

District Name: Boone County District Code: 035 Facility Name: Conner High School School Code: 045

Project Name: Fieldhouse REH Project #129-523-A Date: October 12, 2023

PROJECT TYPE: Yes No Gross Building Area (sf.)

New Building ☒ ☐ 12,224

Addition ☐ ☒ _____

Renovation ☐ ☒ _____

☐ ☐

Provisions for Future Expansion: _____

Proposed Alternates: (1) _____
(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: Cavity wall with CMU, Insulation and finish brick

Roof Structure: EPDM on metal deck

ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455):

N/A Energy Consumption "Existing" (kBtu/sf/yr)

50 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): 7,672 Avg. Exterior Wall R-Value: _____

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

Gross Roof Area (sf): 11,895 Avg. Roof R-Value: _____

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

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

HVAC System Type: L - other Other: Packaged rooftop

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

Active Daylighting: F - none Other: _____

Passive Daylighting: G - none Other: _____

On Site Energy Generation: F - other Other: _____

OUTLINE SPECIFICATIONS ENERGY DESIGN CRITERIA

Project: Conner High - Fieldhouse

REH Project #129-523-A

Date: October 12, 2023

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 OnlyFuel Source/Backup (if applicable): Natural**ELECTRICAL:**Source of Electric Power: Local Electric UtilityVoltage Serving Facility: 120/208 3ph 4wire

Number of Convenience Outlets:

Classrooms

N/A

Library/Media Center

N/A

Business Ed

N/A

Family & Consumer Science

N/A

Camera System:

None

Lighting Intensity (fc.):

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

System

Conduit Only

Conduit & Wiring

Complete w/Equipment

Bell

N/AN/AN/A

Clock

N/AN/AN/A

Fire Alarm

N/AN/AN/A

Intercom

N/AN/AN/A

Telephone

wirelessN/AN/A

Television

wirelessN/AN/A

Computer

wirelessN/AN/A

Wireless Network

wirelessN/AN/A

Interactive White bd

N/AN/AN/A

Voice Amplification

N/AN/AN/A**FIXED EQUIPMENT:**

Teacher Cabinet

N/A

Custodial Room Shelves

N/A

Student Lockers

yes

Science Laboratories

N/A

Folding Bleachers

N/A

Family & Consumer Sci

N/A

Library Furnishings

N/A

Other

N/A

Dry Food Shelves

N/A

Other

N/A

Project: Conner High - Fieldhouse

REH Project #129-523-A

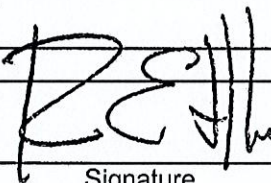
Date: October 12, 2023

INTERIOR FINISH SCHEDULE:

AREA	FLOOR	WAINSCOT	WALLS	CEILING
General Office	concrete		CMU	acoustical
Corridors	concrete		CMU	acoustical
Custodial				
Kitchen				
Cafeteria				
Gym				
Showers/Locker	concrete		CMU	acoustical
Toilets				
Library/Media Cntr				
Classrooms				
Music				
Art				
Science				
FMD				
OTHER AREAS				

Miscellaneous Project Specific Features:

Kentucky Registered Architect:

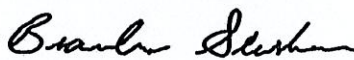


Signature

Robert Ehmet Hayes & Associates, PLLC

Date: 9/21/2023

Kentucky Registered Engineer:



Signature

Shrout Tate Wilson

Date: 9/21/2023

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: Conner High School School Code: 043

Project Name: Conner High School REH Project #129-523-A Date: 10/12/23

Project Phase:	Design Development:	<input checked="" type="checkbox"/>	Construction Documents:	<input type="checkbox"/>
1. Site Development	\$		780,000	
2. General Construction	\$		2,600,000	
3. Heating, Ventilation & Air Conditioning	\$		1,040,000	
4. Plumbing (Include Sprinkler System)	\$		260,000	
5. Electrical Work	\$		520,000	
6. Sewage Disposal System	\$			
7. Total Construction Cost (1-6)				5,200,000
8. Site Acquisition Cost (Purchase Price)	\$			
9. Legal Services	\$			
10. Fiscal Agent Fee	\$			
11. Bond Discount	\$			
12. Architect/Engineer Fee	\$		293,800	
13. Construction/Manager Fee (if Applicable)	\$			
14. Equipment/Furnishings (Not Fixed)/Computers	\$		520,000	
15. Property & Topographic Survey	\$		10,000	
16. Geotechnical Survey & Report	\$		10,000	
17. Special Inspections	\$		20,000	
18. Asbestos Abatement	\$			
19. Commissioning Fee	\$		15,000	
20. Plan Review Fee	\$		10,000	
21. Printing & Distribution of Bid Docs	\$		1,500	
22. Contingencies - Minimum 5% of Line 7	\$		260,000	
23. Testing and Balancing	\$		5,000	
24. Total Other Cost (8-23)				1,145,300
25. TOTAL PROJECT COST (line 7 + line 24)				\$6,345,300

- 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: 9/21/23
Board of Education Designee: _____ Date: _____