

VOLUME 1 OF 1

012400

Geotechnical Data
Geotechnical Report
Structural Submittals
Temporary Erosion and Sediment Control

031000

Concrete Forming and Accessories
Concrete Reinforcing
Cast-In-Place Concrete
Precast Structural Concrete
Lightweight Insulating Concrete
Lightweight Insulating Concrete System Manufacturer's
Certification
Non-Shrink Grouting

042000

- Unit Masonry
- Exterior Stone Cladding
- Calcium Silicate Manufactured Stone Masonry

051200

- Structural Steel Framing
- Steel Joist Framing
- Steel Decking
- Cold-Formed Exterior Steel Stud Framing
- Cold Formed Steel Trusses
- Metal Fabrications
- Metal Stairs
- Pipe and Tube Railings
- Formed-Metal Fabrications

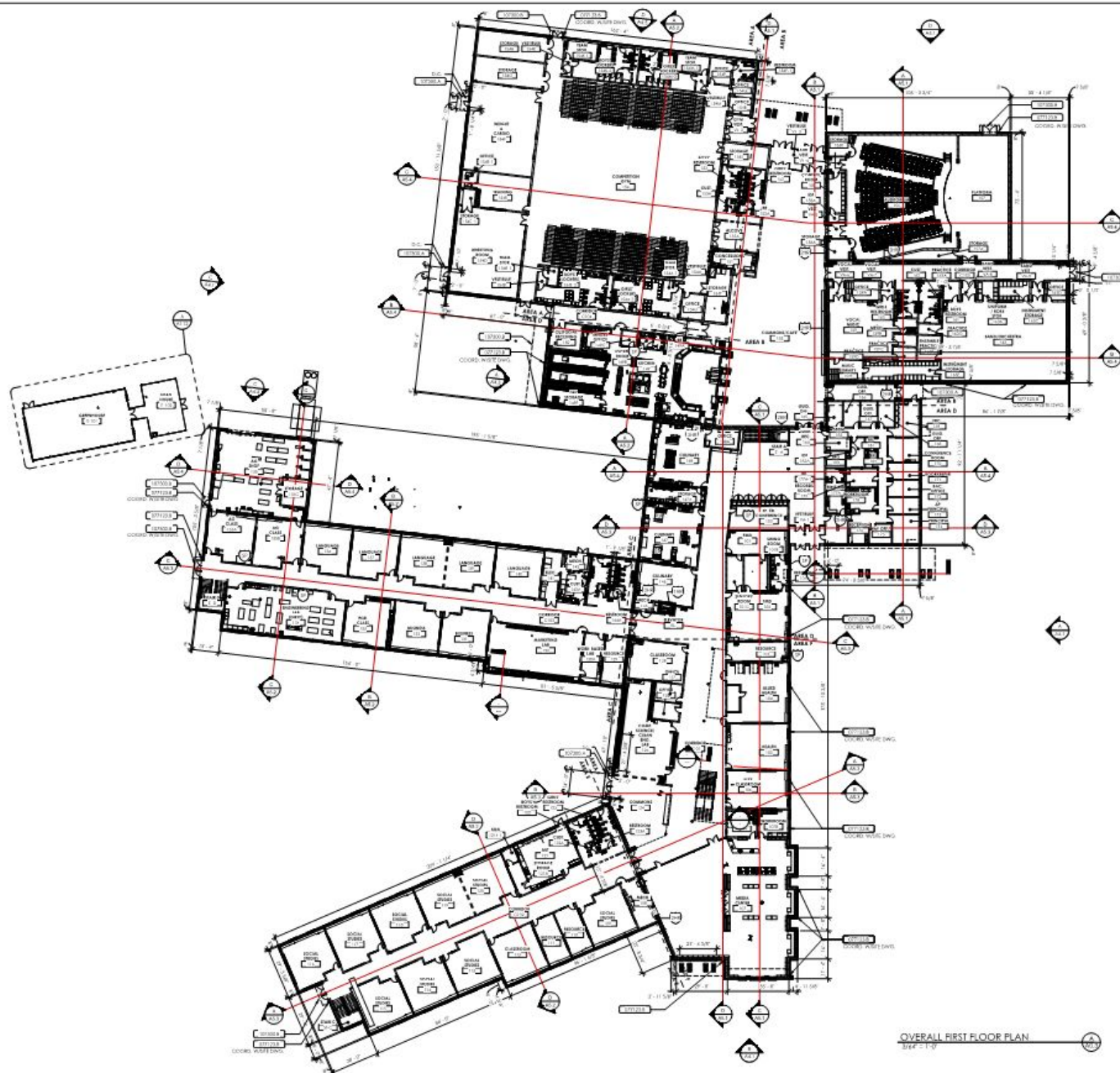
061000

Rough Carpentry
Interior Architectural Wood Casework

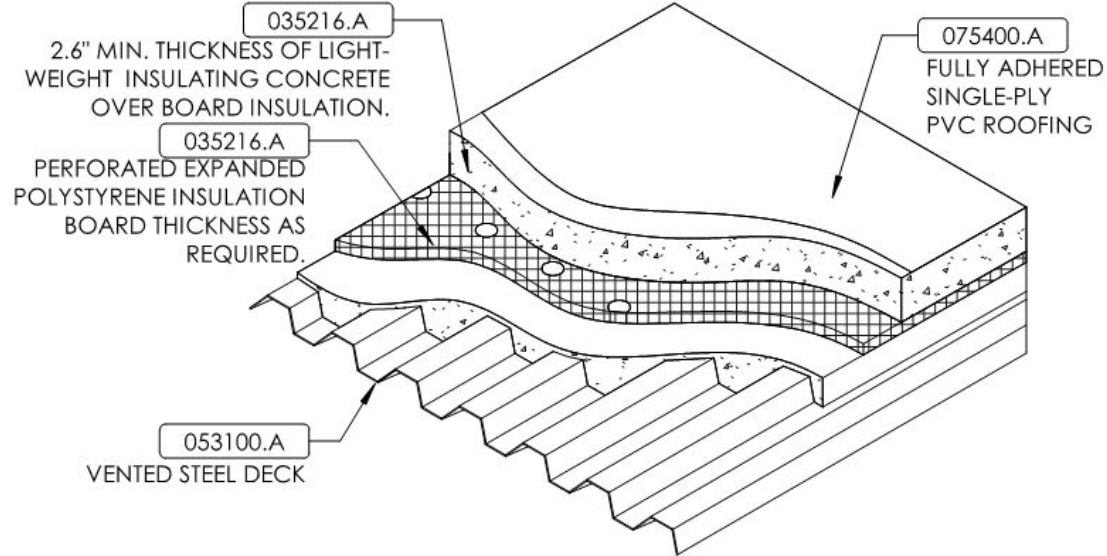
070810

Exterior Building Enclosure Weather Barrier Requirements
Weather Barrier System Pre-Installation Conference Guide
Bituminous Dampproofing
Underslab Sheet Waterproofing
Fluid-Applied Waterproofing
Thermal Insulation
Sprayed-In-Place Thermal Insulation (072100) Installer's

INDEX TO SPECIFICATIONS

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SPECIFICATIONS + DRAWINGS = CONSTRUCTION DOCUMENTS



ROOF TYPE
1

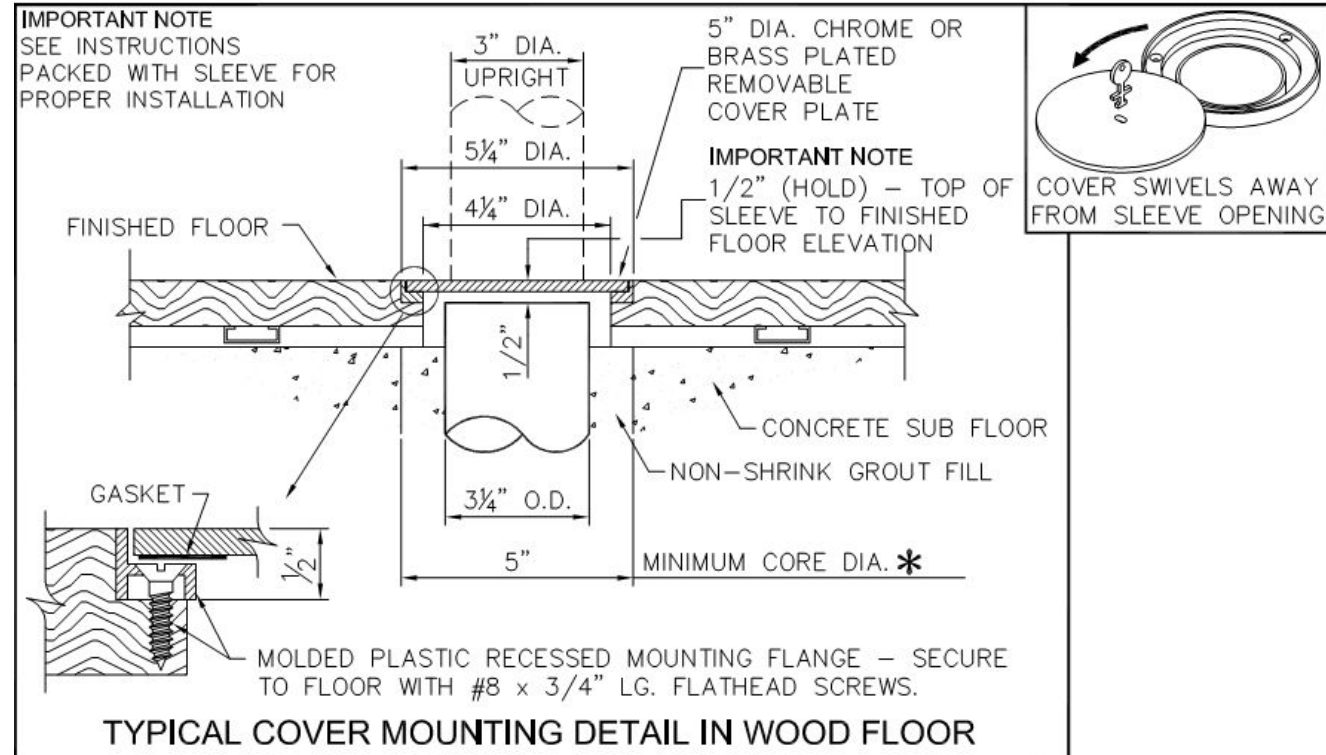
MINIMUM SYSTEM THICKNESS 6" @ DRAIN SUMP/ DECK LEVEL/SCUPPER OUTLET - SINGLE PLY PVC ROOFING SYSTEM (075400) OVER LIGHTWEIGHT INSULATED CONCRETE, VENTED METAL DECK, LEVEL STRUCTURE (SEE STRUCTURAL). FOR GRAPHIC INFORMATION SEE DETAIL ABOVE. REFER TO THE ROOF PLAN FOR ROOF SLOPES AND EDGE CONDITIONS. REFER TO THE SPECIFICATIONS FOR WIND UPLIFT, FIRE RESISTANCE RATINGS, AND WARRANTY REQUIREMENTS.

ROOF TYPE 1

N.T.S.

A
A3.1

KDE WAIVER REQUEST:
LIGHTWEIGHT INSULATING
CONCRETE ROOF IN LIEU OF
SLOPED STRUCTURE



KDE WAIVER REQUEST: FROM
PROHIBITION OF GYM FLOOR
INSERTS – VOLLEYBALL STANDARD
INSERTS WILL BE FLUSH WITH
FLOOR

District Name: Woodford District Code: 601 Facility Name: Woodford County High School School Code: 84

Project Name: New Woodford County High School-Phase 1

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

New Building ☒ ☐ 193,782

Addition ☐ ☒

Renovation ☐ ☒

Provisions for Future Expansion: At classroom wings.

Proposed Alternates: (1) Cafeteria Revisions (4) Road Connection-Tyrone Pk. (7) Owner-pref. HVAC Controls Mfr.
(2) Epoxy Terrazzo Flooring (5) Tyrone Pk. ROW work (8) Owner-pref. Access Ctrls. Mfr./Installer
(3) Geothermal HVAC (6) Schoolhouse Rd. ROW work (9) Owner-pref. Door Hdwr. Mfrs.

Describe special conditions, phasing of project and alternates, attach a supplemental sheet, if needed.

BUILDING CONSTRUCTION CHARACTERISTICS:

Description of Building Structure:

Foundation: Loadbearing concrete masonry construction supported on shallow foundations.

Exterior Walls: Load-bearing masonry with masonry veneer and metal panel siding. Metal studs in limited areas.
Precast concrete walls at the storm shelter.

Roof Structure: Sloped lightweight insulating concrete over metal decking and steel joists/beams. Metal decking over sloped steel joists/beams. Sloped precast concrete double tees with topping slab at storm shelter.

ENERGY EFFICIENT DESIGN (KRS 157.450 and KRS 157.455):

N/A Energy Consumption "Existing" (kBtu/sf/yr)

32 / 20 (Geo Alt) 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): 81,000 Avg. Exterior Wall R-Value: 22

Gross Window / Door Area (sf): 9,159 / 1,031 Avg. Window/Door R-Value: 2.2/10

Gross Roof Area (sf): 124,200 Avg. Roof R-Value: 30

Exterior Wall Type: B - face brick, captured air space, sprayed insulation on CMU Other: Metal Panel

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

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

Classroom Lighting: E - other Other: LED

Active Daylighting: A - classroom fluorescent dimming including dimming switches, ballasts and sensors Other:

Passive Daylighting: D - solar tubes without dimming 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: City Sanitary

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: Pad-mount transformer, Kentucky Utilities Lighting Intensity (fc.):

Voltage Serving Facility: <u>277/480V/3PH/4W</u>	Std. Classrooms	<u>50</u>
	Library/Media Ctr	<u>75</u>
	Science Lab	<u>50</u>
	Science Ctrm	<u>50</u>
	Band/Music	<u>50</u>
	Business Ed	<u>50</u>
	Shops	<u>75</u>
	Corridors	<u>20</u>
	Stairways	<u>20</u>
	Cafeteria	<u>50</u>
	Pre-School Ctrm	<u>N/A</u>
	Art Classroom	<u>100</u>
	Gymnasium	<u>50</u>

SPECIAL EQUIPMENT:

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

FIXED EQUIPMENT:

Teacher Cabinet	<u>Yes</u>	Custodial Room Shelves	<u></u>
Student Lockers	<u>Yes (limited)</u>	Science Laboratories	<u>Yes</u>
Folding Bleachers	<u>Yes</u>	Family & Consumer Sci	<u>Yes</u>
Library Furnishings	<u>Yes</u>	Other	<u>Fixed Bleachers</u>
Dry Food Shelves	<u>Yes</u>	Other	<u></u>

District Name: Woodford County District Code: 601 Facility Name: Woodford County High School School Code: 84

Project Name: Woodford County High School - Phase 1

Project Phase:	Design Development:	<input type="checkbox"/>	Construction Documents:	<input checked="" type="checkbox"/>
1. Site Development	\$		4,780,608	
2. General Construction	\$		27,040,314	
3. Heating, Ventilation & Air Conditioning	\$		7,071,316	
4. Plumbing (Include Sprinkler System)	\$		3,685,052	
5. Electrical Work	\$		7,220,710	
6. Sewage Disposal System	\$		0	
7. Total Construction Cost (1-6)			\$	49,798,000.00
8. Site Acquisition Cost (Purchase Price)	\$		0	
9. Legal Services	\$			
10. Fiscal Agent Fee	\$		302,546	
11. Bond Discount	\$		1,208,400	
12. Architect/Engineer Fee	\$		2,687,104	
13. Construction/Manager Fee (if Applicable)	\$		1,206,445	
14. Equipment/Furnishings (Not Fixed)/Computers	\$		1,800,000	
15. Property & Topographic Survey	\$		54,040	
16. Geotechnical Survey & Report	\$		39,250	
17. Special Inspections	\$		350,000	
18. Asbestos Abatement	\$		0	
19. Commissioning Fee	\$		125,000	
20. Plan Review Fee	\$		29,100	
21. Printing & Distribution of Bid Docs	\$		0	
22. Contingencies - Minimum 5% of Line 7	\$		2,489,900	
23. Other Cost (Describe)	\$		310,000	
24. Total Other Cost (8-23)			\$	10,601,784.52
25. TOTAL PROJECT COST (line 7 + line 24)			\$	60,399,784.52
a. Gross Square Foot Area*				193,782
b. Total Cost Per Square Foot				311.6893443
c. Total Cost Per Pupil				\$19,025.00
d. Gross Sq. Ft. Area of Alternates				3,639
* Base Bid Area Only				

Construction Cost (Base Bid) =
\$49,798,000.00

“Soft Costs”=
\$10,601,784.52

Total Project Cost (Base Bid) =
\$60,399,784.52