

ROBERT EHMET HAYES & ASSOCIATES, PLLC

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August 23, 2023

VIA EMAIL

TO: Ms. Misty Middleton, Superintendent
Bellevue Independent Schools

RE: BEN FLORA GYM- RESTROOM AND LOCKER ROOM RENOVATION
REH #372-522 / BG #24-058

Enclosures:

1. Schematic Design and Design Development Drawings dated August 23, 2023 for referenced project.
2. Two copies of the BG-2, dated August 23, 2023, for completed Schematic Design and Design Development Drawings.
3. Two copies of the BG-3, dated August 23, 2023, for completed Schematic Design and Design Development Drawings.

Action

Required:

1. Obtain Board approval of the Schematic Design and Design Development Documents, BG-2, and BG-3.
2. Execute both the BG-2 and BG-3.
3. Retain one copy of the BG-2 and BG-3 and forward one copy of each to our office for subsequent upload to KDE.

Ehmet Hayes

EH:lnh

District Name: Bellevue Independent District Code: 032 Facility Name: Ben Flora Gymnasium School Code: 010
Date: 8/23/23 REH: 372-522

Project Name: Ben Flora Gym - Restroom and Locker Room Renovation

PROJECT TYPE: Yes No Gross Building Area (sf.)
 New Building _____
 Addition _____
 Renovation 19,000

Provisions for Future Expansion: None

Proposed Alternates: (1) Gym HVAC Replacement
 (2) _____
 (3) _____

Describe special conditions, phasing of project and alternates, attach a supplemental sheet, if needed.
 Construction will be coordinated with school calendar.

BUILDING CONSTRUCTION CHARACTERISTICS:

Description of Building Structure:

Foundation: Concrete

Exterior Walls: Masonry/Metal Panel

Roof Structure: Tectum Deck and Steel Joists

ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455):

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

80 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. Project is a renovation with old systems that will not meet these requirements

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): TBD Avg. Exterior Wall R-Value: Unknown

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

Gross Roof Area (sf): 19,000 Avg. Roof R-Value: _____

Exterior Wall Type: _____ E - other, describe _____ Other: mixture of masonry and metal wall panels

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

HVAC System Type: _____ Other: L

Classroom Lighting: _____ Other: N/A

Active Daylighting: _____ Other: N/A

Passive Daylighting: _____ Other: N/A

On Site Energy Generation: _____ Other: N/A

Project: Ben Flora Gym - Restroom & Locker Room Renovation

REH: 372-522

Date: 8/23/23

Air Purification Systems : YES NO

Gray Water System : YES NO

Low Water Use Fixtures : YES NO

Other: _____

PLUMBING:

Type of Sewage Disposal: Public

HEATING, VENTILATION AND AIR CONDITIONING:

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

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

ELECTRICAL:

Source of Electric Power: <u>Utility</u>	Lighting Intensity (fc.):
Voltage Serving Facility: <u>208V 3 Phase</u>	Std. Classrooms <u>N/A</u>
Number of Convenience Outlets:	Library/Media Ctr <u>N/A</u>
Classrooms <u>N/A</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>N/A</u>	Shops <u>N/A</u>
	Corridors <u>N/A</u>
	Stairways <u>N/A</u>
	Cafeteria <u>N/A</u>
	Pre-School Clrm <u>N/A</u>
	Art Classroom <u>N/A</u>
	Gymnasium <u>N/A</u>

SPECIAL EQUIPMENT:

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

FIXED EQUIPMENT:

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

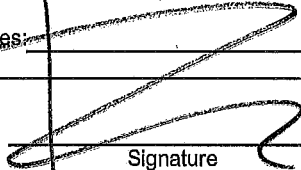
INTERIOR FINISH SCHEDULE:

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

OTHER AREAS

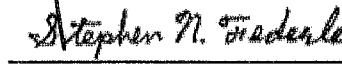
Miscellaneous Project Specific Features:

Kentucky Registered Architect:


 Signature
 Robert Ehmet Hayes & Associates, PLLC

Date: 8/16/23

Kentucky Registered Engineer:


 Signature
 Stephen Federle KLH Engineers

Date: 8/16/23

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: Bellevue Independent District Code: 032 Facility Name: Ben Flora Gymnasium School Code: 010

Project Name: Ben Flora Gym - Restroom and Locker Room Reno. REH Project # 372-522 Date: 8/23/23

Project Phase: Design Development: Construction Documents:

1. Site Development	\$	
2. General Construction	\$	725,938.00
3. Heating, Ventilation & Air Conditioning	\$	175,000.00
4. Plumbing (Include Sprinkler System)	\$	60,000.00
5. Electrical Work / CT	\$	115,000.00
6. Sewage Disposal System	\$	
7. Total Construction Cost (1-6)	\$	1,075,938.00
8. Site Acquisition Cost (Purchase Price)	\$	
9. Legal Services	\$	
10. Fiscal Agent Fee	\$	
11. Bond Discount	\$	
12. Architect/Engineer Fee	\$	92,853.00
13. Construction/Manager Fee (if Applicable)	\$	
14. Equipment/Furnishings (Not Fixed)/Computers	\$	
15. Property & Topographic Survey	\$	
16. Geotechnical Survey & Report	\$	
17. Special Inspections	\$	
18. Asbestos Abatement	\$	30,000.00
19. Commissioning Fee	\$	5,000.00
20. Plan Review Fee	\$	5,000.00
21. Reproduction Bid Docs / Reimbursables	\$	2,000.00
22. Contingencies - Minimum 5% of Line 7	\$	53,797.00
23. Other Cost (Describe) TAB	\$	5,000.00
24. Total Other Cost (8-23)	\$	193,650.00
25. TOTAL PROJECT COST (line 7 + line 24)	\$	1,269,588.00

- 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:  Date: 8/16/23

Board of Education Designee: _____ Date: _____