, the front vestibule and the Library/Media Center can be seen.



- t) Truss bracing at the end of the classroom wing in Area B is in the same plane as the block and does not allow the block to bear on the wall below. I asked Doyle to review this



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- u) From the mechanical platform over Area B, the HVAC installers can be seen preparing to install ductwork on the second floor.



Observations from November 05, 2020.

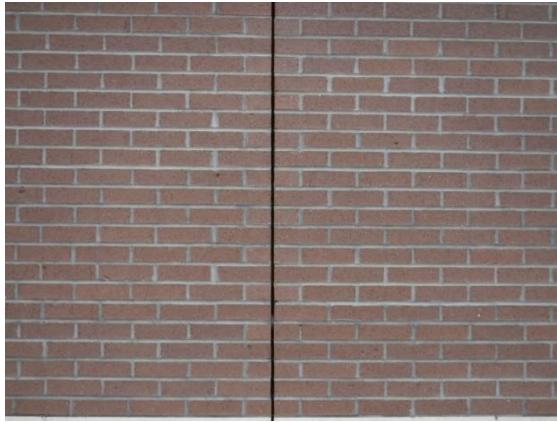
- v) The brick cleaner was cleaning the brick exterior walls at Areas C and D using a pressure washer. The manufacturer of the detergent being used by the cleaner had very restrictive instructions for applying their solution with a pressure washer. I sent a request to Doyle asking him to confirm that the cleaner is following the instructions. The good news is that most of the red mud that was on the brick near the ground was removed by this process. This needs to be reviewed again after the brick is dry and the sun is lighting the walls. Pressure washing must not damage the finished surface of the brick, stone and other materials such as the window framing.



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- w) The cut brick at the movement joints in the brick look better than they did when they were laid, but there still is a difference in color. The amount of this contrast varies with the direction of the sunlight. The brick supplier needs to review this on site and make a recommendation for correction.



- x) The cleaner was washing the brick at the loading dock area.



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- y) The masons were laying the block backup for the screen wall around the exterior mechanical/electrical equipment. The cooling tower is considerably higher than the screen wall. A 4' high guardrail is yet to be installed on top of the cooling tower.



- z) The spray insulation installer had applied foam insulation to the exterior walls of the Library/Media Center in preparation for the walls being covered with brick.



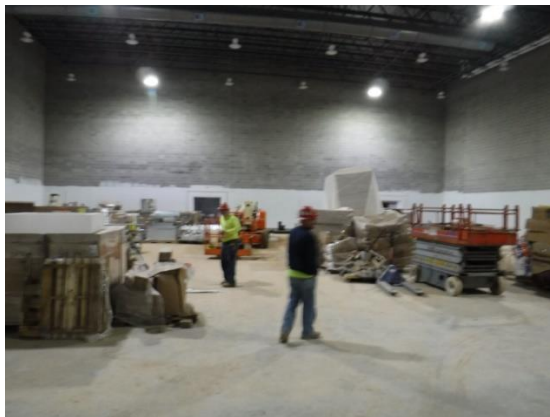
- aa) The steel roof joists were being installed over the main corridor. This work is now complete and steel roof decking installation has been started.



- bb) The rear of the building is almost ready for the installation of the composite panels. Metal "Z" furring and spray insulation will need to be installed first.



- cc) The painters had started the block filler in the Gym.



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. Mechanical equipment.
- f. Light gauge framing and metal deck.
- g. Fire suppression piping and fittings.
- h. Roofing materials.

4. Follow up items:

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

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- d. 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.
- e. Do not damage materials installed by other trades.

Respectfully submitted,
Joseph Jones, AIA
JRA Architects

Cc: 201752.01, CA8