

District Name: Trigg County District Code: 555 Facility Name: Trigg County Middle School and Trigg County High School School Code: TCMS B10001651
TCHS B10001652

Project Name: Security Vestibules for Trigg County Middle School and Trigg County High School

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

Minor interior renovations to accommodate security entrances.

BUILDING CONSTRUCTION CHARACTERISTICS:

Description of Building Structure: Existing Building

Foundation: _____

Exterior Walls: _____

Roof Structure: _____

ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455): Existing Building

_____ 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. No change in existing building envelope.

☐ ☐ 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: _____

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

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

Exterior Wall Type: _____ Other: _____

Roofing Type: _____ Other: _____

HVAC System Type: _____ Other: _____

Classroom Lighting: _____ Other: _____

Active Daylighting: _____ Other: _____

Passive Daylighting: _____ Other: _____

On Site Energy Generation: _____ Other: _____

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

PLUMBING: Existing

Type of Sewage Disposal: Public Municipal

HEATING, VENTILATION AND AIR CONDITIONING:

All Existing

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

Fuel Source/Backup (if applicable): _____

ELECTRICAL: All Existing

Source of Electric Power: Public Utility

Voltage Serving Facility: Existing Service 120/208

Number of Convenience Outlets:

Classrooms Existing
Library/Media Center Existing
Business Ed Existing
Family & Consumer Science Existing

Camera System: Existing

Lighting Intensity (fc.):

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

SPECIAL EQUIPMENT: All Existing

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

FIXED EQUIPMENT: All Existing

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

INTERIOR FINISH SCHEDULE:

AREA	FLOOR	WAINSCOT	WALLS	CEILING
General Office	VCT	N/A	Paint	LCS
Corridors	VCT	N/A	Paint	LCS
Custodial				
Kitchen				
Cafeteria				
Gym				
Showers/Locker				
Toilets				
Library/Media Cntr				
Classrooms				
Music				
Art				
Science				
FMD				
OTHER AREAS				

Miscellaneous Project Specific Features: _____

Kentucky Registered Architect: _____


Signature

Date: 9/11/18

Kentucky Registered Engineer: _____

Signature

Date: _____

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 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

For Reference