

District Name: Nelson County District Code: 451 Facility Name: Nelson County Early Learning Center School Code: 071

Project Name: Addition and Renovation for Nelson County Early Learning Center

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

New Building ☐ ☒ _____

Addition ☒ ☐ 11,729

Renovation ☒ ☐ 3,866

Provisions for Future Expansion: Due to site constraints, provisions for future expansion are not achievable.

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: Cast concrete foundations with concrete slab on grade.

Exterior Walls: Fiber cement siding over rigid insulation over sheathing over metal stud infill framing w/ cavity insulation.
Roof structure to be supported by conventional steel column & beam structure.

Roof Structure: Single ply roof membrane over rigid insulation over metal roof decking over metal bar joists

ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455):

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

EUI 35 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): 5,479 (addition only) Avg. Exterior Wall R-Value: R-24

Gross Window / Door Area (sf): 647 (addition only) Avg. Window/Door R-Value: R-4

Gross Roof Area (sf): 12,180 (addition only) Avg. Roof R-Value: R-25

Exterior Wall Type: E - other, describe Other: _____

Fiber cement siding, rigid insulation, sheathing, metal stud infill framing w/ cavity insulation.

Roofing Type: C - plastic single ply over rigid insulation Other: _____

HVAC System Type: B - water source heat pump system with air make up Other: _____

Classroom Lighting: A - T8 fluorescent fixtures Other: _____

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: _____

PLUMBING:

Type of Sewage Disposal: Municipal - City of Bardstown

HEATING, VENTILATION AND AIR CONDITIONING:

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

Fuel Source/Backup (if applicable): _____

ELECTRICAL:

Source of Electric Power:	<u>Existing Utility Service</u>	Lighting Intensity (fc.):	
Voltage Serving Facility:	<u>120/208V/3PH/4W</u>	Std. Classrooms	<u>50</u>
Number of Convenience Outlets:		Library/Media Ctr	<u>n/a</u>
Classrooms	<u>7</u>	Science Lab	<u>n/a</u>
Library/Media Center	<u>n/a</u>	Science Clrm	<u>n/a</u>
Business Ed	<u>n/a</u>	Band/Music	<u>n/a</u>
Family & Consumer Science	<u>n/a</u>	Business Ed	<u>n/a</u>
Camera System:	<u>None</u>	Shops	<u>n/a</u>
		Corridors	<u>20</u>
		Stairways	<u>n/a</u>
		Cafeteria	<u>30</u>
		Pre-School Clrm	<u>50</u>
		Art Classroom	<u>n/a</u>
		Gymnasium	<u>n/a</u>

SPECIAL EQUIPMENT:

System	Conduit Only	Conduit & Wiring	Complete with Equipment
Bell	_____	_____	<u>Yes</u>
Clock	_____	_____	<u>Yes</u>
Fire Alarm	_____	_____	<u>Yes</u>
Intercom	_____	_____	<u>Yes</u>
Telephone	_____	<u>Yes</u>	_____
Television	_____	<u>Yes</u>	_____
Computer	_____	<u>Yes</u>	_____
Wireless Network	_____	<u>Yes</u>	_____
Interactive White bd	_____	<u>Yes</u>	_____
Voice Amplification	<u>None</u>	_____	_____

FIXED EQUIPMENT:

Teacher Cabinet	<u>X</u>	Custodial Room Shelves	_____
Student Lockers	<u>X - Cubbies</u>	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	Hi-Impact GWB/ptd	Hi-Impact GWB/ptd	ACT
Corridors	VCT	Hi-Impact GWB/ptd	Hi-Impact GWB/ptd	ACT
Custodial	VCT	Hi-Impact GWB/ptd	Hi-Impact GWB/ptd	ACT
Kitchen	QT	Hi-Impact GWB/ptd	Hi-Impact GWB/ptd	FRP
Cafeteria	VCT	Hi-Impact GWB/ptd	Hi-Impact GWB/ptd	ACT
Gym	x			
Showers/Locker	x			
Toilets	CT	Hi-Impact GWB/ptd	Hi-Impact GWB/ptd	ACT
Library/Media Cntr	x			
Classrooms	VCT	Hi-Impact GWB/ptd	Hi-Impact GWB/ptd	ACT
Music	x			
Art	x			
Science	x			
FMD	x			
OTHER AREAS				
Multi-Purpose	VCT	Hi-Impact GWB/ptd	Hi-Impact GWB/ptd	Open w/Acoustical Treatments
			Acoustical Panels	

Miscellaneous Project Specific Features: _____

Kentucky Registered Architect: _____

Signature

Date: ____26 Aug 2015__

Kentucky Registered Engineer: _____

Signature

Date: _____

Board Designee or Superintendent: _____

Signature

Date: _____