

District Name: Henderson County District Code: 251 Facility Name: South Middle School School Code: 150

Project Name: South Middle School Fire Alarm Replacement

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

New Building ☐ ☒ _____

Addition ☐ ☒ _____

Renovation ☒ ☐ 122,699

Provisions for Future Expansion: _____

Proposed Alternates: (1) None
(2) _____
(3) _____

Describe special conditions, phasing of project and alternates, attach a supplemental sheet, if needed.
Replace existing fire alarm system with new fire alarm system.

BUILDING CONSTRUCTION CHARACTERISTICS:

Description of Building Structure:

Foundation: Existing to remain

Exterior Walls: Existing to remain

Roof Structure: Existing to remain

ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455):

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

_____ 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): Existing to remain Avg. Exterior Wall R-Value: Existing to remain

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

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

Exterior Wall Type: _____ Other: Existing to remain

Roofing Type: _____ Other: Existing to remain

HVAC System Type: _____ Other: Existing to remain

Classroom Lighting: _____ Other: Existing to remain

OUTLINE SPECIFICATIONS ENERGY-DESIGN CRITERIA

Active Daylighting: _____ Other: Existing to remain
Passive Daylighting _____ Other: Existing to remain
On Site Energy Generation: _____ Other: Existing to remain

Air Purification Systems YES ☐ NO ☒
Gray Water System : YES ☐ NO ☒
Low Water Use Fixtures : YES ☐ NO ☒
Other: _____

PLUMBING:

Type of Sewage Disposal: N/A

HEATING, VENTILATION AND AIR CONDITIONING:

Heating Oil: N/A Heating & Mechanical: N/A HVAC: N/A VC Only: N/A
Ventilation Only

Fuel Source/Backup (if applicable): N/A

ELECTRICAL:

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

SPECIAL EQUIPMENT:

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

FIXED EQUIPMENT:

Teacher Cabinet	N/A	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
Dry Food Shelves N/A

Other
Other

INTERIOR FINISH SCHEDULE:

AREA	FLOOR	WAINSCOT	WALLS	CEILING
General Office	N/A	N/A	N/A	N/A
Corridors	N/A	N/A	N/A	N/A
Custodial	N/A	N/A	N/A	N/A
Kitchen	N/A	N/A	N/A	N/A
Cafeteria	N/A	N/A	N/A	N/A
Gym	N/A	N/A	N/A	N/A
Showers/Locker	N/A	N/A	N/A	N/A
Toilets	N/A	N/A	N/A	N/A
Library/Media Cntr	N/A	N/A	N/A	N/A
Classrooms	N/A	N/A	N/A	N/A
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:

Date: 6-15-2021

Kentucky Registered Engineer:

Thomas Waldron III
Signature

Date: 6-15-2021

Board Designee or Superintendent:

Signature

Date: _____

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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