



## FIELD OBSERVATION REPORT

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

Date: 6/04/2020

Time: 9:00 AM ET

Weather: 70/Cloudy

Observed by: Joseph Jones

Report No: 24

Est. Completion: 56%

Present on Site:

Gerald Jones, Masons, Erectors, Light Gauge Truss Installers, Roofers, Sprinkler Installers, Electricians

### 1. Work in Progress

- a. Masons were laying brick around the three sides of Area C and on the north wall of Area B.
- b. Erectors were completing the railings for the mechanical platform over Area B.
- c. Light gauge truss installers were placing trusses over Area B.
- d. Roofers were installing the metal roofing over Area C.
- e. Sprinkler installers were installing piping in Area B.
- f. Electricians were working in Area B.

### 2. General Observations

- a) The weather was mild with cloudy skies. Significant rain occurred later in the day. The site and building were very dry before the rain. The forecast includes a few dry days with thunderstorms possible later next week.

Gerald reviewed the alignment situation with the brick at the windows in Area C. He said the brick that was the most misaligned had been removed. He also said that the remaining brickwork was not perfect but looked acceptable overall. The remaining misalignment was most pronounced standing under the brick edges and looking straight up. Since this is not a normal way of looking at the building, the overall effect is acceptable. There will be some bricks that will need to be replaced after the wall is observed after the brick is cleaned. He said the masons will continue to lay brick and stone trim up to the eaves at Area B and C and at the Gym.

The roofers were installing the metal roofing over Area C. They were installing the low sloped built-up-roof over the Cafeteria starting with the underlayment board and vapor retarder. They also had installed flashings on the Kitchen roof. Refer to Zack Hadden's report for more information on the roofing.

Gerald and the trades involved with the composite panels had a preinstallation meeting to coordinate the work. These panels will be installed over the angle framing once the walls are covered with spray foam insulation.

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Rough ins continue in the building. The fire suppression contractor is catching up. The HVAC installer continues to connect heatpumps on the mezzanine over Area C. Hydronic piping will be run to the units once they are in place. The energy recovery unit was hoisted by crane to the mechanical room over Area A. The electrician continues to rough in electrical work including pulling wire.

Gerald reported that the steel in Area B is almost complete except the handrails that were being installed at the time. The slabs over the mechanical platform and the mechanical room had been poured. Roof trusses were being installed with the front half of Area B covered. The roof decking was complete over the Cafeteria and was almost complete over the Gym. The low sloped roofing systems were being applied over the Cafeteria and then will be applied over the Gym when the decking is complete.

- b) The brick and stone band have been laid up to the eaves on the south wall of Area C. They were at the top of the wall on the east end of Area C. The design requires the mason to recess some brick, to lay some brick in stacked bond and some as soldier courses. All of this was done to add interest to this facade of the building. In spite of the alignment issue, it was good to see progress with the brick. The masons appear to be on their way to laying all masonry. Then, the block needs a final cleaning and detailing. The brick and mortar joints need to be cleaned and detailed.



- c) After John Stith had questioned the alignment of some of the brick at the windows earlier in the week, the mason had removed the worst of the misaligned brick for realignment. This was confined to one area based on the brick which had been removed.



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- d) While the brick edges appear to be fairly straight from a distance, viewing up the wall reveals that there is a considerable amount of variation. This is not the normal way that people will observe the building.



- e) Part of the misalignment is caused by the steel lintels over the heads of the window openings. They are bolted to the back of the block at the exterior wall. It is no longer possible to obtain block that is uniform in thickness and plane. Block suppliers reuse their molds thus resulting in the uneven molds and masonry units. The brick panels over the windows were adjusted for these variations in projection and angle.



- f) Some brick are misaligned in the field panels and will need to be replaced.



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- g) Brick was been laid on the east end of Area C. The brick cavities appeared to be the proper width, were fairly clear of mortar and uniform in size. The walls were in plane.



- h) Brick had been laid up several courses on the north side of Area C and B on to the Preschool area. It is good to see brick covered to keep water out of the cores where work was not ongoing in this area.



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- i) The bottom courses of brick were being laid at the Library/Media Center and on around the Gym.



- j) Metal roofing panels were being installed over Area C. Underlayment board and insulation had previously been installed and sealed to prevent moisture from entering the system. Edge trim, gutters and blocking were in place.



- k) The steel framing over Area B has been installed to carry the mechanical platform and the light gauge roof trusses.



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- l) Light gauge roof trusses were installed over the front portion of Area B. Gerald reported that the work had been slowed due to a mechanical problem with the crane. It had been repaired.



- m) Erectors were installing the steel railing around the mechanical platform over Area B.



- n) The energy recovery unit had been lifted to the mechanical platform level and was sitting in the mechanical room over Area A.



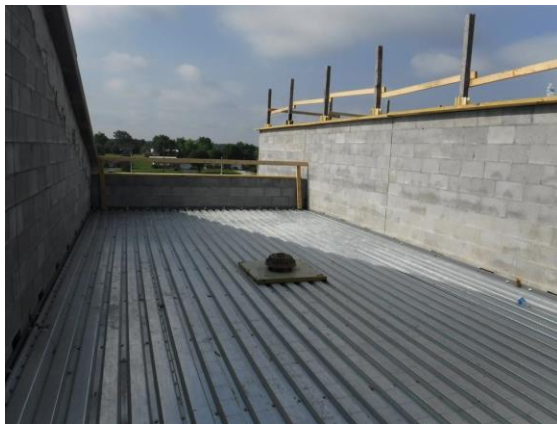
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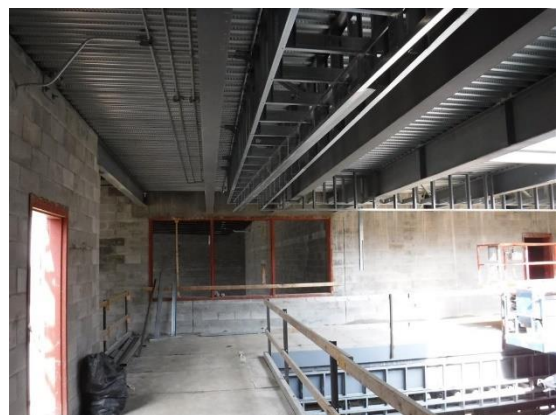
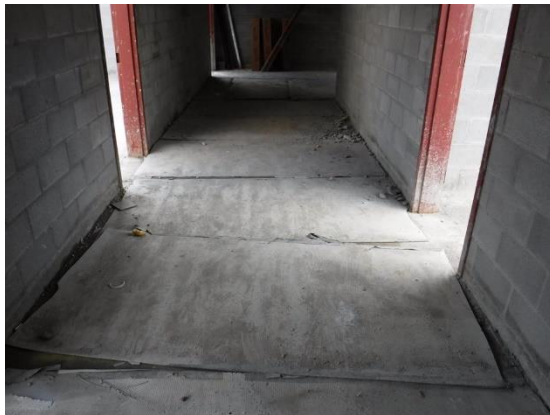
- o) The concrete slab over the elevator shaft is in place. When the roof over Area B is in place, the elevator can be installed in the shaft.



- p) The steel bar joist and metal roof decking over the front and rear entrances to the building at Area B are in place. These areas are ready to receive the low sloped roofing systems.



- q) Now that the corridors are covered on the second floor, this is a good time to straighten up and retape the Skudo board protection system.



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- r) The steel roof joists and most of the metal deck are in place over the Gym. Also note that the floor slab is relatively clean. The steel bar joists and metal roof deck are also in place over the Cafeteria.



- s) Ground source heatpumps are installed on the mechanical platform over Area C. Most are connected to ductwork and are insulated.



- t) Metal angles have been applied at the top portion of the Cafeteria wall to receive the composite panels. Brick will be laid from grade up to the panels.





**3. Stored Material:**

- a. Electrical conduit and boxes and equipment.
- b. Brick and masonry materials.
- c. Roofing materials.
- d. Light gauge steel roof trusses and metal roof deck.
- e. Plumbing and mechanical rough-in materials and equipment.
- f. Sprinkler piping and fittings.

**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.

Follow up by:

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

Respectfully submitted,  
Joseph Jones, AIA  
JRA Architects

Cc: 201752, CA8