

District Name:	Todd County School District	District Code:	551	Facility Name:	North Todd Elementary School	School Code:	
Project Name: North Todd Elementary School Upgrades							
PROJECT TYPE:		Yes	No	Gross Building Area (sf.)			
New Building	☐	☒					
Addition	☐	☒					
Renovation	☒	☐		54,939			
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: Slab on Grade - Concrete							
Exterior Walls: Block / Brick Veneer							
Roof Structure: Steel Structure with Insulated Metal Roof							
ENERGY EFFICIENT DESIGN (KRS 167.450 and KRS 167.455):							
28		Energy Consumption "Existing" (kBtu/sf/yr)					
28		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. The LEED Certification nor the Life Cycle Cost Analysis have been deemed as worthwhile additional expenses for this project, despite the building benefiting from many sustainable and energy efficient design features.							
☐	☒	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):		26,507 SF		Avg. Exterior Wall R-Value:			
Gross Window / Door Area (sf):		1,971 SF		Avg. Window/Door R-Value:			
Gross Roof Area (sf):		70,423 SF		Avg. Roof R-Value:			
Exterior Wall Type:		A - face brick, captured air space, board insulation and waterproof CMU			Other: _____		
Roofing Type:		B - EPDM over rigid insulation			Other: _____		
HVAC System Type:		E - variable refrigerant flow (VRF) with air make up			Other: _____		
Classroom Lighting:		F - other			Other: _____		
Active Daylighting:		F - none			Other: _____		
Passive Daylighting:		G - none			Other: _____		
On Site Energy Generation:					Other: _____		

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

Air Purification Systems : YES ☒ NO ☐

Gray Water System : YES ☐ NO ☒

Low Water Use Fixtures : YES ☒ NO ☐

Other: _____

PLUMBING:

Type of Sewage Disposal: Municipal

HEATING, VENTILATION AND AIR CONDITIONING:

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

Fuel Source/Backup (if applicable): _____

ELECTRICAL:

Source of Electric Power: <u>Pennyrile Rural Electric Co-Op</u>	Lighting Intensity (fc.):
Voltage Serving Facility: _____	Std. Classrooms _____
Number of Convenience Outlets:	Library/Media Ctr _____
Classrooms _____	Science Lab _____
Library/Media Center _____	Science Clrm _____
Business Ed _____	Band/Music _____
Family & Consumer Science _____	Business Ed _____
Camera System: _____	Shops _____
	Corridors _____
	Stairways _____
	Cafeteria _____
	Pre-School Clrm _____
	Art Classroom _____
	Gymnasium _____

SPECIAL EQUIPMENT:

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

FIXED EQUIPMENT:

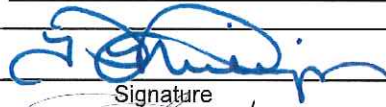
Teacher Cabinet	<u>Existing</u> _____	Custodial Room Shelves	<u>Existing</u> _____
Student Lockers	<u>Existing</u> _____	Science Laboratories	<u>Existing</u> _____
Folding Bleachers	<u>Existing</u> _____	Family & Consumer Sci	<u>Existing</u> _____
Library Furnishings	<u>Existing</u> _____	Other	_____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

INTERIOR FINISH SCHEDULE:

AREA	FLOOR	WAINSCOT	WALLS	CEILING
General Office	VCT		GWB	ACT
Corridors	VCT		CMU	ACT
Custodial	VCT		CMU	ACT
Kitchen	Ceramic		CMU	ACT
Cafeteria	VCT		CMU	ACT
Gym	Hardwood		CMU	ACT
Showers/Locker	Ceramic		CMU	ACT
Toilets	Ceramic		CMU	ACT
Library/Media Cntr	Carpet		CMU	ACT
Classrooms	VCT		CMU	ACT
Music	VCT		CMU	ACT
Art	VCT		CMU	ACT
Science	VCT		CMU	ACT
FMD	VCT		CMU	ACT
OTHER AREAS				

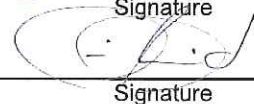
Miscellaneous Project Specific Features:

Kentucky Registered Architect:


Signature

Date: 01/06/2021

Kentucky Registered Engineer:


Signature

Date: 1-6-21

Board Designee or Superintendent:

Signature

Date: