District Name: Hopkins County | District Code: | Facility Name: Hopkins County Auxiliary Gymnasiums | School Code:

Project Name:

PROJECT TYPE:

	Yes	No	Gross Building Area (sf.)
New Building	☐	☑	
Addition	☑	☐	37270
Renovation	☐	☑	

Provisions for Future Expansion: Electrical and sprinkler systems are sized for additional load.

Proposed Alternates:
(1) Delete extended length of Corridor at Madisonville North Hopkins High School.
(2) Owner Preferred Door Controls Manufacturer.
(3) Owner Preferred HVAC Controls
(4) Owner Preferred HVAC Equipment
(5) Owner Preferred GymnasiumEquipment
(6) Upsize generator and re-feed existing life-safety panel at Central.
(7) Owner Preferred Sound System.
(8) Add acoustical roof deck at Central Multipurpose Room

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

BUILDING CONSTRUCTION CHARACTERISTICS:

Description of Building Structure:

Foundation: Reinforced poured concrete stem walls and spread footings.

Exterior Walls: ICF concrete mansonry units with brick veneer and composite metal panels.

Roof Structure: Steel joists with metal deck.

ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455):

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

30 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):	24285	Avg. Exterior Wall R-Value:	19
Gross Window / Door Area (sf):	2074	Avg. Window/Door R-Value:	7
Gross Roof Area (sf):	31192	Avg. Roof R-Value:	39

Exterior Wall Type:	D - face brick, ICF poured concrete, interior finish system	Other:	A
Roofing Type:	C - plastic single ply over rigid insulation	Other:	
HVAC System Type:	L - other	Other:	Gas/DX Splits
Classroom Lighting:	E - other	Other:	All LED Lighting
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: Bipolar Ionization, MERV 13 Filtration in RA Stream.

PLUMBING:

Type of Sewage Disposal: Gravity sewer to municipal system.

HEATING, VENTILATION AND AIR CONDITIONING:

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

Fuel Source/Backup (if applicable): Natural Gas, Electric

ELECTRICAL:

Source of Electric Power: KU

Voltage Serving Facility: 480V/277V/3Phase/4Wire

Number of Convenience Outlets:

Classrooms	4
Library/Media Center	NA
Business Ed	NA
Family & Consumer Science	NA

Camera System: Approx. 35 IP Cameras

Lighting Intensity (fc.):

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

SPECIAL EQUIPMENT:

System	Conduit Only	Conduit & Wiring	Complete with Equipment
Bell	NA		
Clock		X	
Fire Alarm			X
Intercom			X
Telephone		X	
Television		X	
Computer		X	
Wireless Network		X	
Interactive White bd		X	
Voice Amplification			X (GYM/MULTI-PURPOSE)

FIXED EQUIPMENT:

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

INTERIOR FINISH SCHEDULE:

AREA	FLOOR	WAINSCOT	WALLS	CEILING
General Office	-		-	-
Corridors	LVT		Concrete Masonry	Open / Acoustical Tile
Custodial	Concrete		Concrete Masonry	Open
Kitchen	-		-	-
Cafeteria	-		-	-
Gym	Wood		Gypsum Board	Open
Showers/Locker	Ceramic Tile		Concrete Masonry	Acoustical Tile
Toilets	Ceramic Tile		Concrete Masonry	Acoustical Tile
Library/Media Cntr	-		-	-
Classrooms	LVT		Concrete Masonry	Acoustical Tile
Music	-		-	-
Art	-		-	-
Science	-		-	-
FMD	-		-	-
OTHER AREAS				
Multipurpose Rm	LVT / Rubber Floor		Gypsum Board	Open / Acoustical Tile

Miscellaneous Project Specific Features: _____

Kentucky Registered Architect: Andrew H Owens Date: 11/2/2022
Signature

Kentucky Registered Engineer: _____ Date: _____
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