District Name: Breathitt County | District Code: 61 | Facility Name: Sebastian Elementary School | School Code: 390

Project Name: PARTIAL RENOVATION

PROJECT TYPE:	Yes	No	Gross Building Area (sf.)
New Building	☐	☑	
Addition	☐	☑	
Renovation	☑	☐	4,477 sf

Provisions for Future Expansion: NA

Proposed Alternates: (1) (2) (3)

Describe special conditions, phasing of project and alternates, attach a supplemental sheet, if needed.
Project consists of interior renovation only, including a new security vestibule, new SRO offices, two new Classrooms & new restrooms.

BUILDING CONSTRUCTION CHARACTERISTICS:

Description of Building Structure:

Foundation: Existing: Concrete spread footings.

Exterior Walls: Existing: Type A - CMU loading bearing with Brick veneer.

Roof Structure: Existing: Steel bar joists and deck.

ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455):

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

65 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. **This is a minor renovation to repurpose rooms utilizing existing rooftop equipment. No life cycle cost necessary.**

☐	☑	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): NA - Existing | Avg. Exterior Wall R-Value: NA - Existing

Gross Window / Door Area (sf): Existing + 100 sf New | Avg. Window/Door R-Value: NA - Existing

Gross Roof Area (sf): NA - Existing NA - Existing | Avg. Roof R-Value: NA - Existing

Exterior Wall Type:	A - face brick, captured air space, board insulation and waterproof CMU	Other:	Existing
Roofing Type:	B - EPDM over rigid insulation	Other:	Existing
HVAC System Type:	L - other	Other:	Rooftop VAV
Classroom Lighting:	E - other	Other:	LED
Active Daylighting:	B - occupancy light control sensors	Other:	
Passive Daylighting:		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): **NONE**

ELECTRICAL:

Source of Electric Power: Utility

Voltage Serving Facility: 120/208 3 Phase

Number of Convenience Outlets:

Classrooms	7
Library/Media Center	N/A
Business Ed	N/A
Family & Consumer Science	N/A

Camera System: By Owner

Lighting Intensity (fc.):

Std. Classrooms	50
Library/Media Ctr	N/A
Science Lab	N/A
Science Clrm	N/A
Band/Music	N/A
Business Ed	N/A
Shops	N/A
Corridors	30
Stairways	20
Cafeteria	N/A
Pre-School Clrm	50
Art Classroom	N/A
Gymnasium	N/A

SPECIAL EQUIPMENT:

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

FIXED EQUIPMENT:

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

INTERIOR FINISH SCHEDULE:

AREA	FLOOR	WAINSCOT	WALLS	CEILING
General Office				
Corridors				
Custodial	VCT	NA	CMU, paint.	ACT
Kitchen				
Cafeteria				
Gym				
Showers/Locker				
Toilets	Porcelain Tile	NA	CMU, epoxy paint.	ACT
Library/Media Cntr				
Classrooms	VCT	NA	CMU, paint.	ACT
Music				
Art				
Science				
FMD				
OTHER AREAS				
Vestibule	VCT	NA	CMU, painted	ACT
SRO	VCT	NA	CMU & Gyp. Bd.,painted	ACT

Miscellaneous Project Specific Features: _____

Kentucky Registered Architect: Sabrina Oaks Date: 7/18/19
Signature

Kentucky Registered Engineer: Robert D. Bottoms, P.E. Date: 7/17/19
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