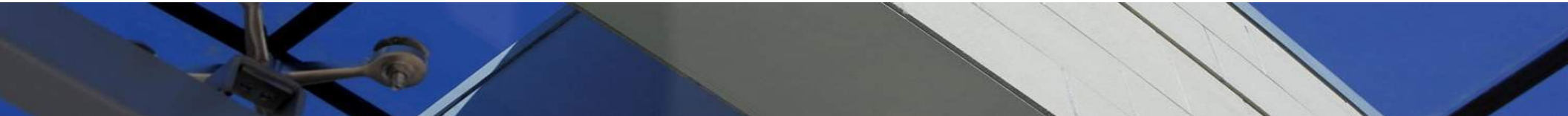




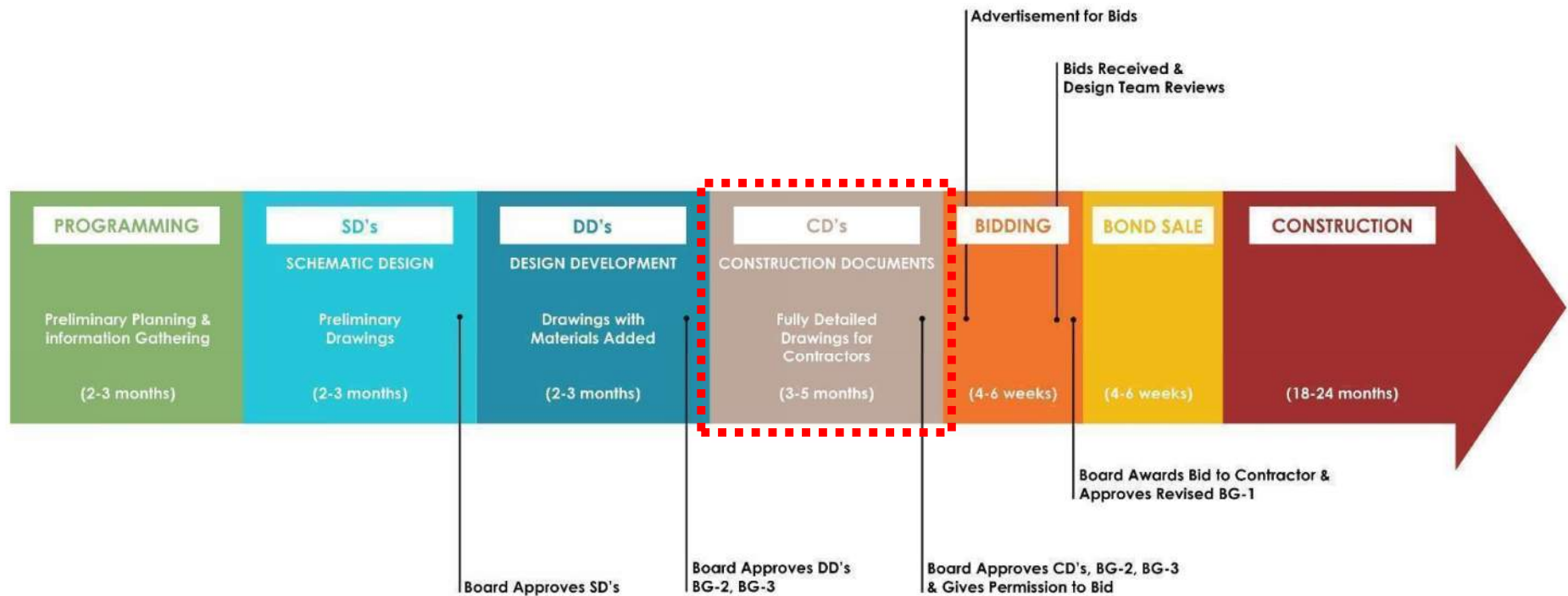
New Mercer County Elementary School

December 12, 2023



PROJECT SCHEDULE:

CURRENT PHASE: CONSTRUCTION DOCUMENTS (CD'S)



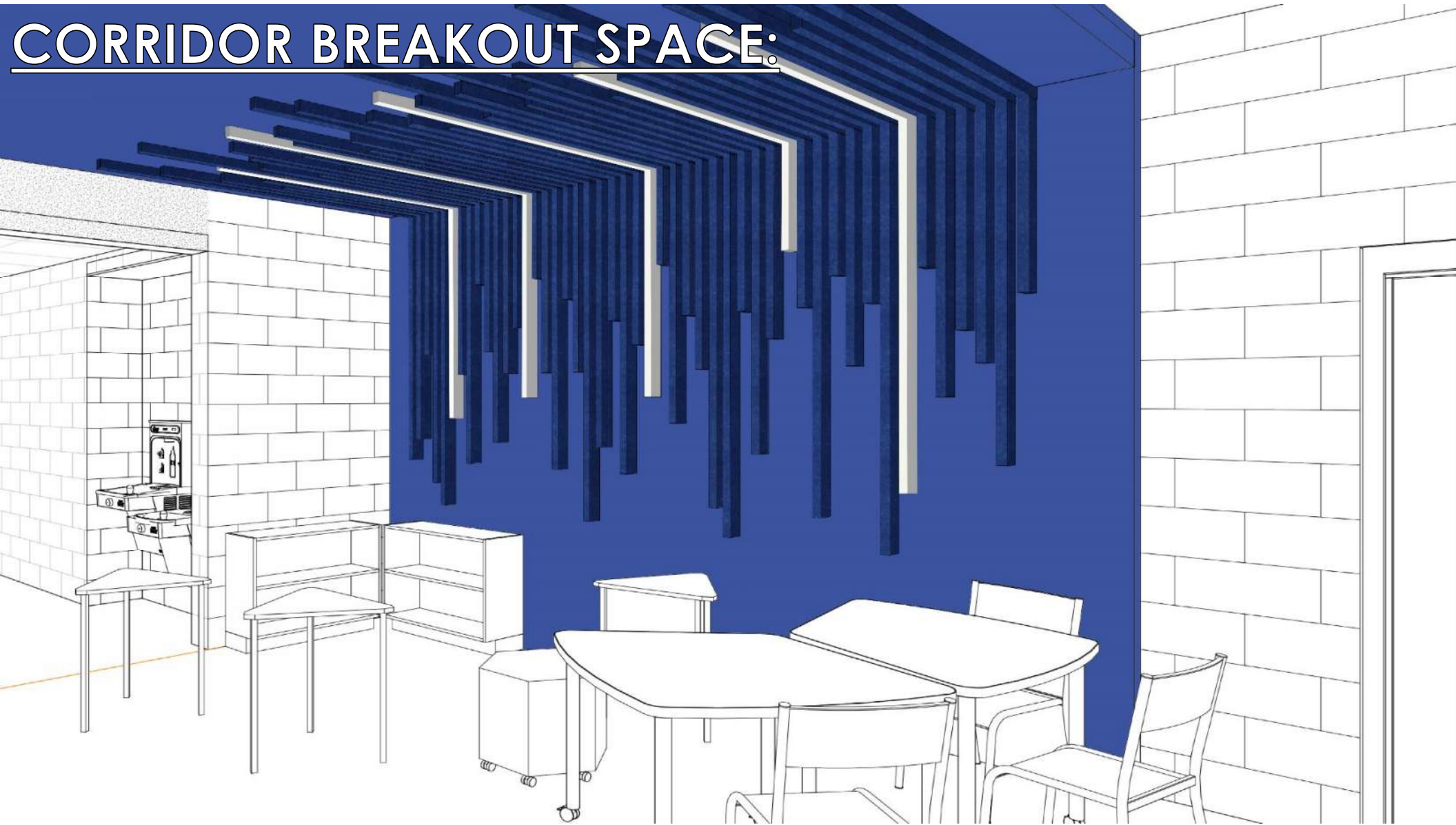
BUILDING INTERIOR



CLASSROOM CORRIDOR:



CORRIDOR BREAKOUT SPACE:



CAFETERIA:



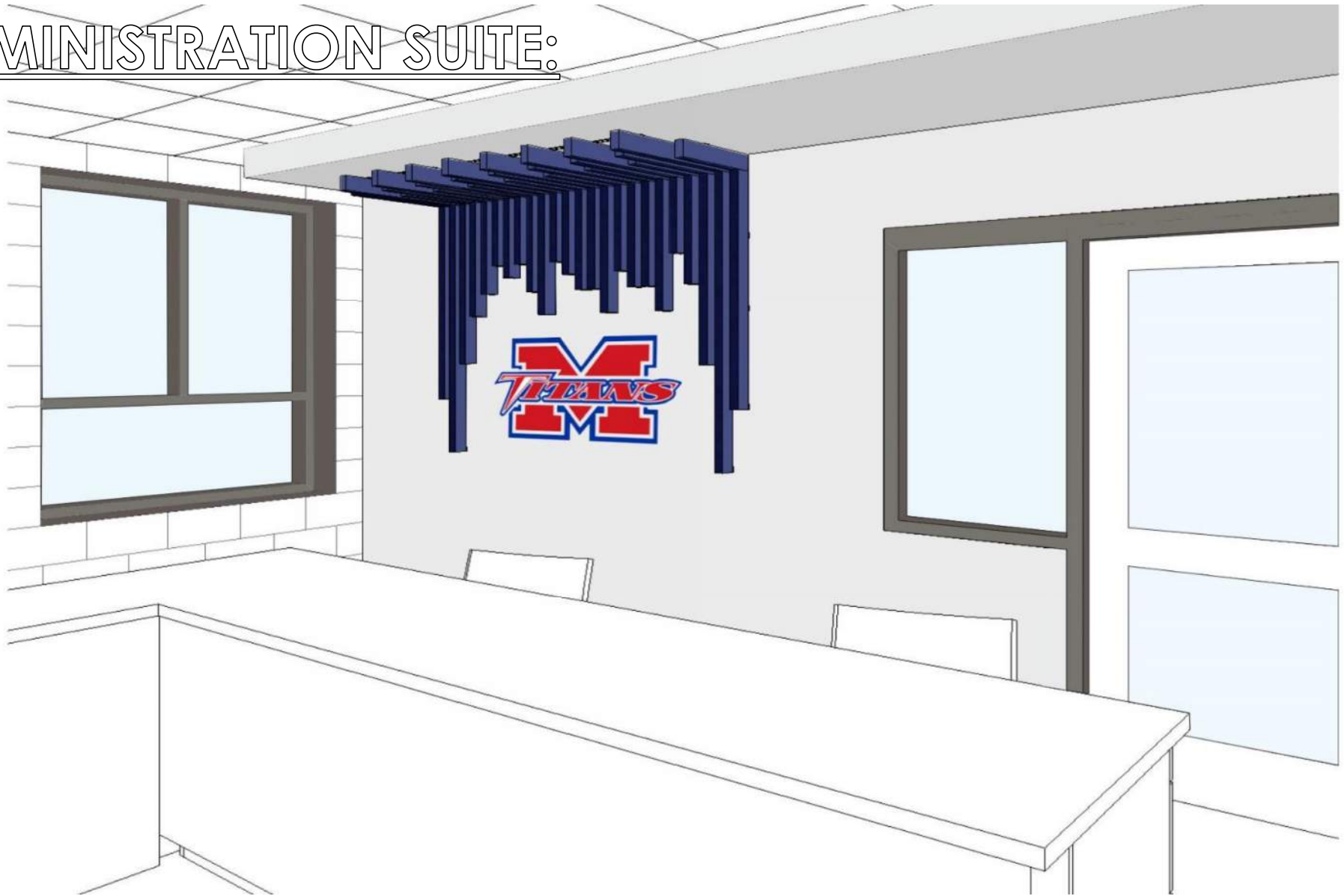
MEDIA CENTER:



MAIN CORRIDOR:



ADMINISTRATION SUITE:



**BUILDING
EXTERIOR**

The image features the words "BUILDING EXTERIOR" in a large, bold, white, sans-serif font. The letters are filled with a collage of various building exterior photographs, including modern office buildings, industrial structures, and residential complexes. The background is a solid black, which makes the white text stand out prominently. The overall composition is centered and balanced.

MATERIAL CHOICES:

District Material Choices:

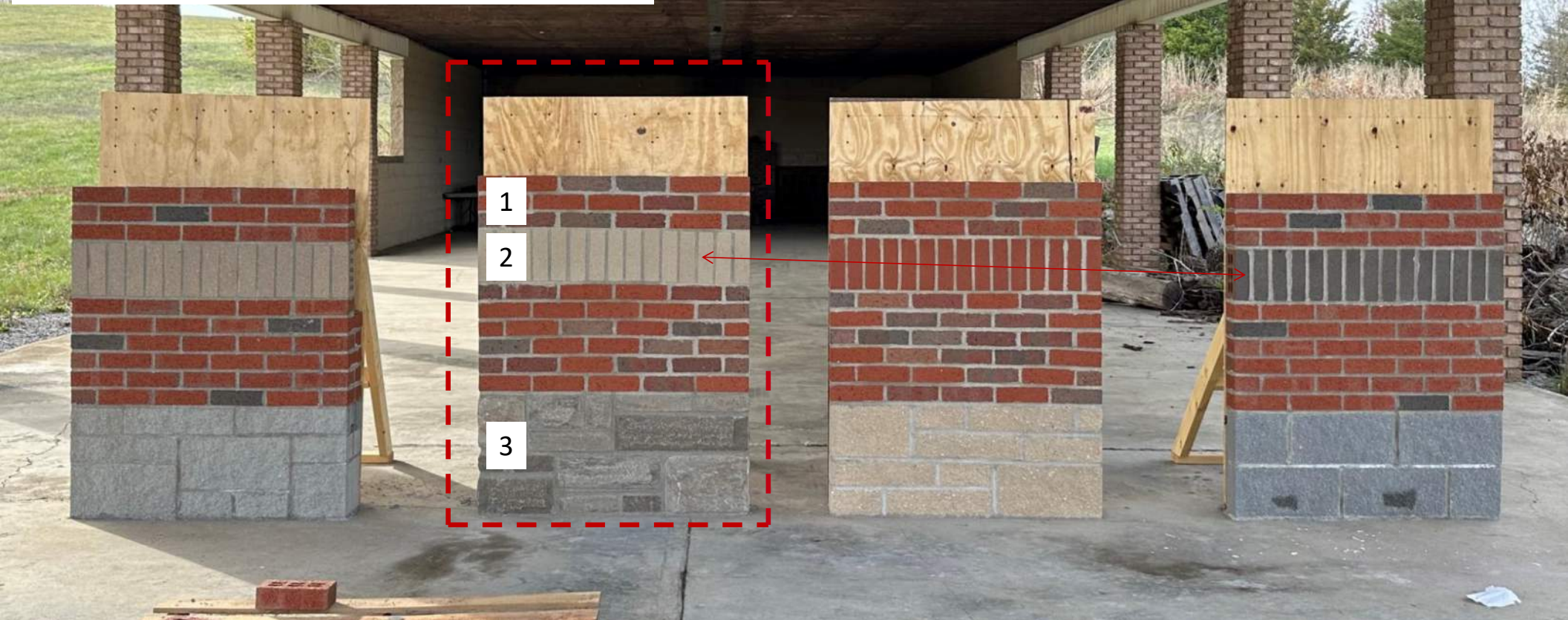
- 1.) Belden - Indian Red Full Range
- 2.) Belden – Pull darkest “grey” from Indian Red FR
- 3.) Arriscraft – Citadel Infinity



MASONRY MOCK-UP PANELS:

District Material Choices:

- 1.) Belden - Indian Red Full Range
- 2.) Belden – Pull darkest “grey” from Indian Red FR
- 3.) Arriscraft – Citadel Infinity



FRONT OF SCHOOL:



VIEW FROM VISITOR PARKING:



FRONT PLAZA:



ENTRY CANOPY - BUTTERFLY:



COURTYARD:



VIEW AT SITE ENTRY:



VIEW FROM INDUSTRY ROAD:



PROJECT SCHEDULE:



Project Schedule:

- SD Documents to Board May 2023
- DD Documents to Board August 2023
- CD Documents to Board December 2023
- Bid Open / Contact Award March 2024
- Begin Construction April 2024
- Substantial Completion April 2026

BG2

KENTUCKY DEPARTMENT OF EDUCATION
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BG-2
OUTLINE SPECIFICATIONS ENERGY DESIGN CRITERIA

District Name: Mercer County District Code: 421 Facility Name: Mercer County Elementary School Code: _____

Project Name: New Mercer County Elementary School

PROJECT TYPE: Yes No Gross Building Area (sq ft): _____
 New Building Addition Renovation 72,182 SF

Provisions for Future Expansion: A future addition for another grade level is planned on the Site Plans

Proposed Alternates:
 (1) Owner Preferred Hardware/Access Controls
 (2) Owner Preferred Masonry Manufacturer
 (3) Owner Preferred Finish Manufacturer
 (4) Terrazzo in Corridors
 (5) Blue Loop carpet
 (6) Wall Tile in Public Restrooms at 1st and 2nd grade
 (7) Copper hardware up to drain/fixture panel

Describe special conditions, phasing of project and alternates, attach a supplemental sheet, if needed.

BUILDING CONSTRUCTION CHARACTERISTICS:

Description of Building Structure:
 Foundation: Concrete footers and stem walls
 Exterior Walls: Load bearing CMU with spray foam insulation and masonry veneer
 Roof Structure: 1: Cold formed Insulars, metal deck, polyiso insulation, metal roofing
2: Metal joists, metal deck, polyiso insulation, PVC roof membrane

ENERGY EFFICIENT DESIGN (KRS 197.459 and KRS 197.455):

Energy Consumption "Existing" (kBtu/sf/yr): 0
 Energy Consumption Target (kBtu/sf/yr): 22

YES NO
 LEED Certified Other: _____
 Designed to meet Energy Star
 Exceeds ASHRAE 90.1(2007) by 10% (Minimum)
 Whole Building Life Cycle Cost Analysis Demonstrating Cost Effective Design
 Life Cycle Cost Analysis Software Used: _____

If not yes to one or more of the above, explain why.

Designed to be Net-Zero
 Designed to be Net-Zero Ready

Energy Efficient Design Features: (See List Page 4, or Use Drop Down List)
 East / West Building Orientation: YES NO

Gross Exterior Wall Area (sf): 32,158 Avg. Exterior Wall R-Value: 19
 Gross Window / Door Area (sf): 4,772 SF Avg. Window/Door R-Value: 3.5
 Gross Roof Area (sf): 79,075 SF Avg. Roof R-Value: 25

Exterior Wall Type: 8 - face brick, sprayed on spurs, sprayed insulation on CMU Other: _____
 Roofing Type: 0 - metal roofing over white deck with insulation Other: _____
 HVAC System Type: 0 - ground source heat pump system with air side up Other: _____
 Classroom Lighting: 0 - other Other: LED
 Active Daylighting: 0 - none Other: _____
 Passive Daylighting: 0 - none Other: _____
 On Site Energy Generation: 0 - none Other: _____

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702 KAR 4:160

BG-2
OUTLINE SPECIFICATIONS ENERGY DESIGN CRITERIA

Air Purification Systems: YES NO
 Gray Water System: YES NO
 Low Water Use Fixtures: YES NO
 Other: _____

PLUMBING:
 Type of Sewage Disposal: Force main connected to municipal force main

HEATING, VENTILATION AND AIR CONDITIONING:
 Heating Only: _____ Heating & Mechanical: _____ HVAC: X A/C Only: _____
 Ventilation Only _____

Fuel Source/Backup (if applicable): N/A

ELECTRICAL:

Source of Electric Power: KU Lighting Intensity (fc.):
 SM. Classrooms 50
 Library/Media Ctr 75
 Science Lab N/A
 Science Ctr N/A
 Band/Music 50
 Business Ed N/A
 Shops N/A
 Corridors 30
 Stairways 30
 Cafeteria 50
 Pre-School Ctr 75
 Art Classroom 100
 Gymnasium 50

Voltage Serving Facility: 480

Number of Convenience Outlets:
 Classrooms 8
 Library/Media Center 12
 Business Ed N/A
 Family & Consumer Science N/A

Camera System: Yes

SPECIAL EQUIPMENT:

System	Conduit Only	Conduit & Wiring	Complete with Equipment
Bell		X	
Clock			X
Fire Alarm			X
Intercom			X
Telephone	X		
Television		X	
Computer		X	
Wireless Network		X	
Interactive White Bd		X	
Voice Amplification			X

FIXED EQUIPMENT:

Teacher Cabinet	Yes	Cuboidal Room Shelves	n/a
Student Lockers	n/a	Science Laboratories	n/a
Folding Bleachers	Yes	Family & Consumer Sci	n/a
Library Furnishings	Yes (mobile)	Other	n/a
Dry Food Shelves	Yes	Other	n/a

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BG-2
OUTLINE SPECIFICATIONS ENERGY DESIGN CRITERIA

INTERIOR FINISH SCHEDULE:

AREA	FLOOR	WAINSCOT	WALLS	CEILING
General Office	LVT or Carpet	NA	Paint	ACT
Corridors	Terrazzo/LVT	Paint	Paint	ACT & Painted Gyp, Acous. Bar
Custodial	Sealed Concrete	NA	Paint	Exposed, No Paint
Kitchen	Quarry Tile	NA	Paint	Scrubbable ACT
Cafeteria	LVT (Alt: Terrazzo)	Paint	Paint	ACT & Painted Gyp
Gym	Wood	Paint	Paint	Exposed
Showers/Locker	NA			
Toilets	Porcelain Tile	Porcelain Tile	Paint	ACT
Library/Media Ctr	LVT/Carpet	NA	Paint	ACT and Baffles
Classrooms	VCT	NA	Paint	ACT
Music	VCT	NA	Paint	ACT, Acoustical Panels at wall
Art	VCT	NA	Paint	ACT
Science	NA			
FMD	VCT	NA	Paint	ACT
OTHER AREAS				
STEAM	LVT	Paint	Paint	ACT and Baffles

Miscellaneous Project Specific Features: _____

Kentucky Registered Architect: Beth Bauer Date: 12/4/2023
 Signature

Kentucky Registered Engineer: Anna R. Shurt Date: 12/9/2023
 Signature

Board Designee or Superintendent: _____ Date: _____
 Signature

BG3

District Name: Mercer County District Code: 421 Facility Name: Mercer County Elementary School Code: _____

Project Name: New Mercer County Elementary School

Project Phase:	Design Development: <input type="checkbox"/>	Construction Documents: <input checked="" type="checkbox"/>
1. Site Development	\$	<u>6,250,000</u>
2. General Construction	\$	<u>10,957,500</u>
3. Heating, Ventilation & Air Conditioning	\$	<u>6,800,000</u>
4. Plumbing (Include Sprinkler System)	\$	<u>2,200,000</u>
5. Electrical Work	\$	<u>4,100,000</u>
6. Sewage Disposal System	\$	_____
7. Total Construction Cost (1-6)		\$ <u>30,307,500.00</u>
8. Site Acquisition Cost (Purchase Price)	\$	_____
9. Legal Services	\$	_____
10. Fiscal Agent Fee	\$	<u>158,600</u>
11. Bond Discount	\$	<u>727,000</u>
12. Architect/Engineer Fee	\$	<u>1,606,297.50</u>
13. Construction/Manager Fee (if Applicable)	\$	<u>888,250.00</u>
14. Equipment/Furnishings (Not Fixed)/Computers	\$	<u>820,000</u>
15. Property & Topographic Survey	\$	<u>14,250</u>
16. Geotechnical Survey & Report	\$	<u>14,780</u>
17. Special Inspections	\$	<u>150,000</u>
18. Asbestos Abatement	\$	<u>0</u>
19. Commissioning Fee	\$	<u>50,000</u>
20. Plan Review Fee	\$	<u>11,000</u>
21. Printing & Distribution of Bid Docs	\$	<u>37,000</u>
22. Contingencies - Minimum 5% of Line 7	\$	<u>1,515,375.00</u>
23. Other Cost (Describe) Bank & Rating/Builders Risk Ins.	\$	<u>73,850</u>
24. Total Other Cost (8-23)		\$ <u>6,066,402.50</u>
25. TOTAL PROJECT COST (line 7 + line 24)		\$ <u>36,373,902.50</u>
a. Gross Square Foot Area*		<u>72,182</u>
b. Total Cost Per Square Foot		<u>503.9192943</u>
c. Total Cost Per Pupil		\$ <u>58,198.24</u>
d. Gross Sq. Ft. Area of Alternates * Base Bid Area Only		<u>4358</u>

Kentucky Registered Architect/Engineer: Beth Bower Date: 12/5/2023

Construction Manager: Cris Fayer Date: 12/05/2023

Board of Education Designee: _____ Date: _____



QUESTIONS