



BULLITT COUNTY PUBLIC SCHOOLS
BOARD OF EDUCATION – FEBRUARY 28, 2022

NEW OLD MILL ELEMENTARY SCHOOL – CONSTRUCTION UPDATE



PREVIOUS TWO WEEKS:

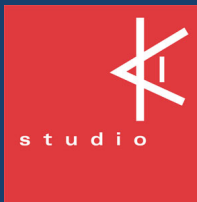
- Rain 2/17, 2/21, 100% rain forecasted for tomorrow (24th) and potential for Friday (25th). Progress the previous two weeks have been slowed by rain/ice/low temperature events.
- Concrete: Slab pours in Kitchen, Upper and Lower Restrooms, Lower-Level C Pump Room and Gym Office. M600 Mechanical Platform and Gym Mechanical Platform.
- Concrete: Several Area B spread footers were placed.
- Masonry – Brick: topped out East side of Area D, moved to Area E. CMU: Installing Kitchen and Lower-Level C gang restrooms.
- Steel – Continued roof joists in Area B and floor joists at the Office mezzanine and “bridge” corridor.
- Metal studs: Completed exterior metal soffit framing all sides of Area D. Installing interior framing of Upper-Level D and Area A.
- Roofing – dried in the Kitchen.
- HVAC – Continued installing Upper-Level Area D.
- Plumbing/Geothermal piping – Installing Upper-Level Area D geothermal piping, working with the mason in the Kitchen.
- Electrical – Installed below grade from transformer to main electrical room and Kitchen. **Switchgear delivery has been delayed from the manufacturer. Estimated ship date is now 4/29.** Continued Upper-Level Area D exposed conduit rough-in. Continued to work with the mason in Kitchen and Restrooms.
- Fire Protection – Installed piping in Upper-Level D, Upper/Lower Area E and Area A.



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Progress Meeting Wednesday, February 23, 2022

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FORECASTED WORK:

- Concrete: Will place the East footer of the Gym and remaining footers in Area B.
- Masonry – Brick: will complete brick veneer around Area E and move to East side of D. CMU: will complete Kitchen, Lower-Level gang restroom, Upper-Level gang restroom and alternate top of wall details at the Gymnasium.
- Steel – Joist and deck in Area B, followed by remaining joists at the Gym.
- Metal studs: Complete remaining Area A and C clerestory at the CMU walls. Interior framing – Area E stud walls.
- Roofing – Install air barrier details at Area A and D clerestories, followed by the Gymnasium roof, then follow the metal stud framing on the Area C clerestory.
- HVAC – Complete Upper-Level Area D installation, followed by Area A. Will crane-lift units on Wednesday 3/2 on the mechanical platforms.
- Plumbing/Geothermal: Rough-in Upper-Level Area C gang restrooms, work with the mason in the Lower-Level Area C restrooms, begin geothermal piping in Area A. Will coordinate remaining Area B below slab sanitary rough-in with trades.
- Electrical – Continue rough-in of Upper-Level D exposed rough-in and Area A exposed. Continue coordination with mason and other trades.
- Fire Protection – Complete Upper-Level Area E, move to Area B and Gymnasium.



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Gym Roof Modification – South Wall built 8"-inch too high:

The recommendation made by SKA once Redlee presented their plan for remediation of the South Gym Wall that was built 8-inches too high was to adjust the overall roof slope from 0.5"/12" to 0.42"/12" to allow the roof joists to remain as installed. Based on the invasiveness of the wall demolition and remediation SKA felt the work to uninstall the long-span roof joists and remove the top portion of the south gym wall would cause an end-result that would be more of a compromise to the project than a slight change in roof slope. Redlee Construction checked with their team to run through any potential issues with the change – they found all subcontractors could accommodate the proposed recommendation from SKA.



Justification

- Project can continue forward without delay if work is kept as installed.
- The masonry Wall at south end of gym can remain in place and undisturbed. All structural components of the bearing wall and roof joists can remain installed per design documents. **This leaves construction in “new” condition.**
- Any dismantlement of construction poses a risk of damage to materials and assemblies. While the remediation would be required to be design criteria set forth in the Construction Documents – **repairs are not preferred over new construction.**
- Per the roofing manufacturer – **Garland Roofing does not take issue with providing the same warranty on this roofing system at the reduced slope of 0.42” per 12” and did not cite any concerns over drainage as a result.** A confirmation letter from that company has been provided to the District.
- Visually – the Gym volume does not look noticeably different from the original design.
- Gym Height - The overall Gym interior height is increased by 8-inches at the south wall then tapers to the original design height at the north wall.

Shelby County Schools and Hardin County Schools both have Gymnasiums built with a 0.25"/12" roof slope and have confirmed no issues have resulted based on roof slope.



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Gym Roof Modifications
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Change Order Update

No Change Orders on Tonight's Agenda.

Use of the Soil Stabilization Allowance to Date:

Billing: No billing this month:

Soil Allowance Balance: \$142,683.04

Other Allowance:

No Billing to date.



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Drone Aerial Footage - February 10, 2022

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