

District Name: Spencer District Code: 541 Facility Name: Spencer County Early Learning Center School Code: TBD

Project Name: Spencer County Early Learning Center Phase 1 Renovation and Addition

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

New Building ☐ ☒ \_\_\_\_\_

Addition ☒ ☐ 12,845 s.f.

Renovation ☒ ☐ 20,800 s.f.

Provisions for Future Expansion: Phase 2- Renovate second floor for district-wide kindergarten

Proposed Alternates: (1) Early Head Start and Head Start Classroom Renovation

(2) Pre-engineered walkway covers at the bus loop.

(3) Site work beyond the property line.

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

Demolition of existing 1920s gymnasium wing; renovate first floor for district wide preschool; new addition consists of multi-purpose room and kitchen.

**BUILDING CONSTRUCTION CHARACTERISTICS:**

Description of Building Structure:

Foundation: Concrete footings and slab on grade

Exterior Walls: Load-bearing CMU

Roof Structure: Steel joist, trusses and deck

**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): 4,870 Avg. Exterior Wall R-Value: 22

Gross Window / Door Area (sf): 950 Avg. Window/Door R-Value: 3.5

Gross Roof Area (sf): 8,290 Avg. Roof R-Value: 30

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

Roofing Type: F - other, describe Other: Mod.Bit/Rigid Insul.

HVAC System Type: C - ground source heat pump system with air make up Other: \_\_\_\_\_

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: \_\_\_\_\_

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 6Library/Media Center N/ABusiness Ed N/AFamily & Consumer Science N/ACamera System: YES, INTERIOR AND EXTERIOR

Lighting Intensity (fc.):

Std. Classrooms 50Library/Media Ctr 75Science Lab N/AScience Clrm N/ABand/Music N/ABusiness Ed N/AShops N/ACorridors 30Stairways 30Cafeteria 50Pre-School Clrm 75Art Classroom 100Gymnasium 50**SPECIAL EQUIPMENT:**

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

**FIXED EQUIPMENT:**

	Yes		By Owner
Teacher Cabinet		Custodial Room Shelves	N/A
Student Lockers	N/A	Science Laboratories	N/A
Folding Bleachers	N/A	Family & Consumer Sci	N/A
Library Furnishings	N/A	Other	Student Cubbies
Dry Food Shelves	Yes	Other	Casework

**INTERIOR FINISH SCHEDULE:**

AREA	FLOOR	WAINSCOT	WALLS	CEILING
General Office	Existing VCT	N/A	Existing Gyp./CMU	Acoustical Ceiling Tile
Corridors	New VCT	N/A	Existing CMU	Acoustical Ceiling Tile
Custodial	Sealed Concrete	N/A	New CMU	Exposed Structure
Kitchen	Epoxy Resin	N/A	New CMU	Vinyl Clad Gyp. Clg. Tiles
Cafeteria	New VCT	N/A	New CMU	Acoust. Clg. Tile / Gyp Soffits
Gym	N/A	N/A	N/A	N/A
Showers/Locker	N/A	N/A	N/A	N/A
Toilets	Epoxy Resin	N/A	New CMU	Acoustical Ceiling Tile
Library/Media Cntr	N/A	N/A	N/A	N/A
Classrooms	New VCT	N/A	Existing New CMU	Acoustical Ceiling Tile
Music	N/A	N/A	N/A	N/A
Art	N/A	N/A	N/A	N/A
Science	N/A	N/A	N/A	N/A
FMD	N/A	N/A	N/A	N/A

**OTHER AREAS**

_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

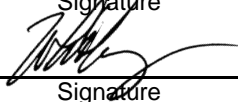
Miscellaneous Project Specific Features: \_\_\_\_\_

Kentucky Registered Architect:

  
Signature

Date: 10/25/19

Kentucky Registered Engineer:

  
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

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For Reference