

District Name: Dawson Springs Indepen. District Code: 146 Facility Name: Dawson Springs High School School Code: 18

Project Name: Dawson Springs High School HVAC Renovation

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

New Building ☐ ☒ _____

Addition ☐ ☒ _____

Renovation ☒ ☐ 64,400

Provisions for Future Expansion: _____

Proposed Alternates (1) _____
(2) _____
(3) _____

Describe special conditions, phasing of project and alternates, attach a supplemental sheet, if needed.
Renovation of High School HVAC and Fire Alarm systems, along with selective lighting and ceiling work.

BUILDING CONSTRUCTION CHARACTERISTICS:

Description of Building Structure:

Foundation: Continuous Spread Footings

Exterior Walls: Load Bearing Masonry

Roof Structure: Bar Joist w/metric Decking

ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455):

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

40 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 w/ Improvements being made to existing school.

Energy efficient design being implemented, but additional costs not warranted.

☐ ☒ 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): _____ Avg. Exterior Wall R-Value: unknown

Gross Window / Door Area (sf): _____ Avg. Window/Door R-Value: unknown

Gross Roof Area (sf) _____ Avg. Roof R-Value: unknown

Exterior Wall Type: A - face brick, captured air space, board insulation and waterproof CMU Other: _____

Roofing Type: A - modified bitumen over rigid insulation Other: _____

HVAC System Type B - WATER SOURCE HEAT PUMP SYSTEM WITH AIR MAKE UP Other: _____

Classroom Lighting: E - OTHER Other: LED

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 _____ Heating & Mechanical _____ HVAC: X A/C _____
Only: Ventilation Only: Only:

Fuel Source/Backup (if applicable): _____

ELECTRICAL:

Source of Electric Power:	<u>KENTUCKY UTILITIES</u>	Lighting Intensity (fc.):
Voltage Serving Facility:	<u>120/240V / 3-PHASE</u>	Std. Classrooms <u>50</u>
Number of Convenience Outlets:		Library/Media Ctr <u>75</u>
Classrooms <u>N/A</u>		Science Lab <u>75</u>
Library/Media Center <u>N/A</u>		Science Clrm <u>50</u>
Business Ed <u>N/A</u>		Band/Music <u>75</u>
Family & Consumer Science <u>N/A</u>		Business Ed <u>50</u>
Camera System: <u>N/A</u>		Shops <u>N/A</u>
		Corridors <u>30</u>
		Stairways <u>N/A</u>
		Cafeteria <u>N/A</u>
		Pre-School Clrm <u>N/A</u>
		Art Classroom <u>100</u>
		Gymnasium <u>N/A</u>

SPECIAL EQUIPMENT:

System	Conduit Only	Conduit & Wiring	Complete with Equipment
Bell	_____	_____	<u>N/A</u>
Clock	_____	_____	<u>N/A</u>
Fire Alarm	_____	_____	<u>X</u>
Intercom	_____	_____	<u>N/A</u>
Telephone	_____	_____	<u>N/A</u>
Television	_____	_____	<u>N/A</u>
Computer	_____	_____	<u>N/A</u>
Wireless Network	_____	_____	<u>N/A</u>
Interactive White bd	_____	_____	<u>N/A</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>

OUTLINE SPECIFICATIONS ENERGY-DESIGN CRITERIA

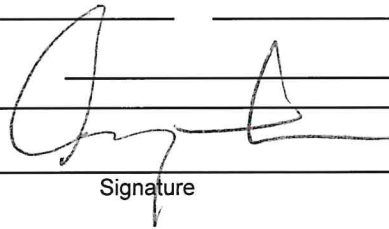
Folding Bleachers	N/A	Family & Consumer Sci	N/A
Library Furnishings	N/A	Other	
Dry Food Shelves	N/A	Other	

INTERIOR FINISH SCHEDULE:

AREA	FLOOR	WAINSCOT	WALLS	CEILING
General Office				existing
Corridors				2x2 SAPC
Custodial				exposed
Kitchen				2x2 SAPC
Cafeteria				exposed
Gym				exposed
Showers/Locker				N-A
Toilets				2x2 SAPC
Library/Media Ctr				2x2 SAPC
Classrooms				2x2 SAPC
Music				exposed
Art				2x2 SAPC
Science				2x2 SAPC
FMD				2x2 SAPC
OTHER AREAS				

Miscellaneous Project Specific Features:

Kentucky Registered Architect:


Signature

7/16/2021

Kentucky Registered Engineer:

Signature

Board Designee or Superintendent:

Signature