

District Name: Estill County District Code: 161 Facility Name: Estill Co. Middle & South Irvine School Code: 085 & 220

Project Name: Estill Co. Schools Safety and ADA Upgrades

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

New Building ☐ ☒ _____

Addition ☐ ☒ _____

Renovation ☒ ☐ _____

Provisions for Future Expansion: No

Proposed Alternates: (1) Owner Preferred Access Controls

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

N/A _____

BUILDING CONSTRUCTION CHARACTERISTICS:

Description of Building Structure: N/A

Foundation: N/A _____

Exterior Walls: N/A _____

Roof Structure: N/A _____

ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455):

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

NA Energy Consumption Target (kBtu/sf/yr)

YES NO

☐ ☐ LEED Certified Other: N/A _____

☐ ☐ 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. Scope is for door hardware and access controls

☐ ☐ 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): NA Avg. Exterior Wall R-Value: _____

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

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

Exterior Wall Type: N/A Other: _____

Roofing Type: N/A Other: _____

HVAC System Type: N/A Other: _____

Classroom Lighting: N/A Other: _____

Active Daylighting: N/A Other: _____

Passive Daylighting: N/A Other: _____

On Site Energy Generation: N/A Other: _____

Air Purification Systems : YES ☐ NO ☐

Gray Water System : YES ☐ NO ☐

Low Water Use Fixtures : YES ☐ NO ☐

Other: N/A

PLUMBING:

Type of Sewage Disposal: N/A

HEATING, VENTILATION AND AIR CONDITIONING:

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

Fuel Source/Backup (if applicable): N/A

ELECTRICAL:

Source of Electric Power: EXISTING - NO WORK

Voltage Serving Facility: EXISTING - NO WORK

Number of Convenience Outlets:

Classrooms EXISTING - NO WORK

Library/Media Center EXISTING - NO WORK

Business Ed EXISTING - NO WORK

Family & Consumer Science EXISTING - NO WORK

Camera System: EXISTING - NO WORK

Lighting Intensity (fc.):

Std. Classrooms EXISTING - NO WORK

Library/Media Ctr EXISTING - NO WORK

Science Lab EXISTING - NO WORK

Science Clrm EXISTING - NO WORK

Band/Music EXISTING - NO WORK

Business Ed EXISTING - NO WORK

Shops EXISTING - NO WORK

Corridors EXISTING - NO WORK

Stairways EXISTING - NO WORK

Cafeteria EXISTING - NO WORK

Pre-School Clrm EXISTING - NO WORK

Art Classroom EXISTING - NO WORK

Gymnasium EXISTING - NO WORK

SPECIAL EQUIPMENT:

System	Conduit Only	Conduit & Wiring	Complete with Equipment
Bell	<u>EXISTING - NO WORK</u>		
Clock	<u>EXISTING - NO WORK</u>		
Fire Alarm	<u>EXISTING - NO WORK</u>		
Intercom	<u>EXISTING - NO WORK</u>		
Telephone	<u>EXISTING - NO WORK</u>		
Television	<u>EXISTING - NO WORK</u>		
Computer	<u>EXISTING - NO WORK</u>		
Wireless Network	<u>EXISTING - NO WORK</u>		
Interactive White bd	<u>N/A</u>		
Voice Amplification	<u>N/A</u>		

FIXED EQUIPMENT:

Teacher Cabinet	<u>EXISTING - NO WORK</u>	Custodial Room Shelves	<u>EXISTING - NO WORK</u>
Student Lockers	<u>EXISTING - NO WORK</u>	Science Laboratories	<u>EXISTING - NO WORK</u>
Folding Bleachers	<u>EXISTING - NO WORK</u>	Family & Consumer Sci	<u>EXISTING - NO WORK</u>
Library Furnishings	<u>EXISTING - NO WORK</u>	Other	
Dry Food Shelves	<u>EXISTING - NO WORK</u>	Other	

INTERIOR FINISH SCHEDULE:

AREA	FLOOR	WAINSCOT	WALLS	CEILING
General Office	NA	NA	NA	NA
Corridors	NA	NA	NA	NA
Custodial	NA	NA	NA	NA
Kitchen	NA	NA	NA	NA
Cafeteria	NA	NA	NA	NA
Gym	NA	NA	NA	NA
Showers/Locker	NA	NA	NA	NA
Toilets	NA	NA	NA	NA
Library/Media Cntr	NA	NA	NA	NA
Classrooms	NA	NA	NA	NA
Music	NA	NA	NA	NA
Art	NA	NA	NA	NA
Science	NA	NA	NA	NA
FMD	NA	NA	NA	NA

OTHER AREAS

Paint on exposed conduit at electrified doors &

Miscellaneous Project Specific Features:

Kentucky Registered Architect:

Signature

Date: _____

Kentucky Registered Engineer:

Signature

Date: _10/07/2022_

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