

District Name: Elizabethtown Ind. District Code: 152 Facility Name: Elizabethtown High School School Code: 10

Project Name: Elizabethtown High School Restroom Renovation

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

New Building ☒ ☒ _____

Addition ☐ ☒ _____

Renovation ☒ ☐ 6,220 sf

Provisions for Future Expansion: N/A

Proposed Alternates: (1) Summer construction schedule in lieu of construction during the school year.
(2) _____
(3) _____

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

Construction will occur during the school year and contractor activities must leave some portion of Restrooms available at all times.

BUILDING CONSTRUCTION CHARACTERISTICS:

Description of Building Structure:

Foundation: Existing concrete slab on grade and stem wall on concrete footers.

Exterior Walls: Existing CMU Cavity wall with masonry veneer.

Roof Structure: Existing steel beams and bar-joists system.

ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455):

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

N/A 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. Restroom Renovation only - no HVAC Scope

☐ ☒ 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): N/A Existing to remain Avg. Exterior Wall R-Value: N/A Existing to remain

Gross Window / Door Area (sf): N/A Existing to remain Avg. Window/Door R-Value: N/A Existing to remain

Gross Roof Area (sf): N/A Existing to remain Avg. Roof R-Value: N/A Existing to remain

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

Roofing Type: B - EPDM over rigid insulation Other: And Type D

HVAC System Type: L - other Other: _____

Classroom Lighting: E - other Other: _____

Active Daylighting: F - none Other: _____

Passive Daylighting: G - none Other: _____

On Site Energy Generation: G - none Other: _____

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): Gas

ELECTRICAL:

Source of Electric Power:	<u>Kentucky Utilities</u>	Lighting Intensity (fc.):	
Voltage Serving Facility:	<u>208</u>	Std. Classrooms	<u>N/A</u>
Number of Convenience Outlets:		Library/Media Ctr	<u>N/A</u>
Classrooms	<u>N/A</u>	Science Lab	<u>N/A</u>
Library/Media Center	<u>N/A</u>	Science Clrm	<u>N/A</u>
Business Ed	<u>N/A</u>	Band/Music	<u>N/A</u>
Family & Consumer Science	<u>N/A</u>	Business Ed	<u>N/A</u>
Camera System:	<u>N/A</u>	Shops	<u>N/A</u>
		Corridors	<u>N/A</u>
		Stairways	<u>N/A</u>
		Cafeteria	<u>N/A</u>
		Pre-School Clrm	<u>N/A</u>
		Art Classroom	<u>N/A</u>
		Gymnasium	<u>N/A</u>

SPECIAL EQUIPMENT:

System			
Bell	<u>N/A</u>		
Clock	<u>N/A</u>		
Fire Alarm	<u>N/A</u>		
Intercom	<u>N/A</u>		
Telephone	<u>N/A</u>		
Television	<u>N/A</u>		
Computer	<u>N/A</u>		
Wireless Network	<u>N/A</u>		
Interactive White bd	<u>N/A</u>		
Voice Amplification	<u>N/A</u>		


FIXED EQUIPMENT:

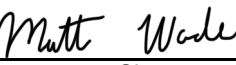
Teacher Cabinet	<u>N/A</u>	Custodial Room Shelves	<u>N/A</u>
Student Lockers	<u>N/A</u>	Science Laboratories	<u>N/A</u>
Folding Bleachers	<u>N/A</u>	Family & Consumer Sci	<u>N/A</u>
Library Furnishings	<u>N/A</u>	Other	
Dry Food Shelves	<u>N/A</u>	Other	

INTERIOR FINISH SCHEDULE:

AREA	FLOOR	WAINSCOT	WALLS	CEILING
General Office	N/A		N/A	N/A
Corridors	N/A		N/A	N/A
Custodial	Tile		Paint/Tile	ACT
Kitchen	Tile		N/A	N/A
Cafeteria	N/A		N/A	N/A
Gym	N/A		N/A	N/A
Showers/Locker	N/A		N/A	N/A
Toilets	Tile		Paint/Tile	ACT
Library/Media Cntr	N/A		N/A	N/A
Classrooms	N/A		N/A	N/A
Music	N/A		N/A	N/A
Art	N/A		N/A	N/A
Science	N/A		N/A	N/A
FMD	N/A		N/A	N/A
OTHER AREAS				
Storage	N/A		N/A	none
Mechanical	Sealed Concrete		Paint	none

Miscellaneous Project Specific Features: _____

Kentucky Registered Architect:  Date: 09/14/2021
Signature

Kentucky Registered Engineer:  Date: 9-7-21
Signature

Board Designee or Superintendent: _____ Date: _____
Signature

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 place
- 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
- G - none

For Reference