

District Name: Powell County District Code: 495 Facility Name: Stanton Elementary School Code: 60

Project Name: Stanton Elementary School

**PROJECT TYPE:** Yes No Gross Building Area (sf.)  
New Building ☒ ☐ 60,000  
Addition ☐ ☐ \_\_\_\_\_  
Renovation ☐ ☐ \_\_\_\_\_

Provisions for Future Expansion: \_\_\_\_\_

Proposed Alternates: (1) Refer to attached list of Alternates.

(2) \_\_\_\_\_

(3) \_\_\_\_\_

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

**BUILDING CONSTRUCTION CHARACTERISTICS:**

Description of Building Structure:

Foundation: Spread Footings

Exterior Walls: ICF Exterior Walls with Brick Veneer

Roof Structure: Sloping steel joists and metal deck with 6" rigid insulation and a TPO roof system.

**ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455):**

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

25 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. The building will utilize materials that have a high life cycle and are low maintenance including highly insulated walls and roof.

☐ ☒ 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): 23,959 sf Avg. Exterior Wall R-Value: 30

Gross Window / Door Area (sf): 3,595 sf Avg. Window/Door R-Value: U Value .28

Gross Roof Area (sf): 54,703 sf Avg. Roof R-Value: 38

Exterior Wall Type: D - face brick, ICF poured concrete, interior finish system Other: \_\_\_\_\_

Roofing Type: C - plastic single ply over rigid insulation Other: \_\_\_\_\_

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

Classroom Lighting: D - low voltage systems Other: \_\_\_\_\_

Active Daylighting: B - occupancy light control sensors Other: \_\_\_\_\_

Passive Daylighting: F - other Other: Clerestory Windows

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: Kentucky UtilitiesVoltage Serving Facility: 120/208

Number of Convenience Outlets:

Classrooms 6 outletsLibrary/Media Center 16 outletsBusiness Ed N/AFamily & Consumer Science N/ACamera System: Yes

Lighting Intensity (fc.):

Std. Classrooms 50 fcLibrary/Media Ctr 75 fcScience Lab N/AScience Clrm N/ABand/Music 50 fcBusiness Ed N/AShops N/ACorridors 25 fcStairways 25 fcCafeteria 50 fcPre-School Clrm N/AArt Classroom 100 fcGymnasium 50 fc**SPECIAL EQUIPMENT:**

System	Conduit Only	Conduit & Wiring	Complete with Equipment
Bell			<u>x</u>
Clock			<u>x</u>
Fire Alarm			<u>x</u>
Intercom			<u>x</u>
Telephone		<u>x</u>	
Television		<u>x</u>	
Computer		<u>x</u>	
Wireless Network		<u>x</u>	
Interactive White bd		<u>x</u>	
Voice Amplification	<u>x</u>		

**FIXED EQUIPMENT:**

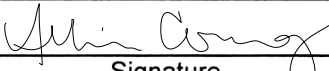
Teacher Cabinet	<u>Classrooms</u>	Custodial Room Shelves	<u>Custodial Receiving</u>
Student Lockers	<u>Classroom Cubbies</u>	Science Laboratories	<u>N/A</u>
Folding Bleachers	<u>Gymnasium</u>	Family & Consumer Sci	<u>N/A</u>
Library Furnishings	<u>Separate Package</u>	Other	
Dry Food Shelves	<u>Kitchen Shelving</u>	Other	

INTERIOR FINISH SCHEDULE:

AREA	FLOOR	WAINSCOT	WALLS	CEILING
General Office	Vinyl Comp. Tile	N/A	Gyp. Paint	Suspended Clg/ Gyp Soffits
Corridors	Vinyl Comp. Tile	N/A	Gyp./ CMU Paint	Suspended Clg/ Gyp Soffits
Custodial	Sealed Concrete	N/A	Gyp./ CMU Paint	Suspended Clg/ Gyp Soffits
Kitchen	Resin Flooring	N/A	Gyp./ CMU Paint	Suspended Clg/ Gyp Soffits
Cafeteria	Vinyl Comp. Tile	N/A	Gyp. Paint	Suspended Clg/ Gyp Soffits
Gym	Wood Gym Floor	N/A	Gyp./ CMU Paint	Suspended Clg/ Gyp Soffits
Showers/Locker	Resin Flooring	N/A	Tile @ Wet Walls	Suspended Clg/ Gyp Soffits
Toilets	Resin Flooring	N/A	Tile/ Paint	Suspended Clg/ Gyp Soffits
Library/Media Cntr	Vinyl Comp. Tile	N/A	Gyp./ CMU Paint	Suspended Clg/ Gyp Soffits
Classrooms	Vinyl Comp. Tile	N/A	Gyp./ CMU Paint	Suspended Ceiling
Music	Vinyl Comp. Tile	N/A	Gyp./ CMU Paint	Suspended Ceiling
Art	Vinyl Comp. Tile	N/A	Gyp./ CMU Paint	Suspended Ceiling
Science	N/A			
FMD	Vinyl Comp. Tile	N/A	Gyp./ CMU Paint	Suspended Ceiling
OTHER AREAS				

Miscellaneous Project Specific Features Alternate to add epoxy terrazzo flooring in corridors.

Kentucky Registered Architect:

  
Signature

Date: 9/12/23

Kentucky Registered Engineer:

  
Signature

Date: 9/12/23

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 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

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For Reference



September 12, 2023

RE: Stanton Elementary School - BG 21-072  
SCB P.N. 2060

#### LIST OF ALTERNATES

1. RIGHT OF WAY SITEWORK FOR ENTRY DRIVES TO THE PROPERTY. REFER TO SD1.1 SITE DEVELOPMENT PLAN.
2. CONNECTING ROAD TO THE MIDDLE SCHOOL. REFER TO SITE PLANS.
3. ALTERNATE EXIT ROUTE OFF THE PROPERTY. REFER TO SITE PLANS.
4. ADD PRE-ENGINEERED WALKWAY COVERS TO THE FRONT AND BACK ENTRIES.
5. TERRAZZO FLOORING IN LIEU OF RESILIENT TILE AT CORRIDORS, VESTIBULES, AND DISCOVERY ZONES.
6. OWNER PREFERRED DOOR HARDWARE MANUFACTURER.
7. RIGHT OF WAY SITEWORK FOR ALTERNATE NO. 3 BUS ROUTE OFF THE PROPERTY. 8. PRE-ENGINEERED WOOD BUCKS IN LIEU OF P.T. NOM. LUMBER.
9. ADD CARD READERS PER DOOR SCHEDULE ON A8.1.