

District Name: HOPKINS District Code: 265 Facility Name: BSMS School Code: 140

Project Name: BUS DRIVER TRAINING CENTER / BSMS FIELDHOUSE

PROJECT TYPE: Yes No Gross Building Area (sf.)
 New Building ☒ ☐ 4,800
 Addition ☐ ☐ _____
 Renovation ☐ ☐ _____

Provisions for Future Expansion: _____

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

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

BUILDING CONSTRUCTION CHARACTERISTICS:

Description of Building Structure:

Foundation: 12"x24" CONC SPREAD FTG W/ 8" CONCRETE STEM WALL

Exterior Walls: 6"x6" TRD WOOD POSTS @ 8'OC WITH 2x6 INFILL WALLS

Roof Structure: WOOD TRUSSES @ 4'OC

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: CCM-CHECK
☒ ☐ 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): 2,520 Avg. Exterior Wall R-Value: 19

Gross Window / Door Area (sf): 231 Avg. Window/Door R-Value: 10

Gross Roof Area (sf): 4,800 Avg. Roof R-Value: 38

Exterior Wall Type: E - RIBBED METAL PANELS Other: _____

Roofing Type: E - RIBBED METAL PANELS Other: _____

HVAC System Type: L - MINI-SPLIT HEAT PUMP Other: _____

Classroom Lighting: E - LED FIXTURES Other: _____

Active Daylighting: F Other: _____

Passive Daylighting: G Other: _____

On Site Energy Generation: G Other: _____

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

Other: _____

PLUMBING:

Type of Sewage Disposal: CITY OF MADISONVILLE SEWER

HEATING, VENTILATION AND AIR CONDITIONING:Heating Only: _____ Heating & Mechanical: _____ HVAC: XX A/C Only: _____
Ventilation Only

Fuel Source/Backup (if applicable): _____

ELECTRICAL:

Source of Electric Power: CITY OF M'VILLE

Voltage Serving Facility: 120/240

Number of Convenience Outlets:

Classrooms 6

Library/Media Center

Business Ed

Family & Consumer Science

Camera System:

NA

Lighting Intensity (fc.):

Std. Classrooms 80

Library/Media Ctr

Science Lab

Science Clrm

Band/Music

Business Ed

Shops

Corridors 50

Stairways

Cafeteria

Pre-School Clrm

Art Classroom

Gymnasium

SPECIAL EQUIPMENT:

System Conduit Only Conduit & Wiring Complete with Equipment

Bell

Clock

Fire Alarm

Intercom

Telephone

Television

Computer

Wireless Network

Interactive White bd

Voice Amplification

FIXED EQUIPMENT:

Teacher Cabinet

Student Lockers

Folding Bleachers

Library Furnishings

Dry Food Shelves

Custodial Room Shelves

Science Laboratories

Family & Consumer Sci

Other

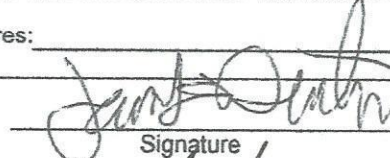
Other

INTERIOR FINISH SCHEDULE:

AREA	FLOOR	WAINSCOT	WALLS	CEILING
General Office	CONC		MTL PNLS	MTL PNLS
Corridors	CONC		MTL PNLS	MTL PNLS
Custodial	CONC		MTL PNLS	MTL PNLS
Kitchen	CONC		GYP BD	MTL PNLS
Cafeteria				
Gym				
Showers/Locker	CONC		MTL PNLS	MTL PNLS
Toilets	CONC		GYP BD	MTL PNLS
Library/Media Cntr				
Classrooms				
Music				
Art				
Science				
FMD				
OTHER AREAS				

Miscellaneous Project Specific Features:

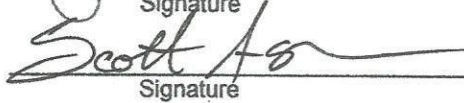
Kentucky Registered Architect:


Signature

Date:

11/26/19

Kentucky Registered Engineer:


Signature

Date:

11/26/19

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 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

For Reference