

District Name: Spencer District Code: 541 Facility Name: Bus Garage School Code: N/A

Project Name: Spencer County Bus Garage

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

New Building ☒ ☐ 7,528

Addition ☐ ☒ _____

Renovation ☐ ☒ _____

Provisions for Future Expansion: N/A

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 Footings and Slab-on Grade

Exterior Walls: Pre-Engineered Metal Building Structure (Steel)

Roof Structure: Pre-Engineered Metal Building Structure (Steel)

ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455):

Unknown Energy Consumption "Existing" (kBtu/sf/yr)

43 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): 5,660 Avg. Exterior Wall R-Value: 20

Gross Window / Door Area (sf): 465 Avg. Window/Door R-Value: 2.5

Gross Roof Area (sf): 6,905 Avg. Roof R-Value: 20

Exterior Wall Type: E - other Other: Metal Panels / Batt Insul.

Roofing Type: E - other Other: Metal Panels / Batt Insul.

HVAC System Type: L - other Other: Split System

Classroom Lighting: E - other Other: LED LIGHTING

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

Passive Daylighting: G - none Other: _____

On Site Energy Generation: G - none Other: _____

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

Fuel Source/Backup (if applicable): _____

ELECTRICAL:Source of Electric Power: LOCAL UTILITYVoltage Serving Facility: 208V/3-PHASE

Number of Convenience Outlets:

Classrooms N/ALibrary/Media Center N/ABusiness Ed N/AFamily & Consumer Science N/ACamera System: NO

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 50Stairways 30Cafeteria 30Pre-School Clrm N/AArt Classroom N/AGymnasium N/A**SPECIAL EQUIPMENT:**

System	Conduit Only	Conduit & Wiring	Complete with Equipment
Bell	<u>N/A</u>		
Clock	<u>N/A</u>		
Fire Alarm			<u>YES</u>
Intercom	<u>N/A</u>		
Telephone		<u>YES</u>	
Television		<u>YES</u>	
Computer		<u>YES</u>	
Wireless Network		<u>YES</u>	
Interactive White bd	<u>N/A</u>	<u>YES</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	<u>Bus Lifts</u>
Dry Food Shelves	<u>N/A</u>	Other	<u>Casework</u>

INTERIOR FINISH SCHEDULE:

AREA	FLOOR	WAINSCOT	WALLS	CEILING
General Office	Sealed Concrete	None	Gyp. Bd. / CMU	Acoustical Clg. Tile
Corridors	Sealed Concrete	None	Gyp. Bd. / CMU	Acoustical Clg. Tile
Custodial	Sealed Concrete	None	Gyp. Bd. / CMU	Acoustical Clg. Tile
Kitchen	N/A	None	N/A	N/A
Cafeteria	N/A	None	N/A	N/A
Gym	N/A	None	N/A	N/A
Showers/Locker	N/A	None	N/A	N/A
Toilets	Sealed Concrete	None	Gyp. Bd. / CMU	Acoustical Clg. Tile
Library/Media Cntr	N/A	None	N/A	Acoustical Clg. Tile
Classrooms	N/A	None	N/A	Acoustical Clg. Tile
Music	N/A	None	N/A	Acoustical Clg. Tile
Art	N/A	None	N/A	Acoustical Clg. Tile
Science	N/A	None	N/A	Acoustical Clg. Tile
FMD	N/A	None	N/A	Acoustical Clg. Tile
OTHER AREAS				
Garage	Sealed Concrete	None	Mt. Linear Panels	Steel Struct./Vinyl Faced Batt

Miscellaneous Project Specific Features: _____

Kentucky Registered Architect:

Allison Comyns
Signature

Date: 10/25/19

Kentucky Registered Engineer:

[Signature]
Signature

Date: 10.25.19

Board Designee or Superintendent:

Signature

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
- G - none

For Reference