

| PROJECT TYPE: Yes No Gross Building Area (sf.) New Building | District Name: | Hardin Co | unty | District Code: | 231 | Facility Name: | Norti | n Hardin High School | School _Code: | 075_ |
|---|-------------------|------------------|--------------------------|-------------------|-----------------|-------------------|------------|------------------------------|------------------|-----------------------------|
| New Bullding | Pro | ject Name: | North Hardi | in High School | Athletic C | omplex | | | | |
| New Bullding | PROJE | CT TYPE: | Yes | No | | Gross B | Building / | Area (sf.) | | |
| Renovation | | | $\overline{\mathcal{Q}}$ | | | | 3310 | | | |
| Provisions for Future Expansion: Proposed Alternates: (1) (2) (3) (3) Describe special conditions, phasing of project and alternates, attach a supplemental sheet, if needed. BUILDING CONSTRUCTION CHARACTERISTICS: Description of Building Structure: Foundation: Shallow spread footings, reinforced slab on grade (at grandstands/pressbox) Exterior Walls: Load-bearing CMU w/ Brick Veneer Roof Structure: Wood Trusses | Additio | n | | | | | | | | |
| 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: Shallow spread footings, reinforced slab on grade (at grandstands/pressbox) Exterior Walls: Load-bearing CMU w/ Brick Veneer Roof Structure: Wood Trusses ENERGY EFFICIENT DESIGN (KRS 157.459 and KRS 157.455): N/A Energy Consumption "Existing" (kBtlw/sflyr) Energy Consumption Target (kBtlw/sflyr) YES NO 2 | Renova | ation | | | | | | | | |
| Describe special conditions, phasing of project and alternates, attach a supplemental sheet, if needed. Bull.DING CONSTRUCTION CHARACTERISTICS: | Provisi | ons for Future | Expansion: | | | | | | | |
| Describe special conditions, phasing of project and alternates, attach a supplemental sheet, if needed. Bull.DING CONSTRUCTION CHARACTERISTICS: | Propos | ed Alternates: | (1) |) | | | | | | |
| Describe special conditions, phasing of project and alternates, attach a supplemental sheet, if needed. BUILDING CONSTRUCTION CHARACTERISTICS: | | | (2) | | | | | | | |
| Description of Building Structure: Foundation: Shallow spread footings, reinforced slab on grade (at grandstands/pressbox) Exterior Walls: Load-bearing CMU w/ Brick Veneer Roof Structure: Wood Trusses ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455): N/A | Describ | oe special con | ` ' | | | | | | | |
| Foundation: Shallow spread footings, reinforced slab on grade (at grandstands/pressbox) Exterior Walls: Load-bearing CMU w/ Brick Veneer Roof Structure: Wood Trusses ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455): N/A Energy Consumption Target (kBtu/sf/yr) Energy Consumption Target (kBtu/sf/yr) YES NO Designed to meet Energy Star Designed to meet Energy Star Designed to meet Energy Star Energy Cost Analysis Demonstrating Cost Effective Design Life Cycle Cost Analysis Software Used: Heating and ventilation only as the proposed buildings are used seasonally 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 (si): 2006 - Conc/RR Bldg; 372 Tkt Bth Avg. Exterior Wall R-Value: 3.8 Exterior Wall Type: A-face brick, captured air space, board insulation and waterproof CMU Roofing Type: F-other, describe Other: Asphalt Shingles over roofing HVAC System Type: Other: Asphalt Shingles over roofing HVAC System Type: Other: Classroom Lighting: F-none Other: Other: Classroom Lighting: G-none Passive Daylighting: G-none | BUILD | ING CONSTR | UCTION CHA | ARACTERISTIC | <u>CS</u> : | | | | | |
| Foundation: Shallow spread footings, reinforced slab on grade (at grandstands/pressbox) Exterior Walls: Load-bearing CMU w/ Brick Veneer Roof Structure: Wood Trusses ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455): N/A Energy Consumption Target (kBtu/sf/yr) Energy Consumption Target (kBtu/sf/yr) YES NO Designed to meet Energy Star Designed to meet Energy Star Designed to meet Energy Star Energy Cost Analysis Demonstrating Cost Effective Design Life Cycle Cost Analysis Software Used: Heating and ventilation only as the proposed buildings are used seasonally 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 (si): 2006 - Conc/RR Bldg; 372 Tkt Bth Avg. Exterior Wall R-Value: 3.8 Exterior Wall Type: A-face brick, captured air space, board insulation and waterproof CMU Roofing Type: F-other, describe Other: Asphalt Shingles over roofing HVAC System Type: Other: Asphalt Shingles over roofing HVAC System Type: Other: Classroom Lighting: F-none Other: Other: Classroom Lighting: G-none Passive Daylighting: G-none | Descrip | otion of Buildin | a Structure: | | | | | | | |
| Exterior Walls: Load-bearing CMU w/ Brick Veneer Roof Structure: Wood Trusses ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455): N/A | _ 550114 | | | ead footings, re | inforced | slab on gra | ade (at g | randstands/pressbox) | | |
| ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455): N/A | | | | | | | | | | |
| ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455): N/A | ı | Exterior Walls | Load-bearir | ng CMU w/ Brick | (Veneer | | | | | |
| N/A Energy Consumption "Existing" (kBtu/sf/yr) Energy Consumption Target (kBtu/sf/yr) YES NO | F | Roof Structure | Wood Truss | ses | | | | | | |
| N/A Energy Consumption "Existing" (kBtu/sf/yr) Energy Consumption Target (kBtu/sf/yr) YES NO | | | | | **** | | | | | |
| Energy Consumption Target (kBtu/sf/yr) YES NO | ENERG | SY EFFICIENT | DESIGN (K | RS 157.450 an | d KRS 1 | 57.455 <u>)</u> : | | | | |
| Vest Continue Co | | N/A | Energy Con | sumption "Exis | ting" (kBt | u/sf/yr) | | | | |
| Vest Continue Co | | | Energy Con | Sumption Tora | st /bBtu/e | FAur\ | | | | |
| □ □ Designed to meet Energy Star □ □ 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 are used seasonally □ □ Designed to be Net-Zero Designed to be Net-Zero Ready □ □ Designed to be Net-Zero Ready □ Des | VEC | NO | _ chergy con | isumption raige | st (kibiti/s | 17 y 1 <i>)</i> | | | | |
| Designed to meet Energy Star V | _ | | LEED O L' | e | 04 | | | | | |
| | _ | | | | | · | | | | |
| Whole Building Life Cycle Cost Analysis Demonstrating Cost Effective Design | _ | | _ | | | % (Minimu | ım) | | | |
| Life Cycle Cost Analysis Software Used: If not yes to one or more of the above, explain why. are used seasonally | = | | | | | | | Cost Effective Design | | |
| Heating and ventilation only as the proposed buildings Heating and ventilation only as the proposed buildings | | ۳ | | | | - | _ | , Coot Endouve Books | | |
| Energy Efficient Design Features: (See List Page 4, or Use Drop Down List) East / West Building Orientation YES NO Gross Exterior Wall Area (sf): 2606 - Conc/RR Bldg; 372 Tkt Bth | | | | | | | | ntilation only as the propos | ed building | gs |
| Energy Efficient Design Features: (See List Page 4, or Use Drop Down List) East / West Building Orientation YES NO Gross Exterior Wall Area (sf): 2606 - Conc/RR Bldg; 372 Tkt Bth | | V | Designed to | be Net-Zero | | | | | | |
| East / West Building Orientation | | V | Designed to | be Net-Zero R | eady | | | | | |
| East / West Building Orientation | Energy | / Efficient Dec | sian Festure | s: (See List P | age 4 or | Use Dron | Down I | .ist) | | |
| Gross Exterior Wall Area (sf): 2606 - Conc/RR Bldg; 372 Tkt Bth Avg. Exterior Wall R-Value: 11.21 Gross Window / Door Area (sf): 190 - Conc/RR Bldg; 45 Tkt Bth Avg. Window/Door R-Value: 3.8 Gross Roof Area (sf): 2703 - Conc/RR Bldg; 104 Tkt Bth Avg. Roof R-Value: 19 Exterior Wall Type: A - face brick, captured air space, board insulation and waterproof CMU Other: Roofing Type: F - other, describe Other: HVAC System Type: Other: Other: Classroom Lighting: Concerns Other: Active Daylighting: F - none Other: Passive Daylighting: G - none Other: | | | - | <u> </u> | | | | , | | |
| Gross Window / Door Area (sf): 190 - Conc/RR Bldg; 45 Tkt Bth Avg. Window/Door R-Value: 3.8 Gross Roof Area (sf): 2703 - Conc/RR Bldg; 104 Tkt Bth Avg. Roof R-Value: 19 Exterior Wall Type: A - face brick, captured air space, board insulation and waterproof CMU Other: Roofing Type: F - other, describe Other: Asphalt Shingles over roofing HVAC System Type: Other: Other: Other: Classroom Lighting: F - none Other: Other: Active Daylighting: G - none Other: Other: | | _ | | | | | n A | vg. Exterior Wall R-Value: | 11.21 | ſ |
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| Roofing Type: F - other, describe Other: Asphalt Shingles over roofing HVAC System Type: Other: Classroom Lighting: Other: Active Daylighting: F - none Other: Passive Daylighting: G - none Other: | | | | | | | | | |) |
| Roofing Type: F - other, describe Other: Asphalt Shingles over roofing HVAC System Type: Other: Classroom Lighting: Other: Active Daylighting: F - none Other: Passive Daylighting: G - none Other: | | | | | | | | Other: | | |
| HVAC System Type: Other: Classroom Lighting: Other: Active Daylighting: F - none Other: Passive Daylighting: G - none Other: | | | | | | | | | | Asphalt Shingles over roofi |
| Classroom Lighting: 6 - none Other: Other: Passive Daylighting: 6 - none Other: Other: | 7 | - • | | | | | | | _ | |
| Passive Daylighting: G - none Other: | | | | | | | | | _ Other: | |
| | Active | Daylighting: | F - none | | | | | | | |
| On Site Energy Generation: G - none Other: | Passive | e Daylighting: | G - none | - none | | | | | | |
| | On Site | Energy Gene | eration: | G - none | | | | | _ Other: | |

KENTUCKY DEPARTMENT OF EDUCATION 702 KAR 4:160

BG-2 OUTLINE SPECIFICATIONS ENERGY DESIGN CRITERIA

| PLUMBING: Type of Sewage Dispo | YES ☐ NO ☐ es: YES ☑ NO ☐ osal: Municipal | | | | | |
|--|--|---|-------------------------|--|--|--|
| Heating Only: | ION AND AIR CONDITIONING: Heating & Mechanical: Ventilation Only | X HVAC: | A/C Only: | | | |
| Fuel Source/Backup (i | · · · · · · · · · · · · · · · · · · · | | | | | |
| ELECTRICAL: | | | | | | |
| Source of Electric Pov | ver: KU | Lighting Intensity (fc.): | | | | |
| Voltage Serving Facilit | ty: <u>120/208</u> | Std. Classrooms Library/Media Ctr Science Lab | | | | |
| Number of Convenient Classrooms Library/Media Center Business Ed Family & Consumer So Camera System: | cience 15 | Science CIrm Band/Music Business Ed Shops | | | | |
| SPECIAL EQUIPMEN | <u>T</u> : | | | | | |
| System Bell Clock Fire Alarm Intercom Telephone Television Computer Wireless Network Interactive White bd Voice Amplification | Conduit Only | Conduit & Wiring | Complete with Equipment | | | |
| FIXED EQUIPMENT: | | | | | | |
| Teacher Cabinet Student Lockers Folding Bleachers Library Furnishings Dry Food Shelves | | Custodial Room Shelves Science Laboratories Family & Consumer Sci Other Other | | | | |

BG#_____

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| INTERIOR FINIS | H SCHEDULE: | | | |
|--|------------------------|---------------|-----------|-----------|
| AREA | FLOOR . | WAINSCOT | WALLS | CEILING |
| General Office Corridors Custodial Kitchen Cafeteria Gym Showers/Locker Toilets Library/Media Cnt Classrooms Music Art Science FMD | r | | | |
| OTHER AREAS | Sealed Conc. | N/A | CMU/Paint | Gyp/Paint |
| Miscellaneous Pro | oject Specific Feature | 98: | | |
| Kentucky Register | red Architect: | Date: 3/19/14 | | |
| Kentucky Register | red Engineer: | Date: 3/19/14 | | |
| Board Designee o | r Superintendent: | Date: | | |