

District Name: Henderson District Code: 251 Facility Name: North Middle School School Code: \_\_\_\_\_

Project Name: North Middle School Bleacher Replacement

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

New Building ☒ ☐ 96 s.f.

Addition ☐ ☐ \_\_\_\_\_

Renovation ☐ ☐ \_\_\_\_\_

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

Exterior Walls: Wood w/ R-13 batt insulation w/ metal siding

Roof Structure: Wood joist w/R-19 batt insulation, 3/4 " OSB

**ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455):**

\_\_\_\_\_ Energy Consumption "Existing" (kBtu/sf/yr)

N-A 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 w/** \_\_\_\_\_

☐ ☒ 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): 320 Avg. Exterior Wall R-Value: R-13

Gross Window / Door Area (sf): 30 Avg. Window/Door R-Value: R-1.4

Gross Roof Area (sf) \_\_\_\_\_ Avg. Roof R-Value: 12 - 19

Exterior Wall Type: Vinyl Siding Other: E

Roofing Type: EPOM Other: F

HVAC System Type Electric Resistance Other: L

Classroom Lighting: \_\_\_\_\_ Other: \_\_\_\_\_

Active Daylighting: \_\_\_\_\_ Other: \_\_\_\_\_  
Passive Daylighting: \_\_\_\_\_ Other: \_\_\_\_\_  
On Site Energy Generation: \_\_\_\_\_ Other: \_\_\_\_\_

Air Purification Systems : YES ☐ NO ☐  
Gray Water System : YES ☐ NO ☐  
Low Water Use Fixtures : YES ☐ NO ☐  
Other: \_\_\_\_\_

**PLUMBING:**

Type of Sewage Disposal: \_\_\_\_\_

**HEATING, VENTILATION AND AIR CONDITIONING:**

Heating X \_\_\_\_\_ Heating & Mechanical \_\_\_\_\_ HVAC: \_\_\_\_\_ A/C \_\_\_\_\_  
Only: \_\_\_\_\_ Ventilation Only: \_\_\_\_\_ Only: \_\_\_\_\_

Fuel Source/Backup (if applicable): \_\_\_\_\_

**ELECTRICAL:**

|                                |                 |                           |
|--------------------------------|-----------------|---------------------------|
| Source of Electric Power:      | Municipal _____ | Lighting Intensity (fc.): |
| Voltage Serving Facility:      | 208 _____       | 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                 | _____        | _____            | _____                   |
| Clock                | _____        | _____            | _____                   |
| Fire Alarm           | _____        | _____            | _____                   |
| Intercom             | _____        | _____            | _____                   |
| Telephone            | _____        | _____            | _____                   |
| Television           | _____        | _____            | _____                   |
| Computer             | _____        | _____            | _____                   |
| Wireless Network     | _____        | _____            | _____                   |
| Interactive White bd | _____        | _____            | _____                   |
| Voice Amplification  | _____        | _____            | _____                   |

**FIXED EQUIPMENT:**

Teacher Cabinet \_\_\_\_\_ Custodial Room Shelves \_\_\_\_\_

|                     |       |                       |       |
|---------------------|-------|-----------------------|-------|
| Student Lockers     | _____ | 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   | _____    | Gypboard | Gypboard |
| Corridors         | _____ | _____    | _____    | _____    |
| Custodial         | _____ | _____    | _____    | _____    |
| Kitchen           | _____ | _____    | _____    | _____    |
| Cafeteria         | _____ | _____    | _____    | _____    |
| Gym               | _____ | _____    | _____    | _____    |
| Showers/Locker    | _____ | _____    | _____    | _____    |
| Toilets           | _____ | _____    | _____    | _____    |
| Library/Media Ctr | _____ | _____    | _____    | _____    |
| Classrooms        | _____ | _____    | _____    | _____    |
| Music             | _____ | _____    | _____    | _____    |
| Art               | _____ | _____    | _____    | _____    |
| Science           | _____ | _____    | _____    | _____    |
| FMD               | _____ | _____    | _____    | _____    |
| OTHER AREAS       | _____ | _____    | _____    | _____    |
|                   | _____ | _____    | _____    | _____    |
|                   | _____ | _____    | _____    | _____    |

Miscellaneous Project Specific Features: \_\_\_\_\_

Kentucky Registered Architect: \_\_\_\_\_  
Signature

Kentucky Registered Engineer: \_\_\_\_\_  
Signature

Board Designee or Superintendent: \_\_\_\_\_  
Signature

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**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
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