

District Name: Pikeville Independent District Code: 492 Facility Name: Pikeville High School Gym School Code: 30

Project Name: Pikeville High School Gymnasium HVAC Renovations

<b>PROJECT TYPE:</b>	Yes	No	Gross Building Area (sf.)
New Building	<input type="checkbox"/>	<input type="checkbox"/>	_____
Addition	<input type="checkbox"/>	<input type="checkbox"/>	_____
Renovation	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<u>16,200</u>

Provisions for Future Expansion: N/A

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

Describe special conditions, phasing of project and alternates, attach a supplemental sheet, if needed.  
 Project is confined to Gymnasium space, including playing court and bleacher seating areas.

**BUILDING CONSTRUCTION CHARACTERISTICS:**

Description of Building Structure:

Foundation: Existing - concrete footings

Exterior Walls: Existing - insulated metal panels

Roof Structure: Existing - steel bar joists, steel roof deck

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

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

27.94 Energy Consumption Target (kBtu/sf/yr)

YES NO

- |                                     |                                     |   |              |
|-------------------------------------|-------------------------------------|---|--------------|
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | LEED Certified  | Other: _____ |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | Designed to meet Energy Star  |              |
| <input checked="" type="checkbox"/> | <input type="checkbox"/>            | Exceeds ASHRAE 90.1(2007) by 10% (Minimum)                                  |              |
| <input type="checkbox"/>            | <input checked="" type="checkbox"/> | 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.** New HVAC system will be energy efficient and would help the entire building achieve Energy Star, but no other portions of the building HVAC systems are included in this project.

- |                          |                                     |                               |
|--------------------------|-------------------------------------|-------------------------------|
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | Designed to be Net-Zero       |
| <input type="checkbox"/> | <input checked="" type="checkbox"/> | 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: 7.5 (est.)

Gross Window / Door Area (sf): \_\_\_\_\_ Avg. Window/Door R-Value: \_\_\_\_\_

Gross Roof Area (sf): 16,200 Avg. Roof R-Value: 18 (est.)

Exterior Wall Type: E - other, describe Other: Existing

Roofing Type: B - EPDM over rigid insulation Other: Existing

HVAC System Type: L - (Gym Only) Roof-top packaged units, DX cooling, gas heating, with energy wheel Other: \_\_\_\_\_

Classroom Lighting: \_\_\_\_\_ Other: N/A

Active Daylighting: \_\_\_\_\_ Other: N/A

Passive Daylighting: \_\_\_\_\_ Other: N/A

On Site Energy Generation: \_\_\_\_\_ Other: N/A

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 Only: \_\_\_\_\_ Heating & Mechanical: \_\_\_\_\_ HVAC: X A/C Only: \_\_\_\_\_  
Ventilation Only

Fuel Source/Backup (if applicable): Natural Gas

**ELECTRICAL:**

Source of Electric Power: _____	Utility	Lighting Intensity (fc.):	
Voltage Serving Facility: <u>480/277V/3-phase/4-wire</u>		Std. Classrooms	<u>N/A</u>
Number of Convenience Outlets:		Library/Media Ctr	<u>N/A</u>
Classrooms	<u>N/A</u>	Science Lab	<u>N/A</u>
Library/Media Center	<u>N/A</u>	Science Clrm	<u>N/A</u>
Business Ed	<u>N/A</u>	Band/Music	<u>N/A</u>
Family & Consumer Science	<u>N/A</u>	Business Ed	<u>N/A</u>
Camera System: _____	<u>N/A</u>	Shops	<u>N/A</u>
		Corridors	<u>N/A</u>
		Stairways	<u>N/A</u>
		Cafeteria	<u>N/A</u>
		Pre-School Clrm	<u>N/A</u>
		Art Classroom	<u>N/A</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>N/A</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>
Folding Bleachers	<u>N/A</u>	Family & Consumer Sci	<u>N/A</u>
Library Furnishings	<u>N/A</u>	Other	_____
Dry Food Shelves	<u>N/A</u>	Other	_____

**INTERIOR FINISH SCHEDULE:**

AREA	FLOOR		WAINSCOT		WALLS		CEILING	
General Office	N/A	N/A	N/A	N/A	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: \_\_\_\_\_  
Signature

Kentucky Registered Engineer: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature

Board Designee or Superintendent: \_\_\_\_\_ Date: \_\_\_\_\_  
Signature