

District Name: Newport Independent District Code: 452 Facility Name: Newport Primary School School Code: 20
 Date: 10/27/21 REH: 149-620

Project Name: Newport Primary School - New Fire Alarm System & Renovations to the Kitchen, Cafeteria & Gymnasium

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

New Building: ☐ ☐ _____

Addition: ☐ ☐ _____

Renovation: ☒ ☐ 10,625 (Including Gym)

Provisions for Future Expansion: _____

Proposed Alternates: (1) None

(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 in place concrete

Exterior Walls: Masonry composite / cavity walls

Roof Structure: Metal and gypsum deck over steel joists

ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455):

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

45 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 LEED Certification being pursued. Energy Star rating is not being pursued. Whole Building LCCA is not required by Owner for this project.

☐ ☒ 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): 12,828 (Reroof Area) Avg. Roof R-Value: 25+

Exterior Wall Type: _____ Other: _____

Roofing Type: B - EPDM over rigid insulation Other: _____

HVAC System Type: _____ Other: Packaged RTUs

Classroom Lighting: E - other Other: NA

Active Daylighting: B - occupancy light control sensors Other: _____

Passive Daylighting: G - none Other: _____

On Site Energy Generation: G - none Other: _____

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OUTLINE SPECIFICATIONS ENERGY DESIGN CRITERIA

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 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: X A/C Only: _____
 Ventilation Only

 Fuel Source/Backup (if applicable): Natural Gas
ELECTRICAL:

 Source of Electric Power: Utility

 Voltage Serving Facility: 120/208V

Number of Convenience Outlets:

Classrooms _____

Library/Media Center _____

Business Ed _____

Family & Consumer Science _____

Camera System: _____

Lighting Intensity (fc.):

Std. Classrooms _____

Library/Media Ctr _____

Science Lab _____

Science Ctrm _____

Band/Music _____

Business Ed _____

Shops _____

 Corridors 30

Stairways _____

 Cafeteria 60

Pre-School Ctrm _____

Art Classroom _____

Gymnasium _____

SPECIAL EQUIPMENT:

System	Conduit Only	Conduit & Wiring	Complete with Equipment
Bell	_____	_____	_____
Clock	_____	_____	_____
Fire Alarm	_____	_____	<u>X</u>
Intercom	_____	_____	_____
Telephone	_____	<u>X</u>	_____
Television	_____	_____	_____
Computer	_____	_____	_____
Wireless Network	_____	<u>X</u>	_____
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 _____

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OUTLINE SPECIFICATIONS ENERGY DESIGN CRITERIA

Project: Newpot Primary School - New Fire Alarm
System & Renovations to the Kitchen, Cafeteria &
Gymnasium

REH Project: 149-520

Date: 10/27/21

INTERIOR FINISH SCHEDULE:

AREA	FLOOR	WAINSCOT	WALLS	CEILING
General Office				
Corridors	Rubber Tile	CMU	CMU	Acoustic Clg.
Custodial				
Kitchen	Porcelain Tile	Tile/CMU	Tile/CMU	Acoustic/Wood Grille
Cafeteria	Rubber Tile	CMU	CMU	Acoustic/clouds
Gym				
Showers/Locker				
Toilets				
Library/Media Cntr				
Classrooms				
Music				
Art				
Science				
FMD				
OTHER AREAS				

Miscellaneous Project Specific Features:

Kentucky Registered Architect:

Signature
Robert Emmet Hayes & Associates, PLLC

Date:

Kentucky Registered Engineer:

Signature
Robert Emmet Hayes, PE

Date: 10/21/2021

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

District Name: Newport Independent District Code: 452 Facility Name: Newport Primary School School Code: 20

Project Name: Newport Primary School - New Fire Alarm System & Renovations to the Kitchen, Cafeteria and Gymnasium REH Project #149-520 Date: 10/27/21

Project Phase:	Design Development:	<input checked="" type="checkbox"/>	Construction Documents:	<input type="checkbox"/>
1. Site Development	\$			
2. General Construction	\$		3,750,000.00	
3. Heating, Ventilation & Air Conditioning	\$			
4. Plumbing (Include Sprinkler System)	\$			
5. Electrical Work	\$			
6. Sewage Disposal System	\$			
7. Total Construction Cost (1-6)			\$	3,750,000.00
8. Site Acquisition Cost (Purchase Price)	\$			
9. Legal Services	\$			
10. Fiscal Agent Fee	\$		31,980.00	
11. Bond Discount	\$		94,900.00	
12. Architect/Engineer Fee	\$		271,875.00	
13. Construction/Manager Fee (If Applicable)	\$			
14. Equipment/Furnishings (Not Fixed)/Computers	\$		300,000.00	
15. Property & Topographic Survey	\$			
16. Geotechnical Survey & Report	\$			
17. Special Inspections	\$		15,000.00	
18. Asbestos Abatement	\$		50,000.00	
19. Commissioning Fee	\$			
20. Plan Review Fee	\$		8,000.00	
21. Printing & Distribution of Bid Docs	\$		5,000.00	
22. Contingencies - Minimum 5% of Line 7	\$		187,500.00	
23. Other Cost (Describe)	\$		30,745.00	
24. Total Other Cost (8-23)			\$	995,000.00
25. TOTAL PROJECT COST (line 7 + line 24)			\$	4,745,000.00

a. Gross Square Foot Area* _____
b. Total Cost Per Square Foot _____ na
c. Total Cost Per Pupil _____ \$
d. Gross Sq. Ft. Area of Alternates _____
* Base Bid Area Only _____

Kentucky Registered Architect/Engineer: Robert Ehmet Hayes & Associates, PLLC Date: 10/27/2021

Construction Manager: _____ Date: _____

Board of Education Designee: _____ Date: _____