

District Name: Boone County District Code: 035 Facility Name: Boone County High School School Code: 030
Project Name: Fieldhouse - Locker Buildings REH Project #129-1024-A Date: July 10, 2025

PROJECT TYPE: Yes No Gross Building Area (sf.)
New Building ☒ ☐ 14,936
Addition ☐ ☐ _____
Renovation ☐ ☐ _____

Provisions for Future Expansion: None

Proposed Alternates: (1) None
(2) _____
(3) _____

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

BUILDING CONSTRUCTION CHARACTERISTICS:

Description of Building Structure:

Foundation: Concrete

Exterior Walls: Concrete block and face brick

Roof Structure: Metal deck, steel joists and EPDM membrane

ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455):

n/a Energy Consumption "Existing" (kBtu/sf/yr)

45 Energy Consumption Target (kBtu/sf/yr)

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): 13,223 Avg. Exterior Wall R-Value: 18

Gross Window / Door Area (sf): 763 Avg. Window/Door R-Value: 4

Gross Roof Area (sf): 14,936 Avg. Roof R-Value: 28

Exterior Wall Type: A - face brick, captured air space, board insulation and waterproof CMU Other: _____

Roofing Type: B - EPDM over rigid insulation Other: _____

HVAC System Type: L - Other Other: _____

Classroom Lighting: E - other Other: LED, not classroom

Active Daylighting: B - occupancy light control sensors Other: _____

Passive Daylighting: G - none Other: _____

On Site Energy Generation: F - other Other: none

OUTLINE SPECIFICATIONS ENERGY DESIGN CRITERIA

Project: Boone County High - Fieldhouse - Locker Buildr REH Project #129-1024-A

Date: July 10, 2025

Air Purification Systems : YES ☐ NO ☒Gray Water System : YES ☐ NO ☒Low Water Use Fixtures : YES ☒ NO ☐

Other: _____

PLUMBING:Type of Sewage Disposal: Municipal**HEATING, VENTILATION AND AIR CONDITIONING:**Heating Only: _____ Heating & Mechanical: _____ HVAC: X A/C Only: _____
Ventilation Only: _____Fuel Source/Backup (If applicable): Natural Gas**ELECTRICAL:**Source of Electric Power: Utility TransformerVoltage Serving Facility: 120/208 Volts

Number of Convenience Outlets: _____

Classrooms N/ALibrary/Media Center N/ABusiness Ed N/AFamily & Consumer Science N/ACamera System: None

Lighting Intensity (fc.):

Std. Classrooms N/ALibrary/Media Ctr N/AScience Lab N/AScience Ctrm N/ABand/Music N/ABusiness Ed N/AShops N/ACorridors N/AStairways N/ACafeteria N/APre-School Ctrm N/AArt Classroom N/AGymnasium N/A**SPECIAL EQUIPMENT:**

System	Conduit Only	Conduit & Wiring	Complete with Equipment
Bell	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Clock	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Fire Alarm			<u>X</u>
Intercom	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Telephone	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Television		<u>X</u>	
Computer		<u>X</u>	
Wireless Network		<u>X</u>	
Interactive White bd	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Voice Amplification	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

FIXED EQUIPMENT:

Teacher Cabinet		Custodial Room Shelves	
Student Lockers	<u>X</u>	Science Laboratories	
Folding Bleachers		Family & Consumer Sci	
Library Furnishings		Other	
Dry Food Shelves		Other	

Project: Boone County High - Fieldhouse - Locker Buil REH Project #129-1024-A

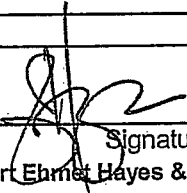
Date: July 10, 2025

INTERIOR FINISH SCHEDULE:

AREA	FLOOR	WAINSCOT	WALLS	CEILING
General Office	Epoxy		CMU	Acoustic
Corridors	Epoxy		CMU	Acoustic
Custodial	Concrete		CMU	Exposed
Kitchen				
Cafeteria				
Gym				
Showers/Locker	Epoxy		CMU	Drywall
Toilets	Epoxy		CMU	Drywall
Library/Media Cntr				
Classrooms				
Music				
Art				
Science				
FMD				
OTHER AREAS				
Auditorium				
Stage				

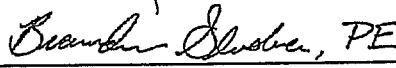
Miscellaneous Project Specific Features:

Kentucky Registered Architect:


Signature
Robert Ernest Hayes & Associates, PLLC

Date: 6/19/2025

Kentucky Registered Engineer:


Signature
ShROUT Tate Wilson

Date: 6/19/2025

Board Designee or Superintendent:

Signature
Boone County Board of Education

Date: _____

Energy Efficient Design Features Lists

Exterior Wall Type

- A - face brick, captured air space, board insulation and waterproof CMU
- B - face brick, captured air space, sprayed insulation on CMU
- C - face brick, captured air space, sheathing over metal insulated stud system, interior finish system
- D - face brick, ICF poured concrete, interior finish system
- E - other, describe

Roofing Type List

- A - modified bitumen over rigid insulation
- B - EPDM over rigid insulation
- C - plastic single ply over rigid insulation
- D - metal roofing over nailable deck with insulation
- E - asphalt shingle roofing over nailable deck with insulation
- F - other, describe

HVAC System Type List

- A - two pipe unit ventilator system
- B - water source heat pump system with air make up
- C - ground source heat pump system with air make up
- D - hybrid water source heat pump system with boiler/chiller and well field with air make up
- E - variable refrigerant flow (VRF) with air make up
- F - hybrid geothermal/variable refrigerant flow (VRF) with air make up
- G - variable refrigerant volume (VRV) with air make up
- H - hybrid geothermal/variable refrigerant volume (VRV) with air make up
- I - chilled beam system
- J - hybrid chilled beam/geothermal system
- L - other

Classroom Lighting List

- A - T8 fluorescent fixtures
- B - T5 fluorescent fixtures
- C - high energy gas fixtures
- D - low voltage systems
- E - other

Active Daylight System List

- A - classroom fluorescent dimming including dimming switches, ballasts and sensors
- B - occupancy light control sensors
- C - remote sensor bi-level lighting with no fixtures dimming
- D - manual bi-level lighting with no fixture dimming
- E - other
- F - none

Passive Daylight Systems List

- A - upper classroom clerestory lighting with sloped ceiling plane
- B - lower classroom clerestory lighting that does NOT require sloping the ceiling plane
- C - exterior light shelves
- D - solar tubes without dimming
- E - solar tubes with internal dimmers
- F - other
- G - none

On Site Energy Generation List

- A - solar water heating
- B - solar electric generation (small units for demonstration or for limited areas)
- C - solar electric generation (to support the entire building's energy needs)
- D - wind generation (small units for demonstration or for limited areas)
- E - wind generation (to support the entire building's energy needs)
- F - other

For Reference

District Name: Boone County District Code: 035 Facility Name: Boone County High School School Code: 030
Project Name: Fieldhouse - Storage Building REH Project #129-1024-A Date: July 10, 2025

PROJECT TYPE: Yes No Gross Building Area (sf.)
New Building ☒ ☐ 1,360
Addition ☐ ☐ _____
Renovation ☐ ☐ _____

Provisions for Future Expansion: None

Proposed Alternates: (1) None
(2) _____
(3) _____

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

BUILDING CONSTRUCTION CHARACTERISTICS:

Description of Building Structure:

Foundation: Concrete

Exterior Walls: Concrete block and face brick

Roof Structure: Metal deck, steel joists and EPDM membrane

ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455):

n/a Energy Consumption "Existing" (kBtu/sf/yr)

20 Energy Consumption Target (kBtu/sf/yr)

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): 1,786 Avg. Exterior Wall R-Value: 10

Gross Window / Door Area (sf): 98 Avg. Window/Door R-Value: 4

Gross Roof Area (sf): 1,360 Avg. Roof R-Value: 8

Exterior Wall Type: E - other, describe Other: CMU and face brick

Roofing Type: B - face brick, captured air space, sprayed insulation on CMU Other: _____

HVAC System Type: L-Other Other: _____

Classroom Lighting: E - other Other: LED, not classroom

Active Daylighting: B - occupancy light control sensors Other: _____

Passive Daylighting: G - none Other: _____

On Site Energy Generation: G - none Other: _____

Project: Boone County High - Fieldhouse - Storage Build REH Project #129-1024-A

Date: July 10, 2025

Air Purification Systems : YES ☐ NO ☒

Gray Water System : YES ☐ NO ☒

Low Water Use Fixtures : YES ☐ NO ☒

Other: _____

PLUMBING:

Type of Sewage Disposal: N/A

HEATING, VENTILATION AND AIR CONDITIONING:

Heating Only: _____ Heating & Mechanical: x HVAC: _____ A/C Only: _____
Ventilation Only

Fuel Source/Backup (If applicable): _____

ELECTRICAL:

Source of Electric Power: Utility Transformer

Voltage Serving Facility: 120/240 Volts

Number of Convenience Outlets: _____

Classrooms N/A

Library/Media Center N/A

Business Ed N/A

Family & Consumer Science N/A

Camera System: N/A

Lighting Intensity (fc.):

Std. Classrooms N/A

Library/Media Ctr N/A

Science Lab N/A

Science Ctrm N/A

Band/Music N/A

Business Ed N/A

Shops N/A

Corridors N/A

Stairways N/A

Cafeteria N/A

Pre-School Ctrm N/A

Art Classroom N/A

Gymnasium N/A

SPECIAL EQUIPMENT:

System	Conduit Only	Conduit & Wiring	Complete with Equipment
Bell	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Clock	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Fire Alarm	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Intercom	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Telephone	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Television	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Computer	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Wireless Network	<u>N/A</u>	<u>X</u>	<u>N/A</u>
Interactive White bd	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
Voice Amplification	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

FIXED EQUIPMENT:

Teacher Cabinet	<u>N/A</u>	Custodial Room Shelves	<u>N/A</u>
Student Lockers	<u>N/A</u>	Science Laboratories	<u>N/A</u>
Folding Bleachers	<u>N/A</u>	Family & Consumer Sci	<u>N/A</u>
Library Furnishings	<u>N/A</u>	Other	<u>N/A</u>
Dry Food Shelves	<u>N/A</u>	Other	<u>N/A</u>

Project: Boone County High - Fieldhouse - Storage Bu REH Project #129-1024-A

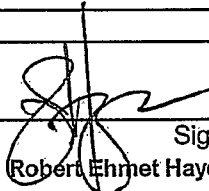
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Toilets				
Library/Media Cntr				
Classrooms				
Music				
Art				
Science				
FMD				
OTHER AREAS				
Storage	Concrete	N/A	CMU	Exposed
Auditorium				
Stage				

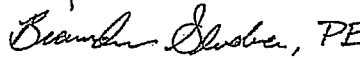
Miscellaneous Project Specific Features:

Kentucky Registered Architect:


Signature
Robert Ehmet Hayes & Associates, PLLC

Date: 6/19/2025

Kentucky Registered Engineer:


Signature
ShROUT Tate Wilson

Date: 6/19/2025

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- E - wind generation (to support the entire building's energy needs)
- F - other

For Reference

Adamisin, Teresa

From: Amy Sanders <aesanders@reharchitects.com>
Sent: Thursday, June 19, 2025 2:26 PM
To: Adamisin, Teresa
Subject: Boone County High - Fieldhouse: DDs, BG-2, BG-3
Attachments: REHA.Scans2@gmail.com_20250619_141607.pdf

EXTERNAL MESSAGE

Here is cover letter and BG-3.
I am waiting on STW for final info for BG-2.

I will email PDFs of drawings shortly - I gave everyone until 3:00 today to finalize.

All originals to follow

-----Original Message-----

From: reha.scans2@gmail.com <reha.scans2@gmail.com>
Sent: Thursday, June 19, 2025 2:16 PM
To: aesanders@reharchitects.com
Subject: Scanned image from Robert Ehmet Hayes & Associates

Reply to: REHA.Scans2@gmail.com <REHA.Scans2@gmail.com> **Device Name:** Robert Ehmet Hayes & Associates **Device Model:** MX-4071
Location: Not Set

File Format: PDF (Medium)
Resolution: 300dpi x 300dpi

Attached file is scanned image in PDF format.
Use Acrobat(R)Reader(R) or Adobe(R)Reader(R) of Adobe to view the document.
Adobe(R)Reader(R) can be downloaded from the following URL:
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<http://www.adobe.com/>

District Name: Boone County District Code: 035 Facility Name: Boone County High School School Code: 030

Project Name: Fieldhouse REH Project #129-1024-A Date: 7/10/25

Project Phase: Design Development: ☒ Construction Documents: ☐

1. Site Development	\$	625,000	
2. General Construction	\$	2,950,000	
3. Heating, Ventilation & Air Conditioning	\$	1,100,000	
4. Plumbing (Include Sprinkler System)	\$	275,000	
5. Electrical Work	\$	550,000	
6. Sewage Disposal System	\$		
7. Total Construction Cost (1-6)			5,500,000
8. Site Acquisition Cost (Purchase Price)	\$		
9. Legal Services	\$		
10. Fiscal Agent Fee	\$	20,000	
11. Bond Discount	\$		
12. Architect/Engineer Fee	\$	310,750	
13. Construction/Manager Fee (if Applicable)	\$		
14. Equipment/Furnishings (Not Fixed)/Computers	\$		
15. Property & Topographic Survey	\$	10,000	
16. Geotechnical Survey & Report	\$	10,000	
17. Special Inspections	\$	40,000	
18. Asbestos Abatement	\$		
19. Commissioning Fee	\$	15,000	
20. Plan Review Fee	\$		
21. Printing & Distribution of Bid Docs	\$	2,000	
22. Contingencies - Minimum 5% of Line 7	\$	275,000	
23. Testing and Balancing	\$	5,000	
24. Total Other Cost (8-23)			687,750
25. TOTAL PROJECT COST (line 7 + line 24)			\$6,187,750

a. Gross Square Foot Area* _____
b. Total Cost Per Square Foot \$ _____
c. Total Cost Per Pupil \$ _____
d. Gross Sq. Ft. Area of Alternates _____
* Base Bid Area Only

Kentucky Registered Architect/Engineer:  Date: 6/19/2025
Robert Emmet Hayes & Associates, PLLC

Board of Education Designee: _____ Date: _____