



### Macroples County Link Cohool

### McCracken County High School

McCracken County Board of Education, Paducah, KY

McCracken County High School's Athletic Complex redefined the high school athletic complex standard with its expansive 38-acre, state-of-the-art facility, setting a new benchmark in providing for both competition and practice needs.

Designed to comprehensively support the various athletic teams, the complex includes competition-level fields as well as dedicated practice facilities for football, track, soccer, tennis, baseball, and softball.

This innovative approach ensures that each sport has the resources needed to train and compete at a high level, while also accommodating the diverse scheduling and functional demands of a modern high school athletics program.

All competition fields were meticulously designed with minimal slopes, promoting optimal playability and efficient drainage. An advanced underground stormwater collection system captures surface runoff, channeling it to water quality basins before discharge into the on-site creek and wetlands, protecting the local ecosystem.

Each stadium is equipped with bleacher seating for both home and visitor sections and is supported by fully equipped concessions. Key facilities include:

- 1,500-seat baseball stadium
- 1,500-seat softball stadium
- 3,500-seat synthetic turf football stadium
- 8-court tennis complex (expandable to 12 courts)
- 750-seat natural turf soccer stadium
- 1,500-seat comprehensive track & field facility

Athletic programs are further supported by an array of specialized field houses, including:

- 300-seat Auxiliary Gym
- 23,500 SF indoor, 40-yard synthetic multi-sport turf practice facility, complete with an automated netting system for batting practice
- 5,200 SF indoor baseball and softball facility, offering locker rooms, offices, weight room, equipment room, and concessions
- 10,500 SF field house, housing locker rooms for football and soccer teams, coaches' offices, a classroom, and an equipment room
- 3,100 SF field house for football and soccer, featuring concessions and restrooms

This comprehensive arrangement of competition fields, practice facilities, and dedicated support buildings redefines high school athletic complexes, delivering a versatile, high-capacity environment to support the diverse needs of athletic teams and their supporters.

#### services

- Master Planning
- Architecture
- Landscape Architecture

#### construction cost \$8,000,000

#### status

Complete

#### reference

Mr. Michael Ceglinski
Asst. Superintendent | Former
High School Principal
270.538.4000
michael.ceglinski@mccracken.
kyschools.us

#### contractor

A&K Construction Calloway Ct Paducah, KY 42011 270.441.7752













### Warren Central High School

Warren County Board of Education, Bowling Green, KY

#### services

- Master Planning
- Architecture
- Landscape Architecture
- · Civil Engineering

#### size

- Athletic Complex Renovation
- Fieldhouse Expansion
- New Synthetic Turf Football/Soccer Field
- New Home Grandstands
- Track Expansion From 6 Lanes To 8
- New Pressbox

#### construction cost

\$10,700,000

#### status

Complete

#### reference

Mr. Chris McIntyre, CFO 270-781-5150 chris.mcintyre@warren.kyschools.us

#### construction mgr

Alliance Corporation 116 E. College Street Glasgow, KY 42141 270.651.8848 Warren Central High School, is the oldest high school building in the district. The original classroom building was built in 1941. By 1995, five major additions had been added to the original building, growing the student capacity to as many as 1,800 students. In 2011, Sherman Carter Barnhart designed a new 65,000 SF classroom building and renovated the entire collection of additions to the original structure.

In 2018, the Board wanted a comprehensive renovation focused on enhancing the academic environment, athletic facilities, and the building's overall energy efficiency.

Planning and design meetings conducted in close collaboration with the school's administration and staff, the master plan provided a road map to implement the renovations in three meticulously planned phases, ensuring minimal disruption to school activities.

Phase I, revitalized the school's band and choral practice rooms, as well as media center into a media hub featuring extensive media labs and interactive learning areas.

Phase II - A master plan was developed to provide a road map for the comprehensive renovation of the athletic complex. The plan touched every part of the athletics complex, including new baseball and softball fields, new tennis courts and a new synthetic turf football/ soccer stadium featuring a new field house and 8 lane broken back rubberized track. A new press box and bleachers were added to the football stadium, and a new centralized field house was constructed to house locker rooms, weight training, public restrooms, and concessions. An existing storage building was transformed into a state of the art batting facility.

The last phase added 14 new classrooms and modernized the cafeteria, added a auxiliary gym, and new kitchen. This phase also introduced a new lobby, concessions, and restroom facilities in the existing gym. Infrastructure upgrades such as a new HVAC/Geothermal system, LED lighting, and plumbing enhancements were also part of this final phase.







## Athletic Complex & Master Plan

## Floyd Central High School

Floyd County Board of Education, Prestonsburg, KY

#### services

Architecture Master Planning Interior Design Landscape Architecture Civil Engineering

size • students 141,721 SF • 750 Students

construction cost \$26,151,000

status complete

reference Linda Hackworth, CFO 606-874-2435 linda.hackworth@floyd.

construction mgr Codell Construction 859-744-2222

kyschools.us

Floyd Central High School features a competition gymnasium with a second-story walking track and seating for 1,038. In addition, there is dedicated spaces for the ROTC, archery program, and concessions outside the gymnasium.

The Athletic Complex features a synthetic turf football/soccer, athletic complex, softball/ baseball fields and associated support facilities.

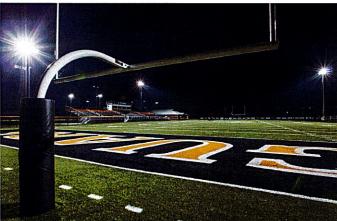
The new Athletic Complex is entered through an all-sport complex/fieldhouse featuring locker rooms, public restrooms and concession areas for the sports teams.

Once inside the complex, two symmetrical walks lead to the baseball complex or football complex. All fields include a multi-zone irrigation system. All competition fields have been designed with minimal slopes with an underground storm water collection system to collect surface water. The storm water collection is designed to flow to local water quality basins, prior to discharging into the on site creek and wetlands.

The softball and baseball complex feature 1500 bleacher seats and are supported by a concessions, restrooms and locker facilities.













## Athletic Complex & Master Plan

### Greenwood High School

Warren County Board of Education, Bowling Green, KY

The Greenwood High School (originally designed by Sherman Carter Barnhart in 1988) and Drakes Creek Middle School campus is landlocked by surrounding businesses and residential developments. Faced with traffic congestion at the Scottsville Road entry, outdated and undersized spaces, and the need for major interior upgrades, Greenwood High School and its campus is undergoing a major renovation, expansion and reorganization.

Through a collaborative effort with Warren County stakeholders, SCB developed a detailed master plan that takes a holistic approach to overcome the challenges and create a campus and athletic complex to serve the entire community.

The athletic complex at Greenwood High School was renovated to create premier athletic fields for the Greenwood Gators. Designed to foster community engagement and promote athletic excellence, the renovated complex includes a new synthetic turf football/soccer/baseball fields, a Health and Wellness Facility, and an auxiliary gymnasium.

The new Health and Wellness Facility will serve as the heart of the complex, welcoming both athletes and spectators. This versatile facility serves as a practice facility for the school athletes featuring a golf simulator room, a new weight room and modern locker rooms. Integrated into the home grandstands, the facility offers concessions and restrooms for all patrons. The new grandstands feature a modern press box, providing media professionals with an ideal location to cover events and support the growing interest in the school's athletic programs.

The football/soccer field has been significantly enhanced with the installation of high-quality synthetic turf, ensuring a consistent playing surface, optimizing the field for year-round use. The baseball complex has been upgraded to include a synthetic turf field and new grandstands and announcer box.

The upgraded athletic complex in combination with the new athletic facilities creates a vibrant and engaging atmosphere for both the Greenwood Gators and the surrounding community, making it a true centerpiece for school spirit and athletic achievement.

#### services

- Master Planning
- Architecture
- Interior Design
- Structural Engineering

#### size

Health & Wellness Facility: 33,165 SF

#### construction cost

Athletics & Health & Wellness : \$7,598,594

#### status

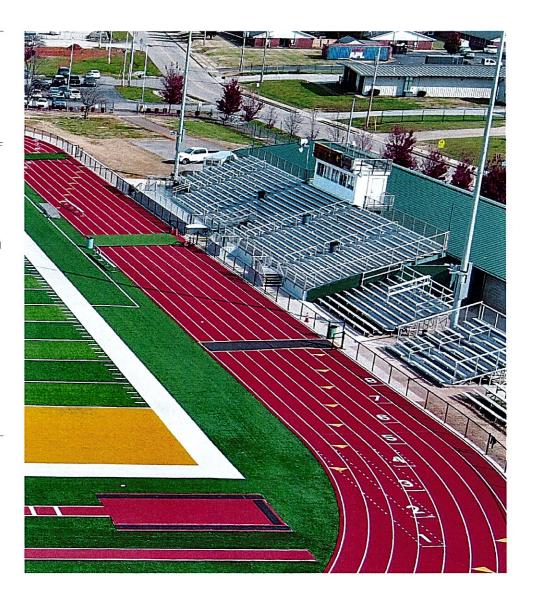
Athletic Fields: Complete Fall 2024 Health & Wellness : To Be Completed May 2025

#### reference

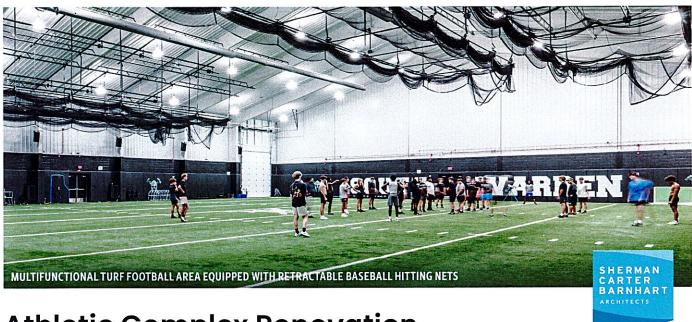
Mr. Chris McIntyre, CFO 270-781-5150 chris.mcintyre@warren.kyschools.us

#### construction mgr

Alliance Corporation 116 E. College Street Glasgow, KY 42141 270.651.8848







## **Athletic Complex Renovation**

### South Warren High School

Warren County Board of Education, Bowling Green, KY

Sherman Carter Barnhart Architects designed a cutting-edge athletics complex for South Warren Middle & High School, providing a comprehensive solution to support the needs of both middle and high school athletes as well as the local community. Positioned south of the main school, the complex is anchored by an all-sports field house that functions as the primary entry point, offering locker rooms, restrooms, and concessions. Beyond the field house, a central gathering area with masonry seat walls and a flagpole overlooks the complex, while concrete walkways provide secure ambulance and service access.

The complex includes a full range of competition and practice facilities: a softball complex, baseball complex, competition football field with an eight-lane track, four tennis courts, competition soccer field, and additional practice fields. All fields are carefully oriented to maximize playability with respect to sunlight. The baseball and softball areas feature press boxes, bleachers, and recessed dugouts, enhancing the experience for athletes and spectators alike.

To address the site's challenging karst geology, the architects incorporated stormwater solutions such as bioswales, permeable pavers, and a subsurface collection system that directs water to quality basins before

release into the creek and wetlands. These elements work together to manage water runoff effectively while promoting groundwater recharge.

Phase II introduced a state-of-the-art indoor practice facility with a multifunctional turf area, retractable nets for baseball practice, and various program spaces like a golf hitting area and weightlifting section. The facility's structure blends energy-efficient insulated wall panels with a durable brick and calcium silicate veneer exterior, while the interior features robust materials and a sleek design for easy maintenance and visual appeal.

For added convenience, the complex offers dedicated concessions, restrooms, and seating areas for spectators, with parking designed to accommodate both daily school use and event needs. Additional fields outside the main complex support middle school activities, creating a versatile and inclusive athletic environment that meets the diverse needs of students, athletes, and the surrounding community.

#### services

- Master Planning
- Architecture
- Landscape Architecture
- Civil Engineering
- Structural Engineering

#### master plan program

- Natural Turf Football Field 2,200 Seats
- Track & Field Events: Pole Vault, Long Jump, High Jump, Discus And Shot Put
- ♦ 8-Lane 400 Meter Oval Track
- ♦ Natural Turf Soccer Field 300 Seats
- Practice Football Field
- ♦ Four Tennis Courts 100 Seats
- ♦ Baseball Complex 500 Seats
- Press Box At Each Field

#### size

29,533 SF

#### construction cost

Athletic Complex: \$5,400,000 Practice Facility: 7,598,594

#### status

Complete

#### reference

Mr. Chris McIntyre, CFO 270-781-5150 chris.mcintyre@warren.kyschools.us

#### construction mgr

Alliance Corporation 116 E. College Street Glasgow, KY 42141 270.651.8848











## **Athletic Complex Renovation**

### Glasgow High School

Glasgow Independent Schools, Glasgow, KY

Sherman Carter Barnhart was hired to renovate portions of the aging athletic stadium and design a new fieldhouse. Working closely with the Board of Education and the administration, Sherman Carter Barnhart removed the existing football/track bleachers and press box to create a larger home side bleacher featuring a press box and a new visitor side with bleachers. The athletic complex features two new support buildings; a new fieldhouse and new restroom building.

The new field house features:

- Locker Room, Weight Room, Training Room
- Synthetic Turf Sprint Field
- Covered Entry Breezeway
- Separate Bathroom Building
- Perimeter And Sport Field Fencing
- **New Parking**
- A Freshman Locker Room
- Team Meeting,
- Storage Area For Field Equipment.

The new athletic complex also features a Visitor Fieldhouse With Locker Room and Field Equipment Storage.

The location and the multi-purpose design makes it a facility for well-rounded use and better accessibility to students in athletic programs.

#### New Softball Complex

Rigdon-Kiser Field at Bush Stadium is the brand-new softball field on Glasgow High School's campus. Before construction of the new Glasgow High School softball field, the Lady Scotties softball team played and practiced offcampus at a local park.

Natural grass sports turf in the outfield transitions to a gravel warning track along the fence for player safety. The infield includes a natural clay surface and the home plate is enclosed with a backstop wall and net system. Both home and visiting teams have bull pens and the field's perimeter fence is equipped with wind screens. An underground drainage system ensures water is properly drained from the field.

The 70-seat bleacher is located directly behind home plate with a press box overlooking the field. Amenities include concessions and restrooms and home and visitor dugouts. The LED sports field lighting ensures high quality lighting for nighttime games.

#### services

- Architecture
- Landscape Architecture
- Civil Engineering
- Structural Engineering

### construction cost

\$4,448,000

#### status

Complete

#### reference

Dr. Chad Muhlenkamp, Superintendent chad.muhlenkamp@ glasgow.kyschools. us 270.651.6757

#### contractor: football

Scott Murphy & Daniel Bowling Green, KY 42102

#### contractor: softball

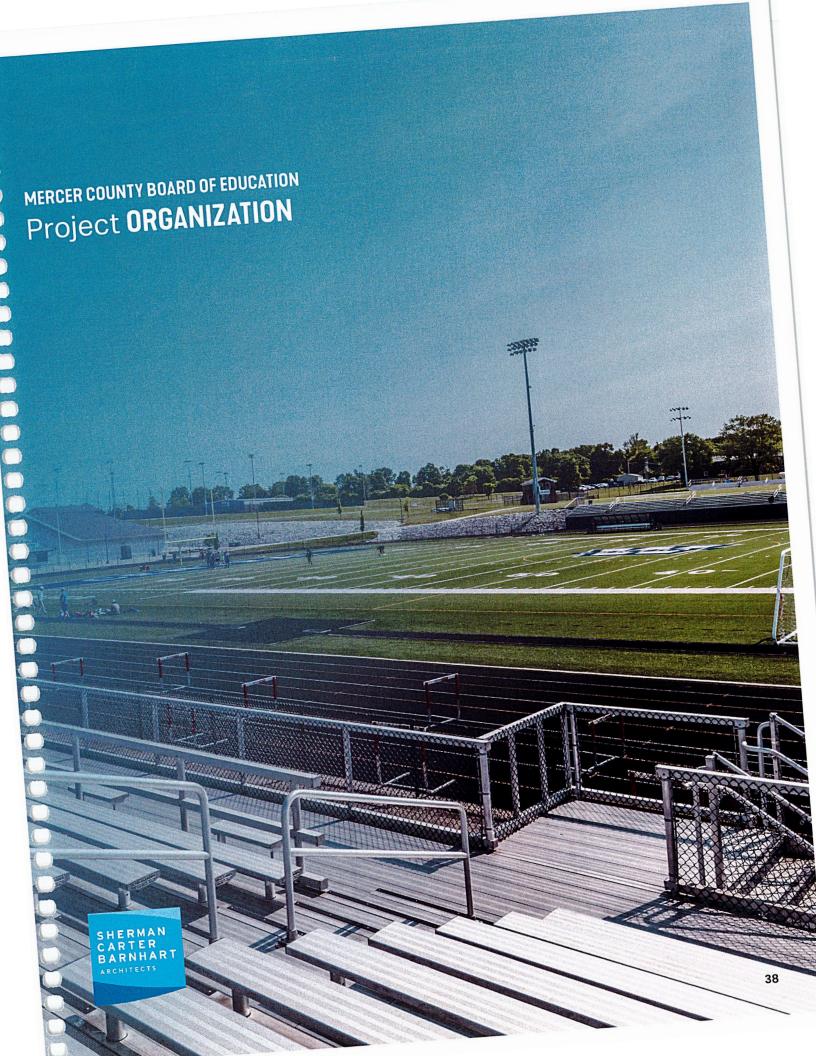
**Alliance Corporation** 

Glasgow











# SHERMAN CARTER BARNHART ARCHITECTS Project ORGANIZATION



JUSTIN McELFRESH AIA, LEED AP principal in charge

#### Sherman Carter Barnhart Team

architecture + landscape architecture + civil engineer + structural engineering



ALLISON COMMINGS AIA, LEED AP, KYCID project manager



CHAD HUTCHINS
PLA, LEED AP
landscape architect



PE, LEED AP civil engineer



BILL GRIGSBY PE, SE structural engineer

#### Mechanical + Electrical Engineer

Sherman Carter Barnhart works with a variety of mechanical and electrical engineering consultants. Before selecting a consultant for this project, we will consult with the Mercer County Board of Education to ensure alignment with the District's preferences and expectations. This consultation can happen quickly, allowing us to engage the engineer early in the process.

We prefer this collaborative selection method for several key reasons. First, we recognize that each school district has its own unique standards and operational requirements. Second, there are numerous highly qualified engineering firms available, and we value the District's input. Each firm brings different strengths to the table, and our goal is to match the specific needs of Mercer County and the project with the right firm's expertise. Additionally, we want to ensure the selected engineer has the capacity to meet the project schedule.

For all these reasons, Sherman Carter Barnhart will work closely with the Mercer County Board of Education to thoughtfully and efficiently select the most appropriate mechanical and electrical engineering partner for this project.



# **Justin McElfresh,** AIA, LEED AP Principal In Charge



#### Relevant Project Experience

Allen County High School Athletic Complex Master Plan + Implementation

Allen County Schools, Scottsville

Greenwood High School Athletics Master Plan + Renovated Athletics Complex

Warren County Schools, Bowling Green

Paris High School Athletics Complex Improvements

Paris City Schools

Warren Central High School Athletic Complex Upgrade & Renovation, Warren County Schools, Bowling Green

South Warren Middle & High School Athletic Master Plan + New Athletic Complex

Warren County Schools, Bowling Green

Breckinridge High School Athletic Complex Renovation Breckinridge County Schools, Hardinsburg

Spencer County High School Athletic Complex Improvements, Spencer County Schools, Taylorsville

Meade County High School Athletics Renovation

Meade County Schools, Brandenburg

Harlan High School Athletic Improvements

Harlan Independent Schools

South Laurel High School Baseball & Softball Complex Renovations, Laurel County Schools, London

North Laurel High School Softball & Baseball Complex Improvements Laurel County Schools, London

#### Responsibilities

As Principal In Charge, Justin will:

- Work closely with Mercer County Schools stakeholders as well as the design team leading the overall programming and design of the New High School Stadium & Tennis Courts project
- · Oversee the quality of the team's work
- Oversee the staffing requirements and scheduling

#### Experience

Justin's primary role as Principal In Charge is to collaborate with Mercer County Schools and all stakeholders to thoroughly understand your needs and goals. By listening closely, he translate your vision and goals into a distinctive, functional solution unique to Mercer County. Justin has a well-respected reputation for his ability to listen to clients and is known for his collaborative approach, ensuring projects meet the budget, schedule, and goals of his clients.

As one of the Principals of Sherman Carter Barnhart's Education Studio, Justin works extensively with school districts throughout Kentucky. With over 21 years of experience and a vast portfolio of planning, programming and design experience, he has successfully planned and designed numerous athletic projects from state-of-the-art stadiums to field replacements, to indoor practice facilities to concession facilities. All while providing the most cost effective design solutions that meets his clients needs.

#### Education · Registrations · Professional Affiliations

- · University of Kentucky, College of Design, School of Architecture
- Kentucky Registration No. 6844
- · LEED Accredited Professional, United States Green Building Council
- American Institute of Architects
- National Council of Architectural Registration Boards (NCARB)



# **Allison Commings,** AIA, LEED AP, KYCID Associate Principal + Project Manager



#### Relevant Experience

Spencer County High School Athletic Complex Improvements Spencer County Schools, Taylorsville

Boyd County High School Athletic Complex Boyd County Schools, Ashland

McCracken County High School +
Athletic Complex
McCracken County Schools, Paducah

Glasgow High School Athletic Renovation + Improvements Glasgow Independent Schools, Glasgow

Floyd Central High School & Athletic Complex

Floyd County Schools, Prestonsburg

Barren County High School Soccer Restroom & Concessions Barren County Schools, Glasgow

Betsy Layne High School Baseball Field Renovation Floyd County Schools, Prestonsburg

South Laurel High School Football Field Turf Replacement Laurel County School, London

Harlan High School Athletic Improvements, Harlan Independent Schools

LaRue County High School Football Stadium Improvements, LaRue County High School

#### Responsibilities

As Project Manager, Allison will:

- Serve as Mercer County's point of contact
- Work closely with Justin McElfresh and Mercer County stakeholders throughout the planning and design of the New High School Stadium & Tennis Courts project
- Coordinate the work effort with all design team members to meet the schedule
- Provide construction detailing & specification writing
- Implement and manage the quality control process and building code review
- · Manage the project bidding phase
- Monitor the project budget and schedule, maintaining a balance between the scope and available funds

#### Experience

Allison grew up in a house of educators. Her mother is a retired teacher, and her father is a retired Superintendent. She's continued this dedication to education, as an architect working with schools throughout Kentucky.

As a member of the Education Studio, Allison has worked with numerous school districts on a variety of projects, including athletic projects.

In collaboration with Justin and Mercer County stakeholders, Allison will apply the firm's proven project approach and planning process, emphasizing clear communication, detailed project planning, active stakeholder involvement, and accountability to successfully complete the New High School Stadium & Tennis Courts project. This process is designed to develop a deep understanding of all project aspects, from program elements to functional needs, ensuring that the resulting design aligns with Mercer County's vision for your new high school stadium and tennis court project.

Allison has a strong record of effective project management across varied sizes, scopes, and budgets. By controlling costs from the outset during programming and design and carefully evaluating design alternatives, she ensures projects remain within budget and deliver maximum value.

#### Education · Registrations · Professional Affiliations

- · University of Kentucky, College of Design, School of Architecture
- Registered Architect, Kentucky Registration No. 7194
- LEED® Accredited Professional
- American Institute Of Architects
- US Green Building Council
- Certified Interior Designer, KYCID0311



# Chad Hutchins PLA, ASLA, LEED AP Landscape Architect



#### Relevant Project Experience

Glasgow High School Athletic Renovation + Improvements Glasgow Independent Schools, Glasgow

Paris High School Athletics Complex Improvements Paris City Schools

South Warren Middle & High School Athletic Master Plan + New Athletic Complex

Warren County Schools, Bowling Green

Breckinridge High School Athletic Complex Renovation Breckinridge County Schools, Hardinsburg

Boyd County High School Athletic Complex

Boyd County Schools, Ashland

Meade County High School Athletics Renovation

Meade County Schools, Brandenburg

South Laurel High School Baseball & Softball Complex Renovations, Laurel County Schools, London

North Laurel High School Softball & Baseball Complex Improvements Laurel County Schools, London

Betsy Layne High School Baseball Field Renovation

Floyd County Schools, Prestonsburg Bardstown High School Athletic

Improvements
Bardstown Independent Schools

#### Responsibilities

As the Landscape Architect/Site Designer, Chad will:

- Work closely with the design team, and Mercer County stakeholders on the planning and design of the New High School Stadium & Tennis Courts project
- Work closely with Civil Engineer, Mike Bashikhes, PE
- · Lead the site design including site orientation, grading & drainage
- · Provide construction administration services, as needed

#### Experience

Chad brings 19 years of experience in master planning, site analysis, and site design/development. He is dedicated to creating site design solutions tailored to each location and client, ensuring integration with the immediate surroundings and community.

He has worked extensively with school districts across the state working collaboratively with districts on the planning and design of a wide range of athletic complexes, encompassing both synthetic and natural turf fields, field events, as well as venues for softball, baseball, tennis, basketball, golf, and cross-country.

His thorough understanding of how athletic events are conducted and facilities operate for participants, officials, spectators, and maintenance crews informs his designs, ensuring they meet the highest standards. Chad also recognizes the critical role of effective stormwater drainage and its impact on facility performance. His expertise ensures that fields are designed to drain properly, enhancing their usability and longevity. leads to more consistent, stable and safer playing conditions.

#### Education • Registrations • Professional Affiliations

- · University of Kentucky, Bachelor of Science, Landscape Architecture
- · Registered Landscape Architect KY No. 744
- KY American Society of Landscape Architects
- United States Green Building Council



# Mike Bashikhes PE, LEED AP Civil Engineer



#### Relevant Project Experience

Glasgow High School Athletic Renovation + Improvements Glasgow Independent Schools, Glasgow

Paris High School Athletics Complex Improvements

Paris City Schools

South Warren Middle & High School Athletic Master Plan + New Athletic Complex

Warren County Schools, Bowling Green

Breckinridge High School Athletic Complex Renovation Breckinridge County Schools, Hardinsburg

Boyd County High School Athletic Complex Boyd County Schools, Ashland

Meade County High School Athletics Renovation

Meade County Schools, Brandenburg

South Laurel High School Baseball & Softball Complex Renovations, Laurel County Schools, London

North Laurel High School Softball & Baseball Complex Improvements Laurel County Schools, London

Betsy Layne High School Baseball Field Renovation Floyd County Schools, Prestonsburg

Bardstown High School Athletic

Improvements
Bardstown Independent Schools

#### Responsibilities

As the Civil Engineer for the project, Mike will:

- Provide all required site/civil engineering planning and design, utility and infrastructure system design as required.
- · Work collaboratively with the entire design team, throughout the master planning process.
- · Work closely with Chad in the surveying and assessment for the site
- · Assist with the cost estimating

#### Experience

Mike is a seasoned civil engineer with over 40 years of experience in site and civil engineering design. His expertise spans all aspects of site master planning and design, including site layout, earthwork analysis, drainage and grading plans, erosion and sediment control, hydrology and hydraulic calculations, stormwater systems, sanitary sewer plans, profiles, and NPDES stormwater permitting.

Collaborating with Chad Hutchins, Mike has designed numerous athletic complexes featuring both synthetic and natural turf football/soccer fields, field events, and venues for softball, baseball, tennis, and basketball. He has a deep understanding of stormwater drainage and its critical role in maintaining consistent, stable, and safe playing conditions.

As a LEED® Accredited Professional, Mike integrates sustainable practices into his designs, ensuring projects are functional, aesthetically pleasing, and environmentally responsible. His collaborative approach with the design team helps deliver innovative, sustainable solutions tailored to client and community needs.

#### Education · Registrations · Professional Affiliations

- Moscow Civil Engineering Institute, MS, Structural Engineering.
- Moscow Institute of Electronic Engineering, Applied Mathematics.
- Registered Professional Engineer KY No. 19610
- · United States Green Building Council



### **Bill Grigsby,** PE, SE Structural Engineer



#### Relevant Project Experience

James E Bazzell Middle School Renovation

Allen County Schools, Scottsville

Greenwood High School Athletics Master Plan + Renovated Athletics Complex

Warren County Schools, Bowling Green

Paris High School Athletics Complex Improvements & New Synthetic Turf Football/Soccer Field Paris City Schools

Warren Central High School Athletic Complex Upgrade & Renovation, Warren County Schools, Bowling Green

South Warren Middle & High School Athletic Master Plan + New Athletic Complex

Warren County Schools, Bowling Green

South Warren Middle & High School South Athletic Building Warren County Schools, Bowling Green

Breckinridge High School Athletic Complex Renovation Breckinridge County Schools, Hardinsburg

Spencer County High School Athletic Complex Improvements,

Spencer County Schools, Taylorsville

Meade County High School Athletics Renovation

Meade County Schools, Brandenburg

Allen County High School Athletic Complex Master Plan + Implementation Allen County Schools, Scottsville

#### Responsibilities

As the Structural Engineer, Bill will

- · Lead the structural engineering design
- Prepare structural specifications, and coordinate drawings with other disciplines
- · Provide quality control
- Aid in the resolution of structural engineering-related issues during construction

#### Experience

Bill offers 30 plus years of experience in the field of structural engineering, which not only reflects his longevity in the field of structural engineering, but also a high level of expertise and ingenuity in solving structural challenges. He offers extensive experience with the design of structural systems including the economical long span structures, formulation and development of Insulated Concrete Form (ICF), structural steel, tilt-up concrete, pre-engineered metal buildings, reinforced concrete, prestressed concrete, masonry, and timber systems.

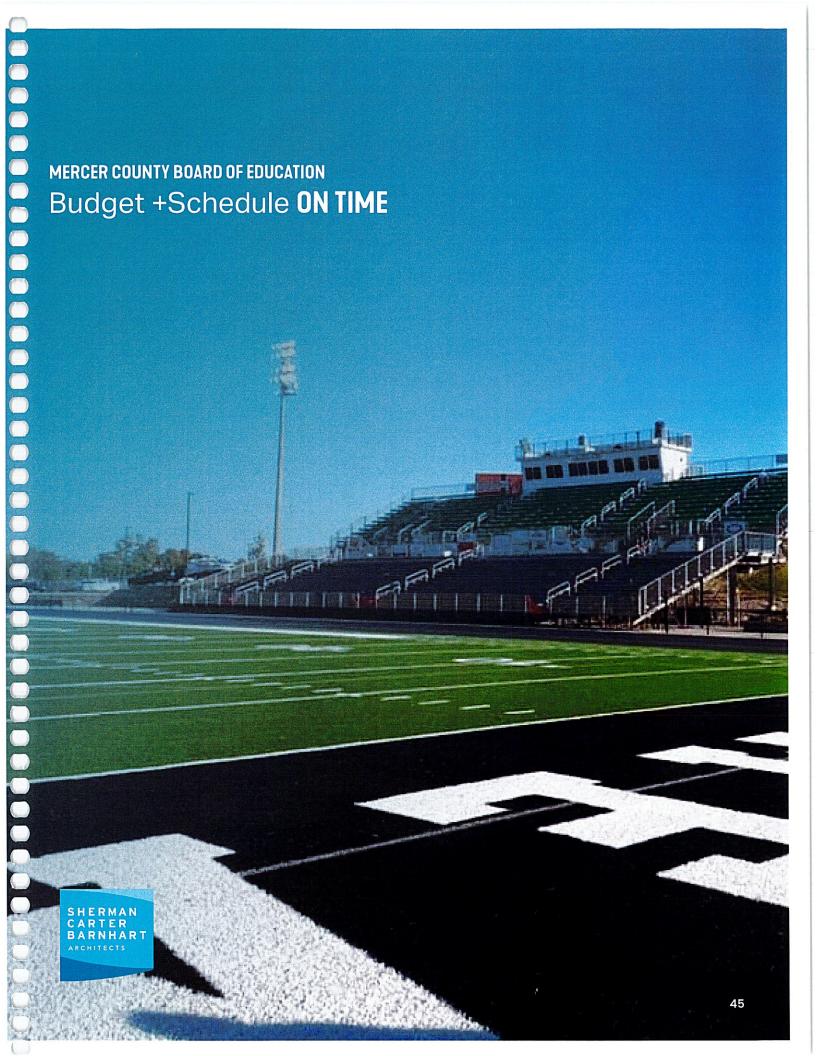
He offers three decades of experience in the management of structural design and construction oversight for a variety of structural systems including pre-engineered buildings.

He has a broad knowledge of numerous computer structural analysis tools and has used this understanding to model, analyze, and design complicated structures. He has served as Design Engineer and Project Manager for hundreds of projects requiring coordination and supervision of the drafting team. Bill provides a wide variety of services to our clients including: engineering design, project management, specification writing, construction oversight, and quality assurance oversight.

#### Education · Registrations · Professional affiliations

- Bachelor of Science, Civil Engineering Structural Engineering Emphasis, University of Kentucky.
- Registered Engineer KY No. 16114

Bill Grigsby 44





# SHERMAN CARTER BARNHART ARCHITECTS Budget+ Schedule MANAGEMENT

BUDGET MANAGEMENT Sherman Carter Barnhart has implemented procedures to ensure our projects finish on budget.

- In-house cost estimators provide the most accurate cost estimates possible.
- We track|manage the budget through each phase comparing it to the developed project scope.
- The project will only move forward when the cost estimate, budget and scope are aligned and approved by our client.
- Design reviews seek methods to reduce project costs, while maintaining design functionality.
- Material selection and design evaluations assure the project is economically implemented.
- Once the project has bid, we thoroughly review pricing to ensure Mercer County Schools is receiving the best value.

MILESTONE SCHEDULES We develop detailed project schedules and monitor staff availability to ensure projects are completed on time. The schedule controls all aspects of the project by identifying, each task and the time frame in which each task will be completed. We monitor manpower on a weekly basis to review progress, and make revisions as necessary.

#### Boyd County High School Athletic Complex Boyd County Schools, Ashland

Owners Budget	\$6,578,368
SCB Estimate	\$6,578,368
Total Contract Award	\$6,422,000
Scheduled   Actual Design	5   5 months
Scheduled   Actual Construction	12   12 months

## South Laurel/North Laurel High Schools Softball & Baseball Complex Renovations (4 Fields total)

Laurel County Schools, London

Owners Budget	\$3,200,000
SCB/CM Estimate	\$3,200,000
Total Contract Award	
Scheduled   Actual Design	2   2 months
Scheduled   Actual Construction	

#### Breckinridge High School Athletic Complex Renovation

Breckinridge County Schools, Hardinsburg

Owners Budget	\$10,000,000
SCB Estimate	\$10,000,000
Total Contract Award	\$9,831,375
Scheduled   Actual Design	10   10 months
Scheduled   Actual Construction	16   16 months

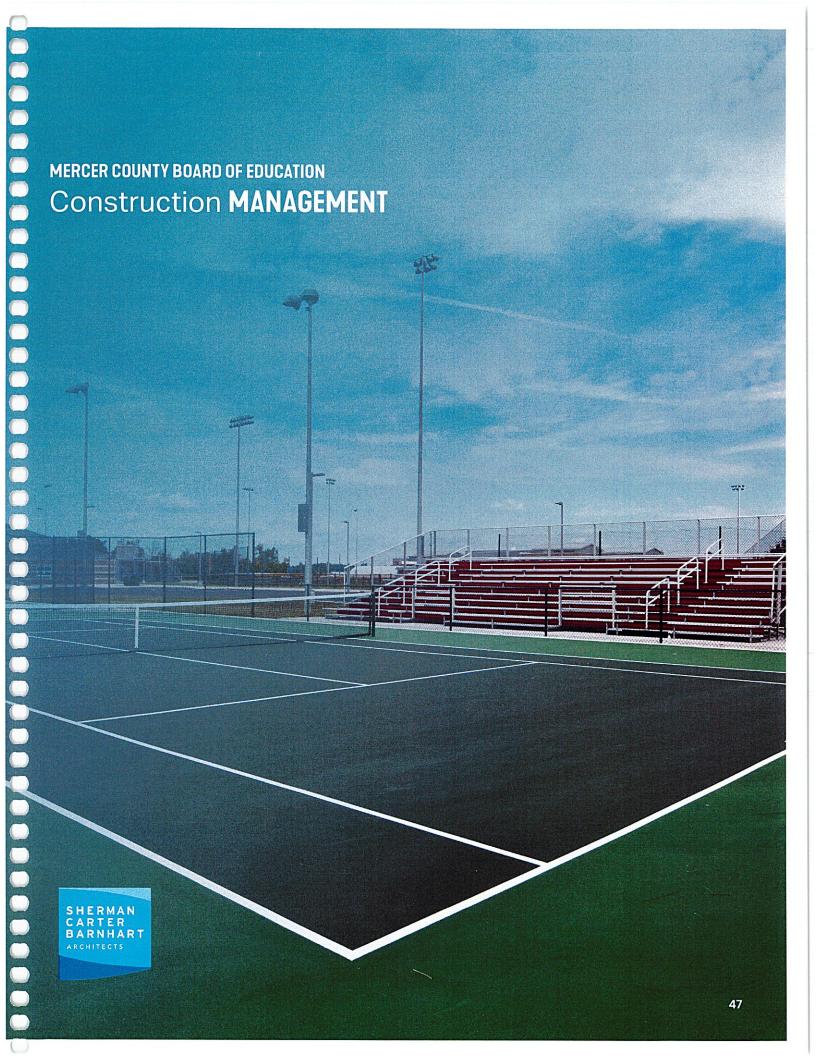
## Spencer County High School Athletic Complex Improvements + Multipurpose Building

Spencer County Schools, Taylorsville

Owners Budget	\$7,000,000
SCB Estimate	
Total Contract Award	
Scheduled   Actual Design	
Scheduled   Actual Construction	

## Glasgow High School Athletic Complex Improvements + New Softball Complex Glasgow Independent Schools, Glasgow

Owners Budget	\$4,700,000
SCB Estimate	
Total Contract Award	\$4,462,000
Scheduled   Actual Design	4   4 months
Scheduled   Actual Construction	.9   9 months





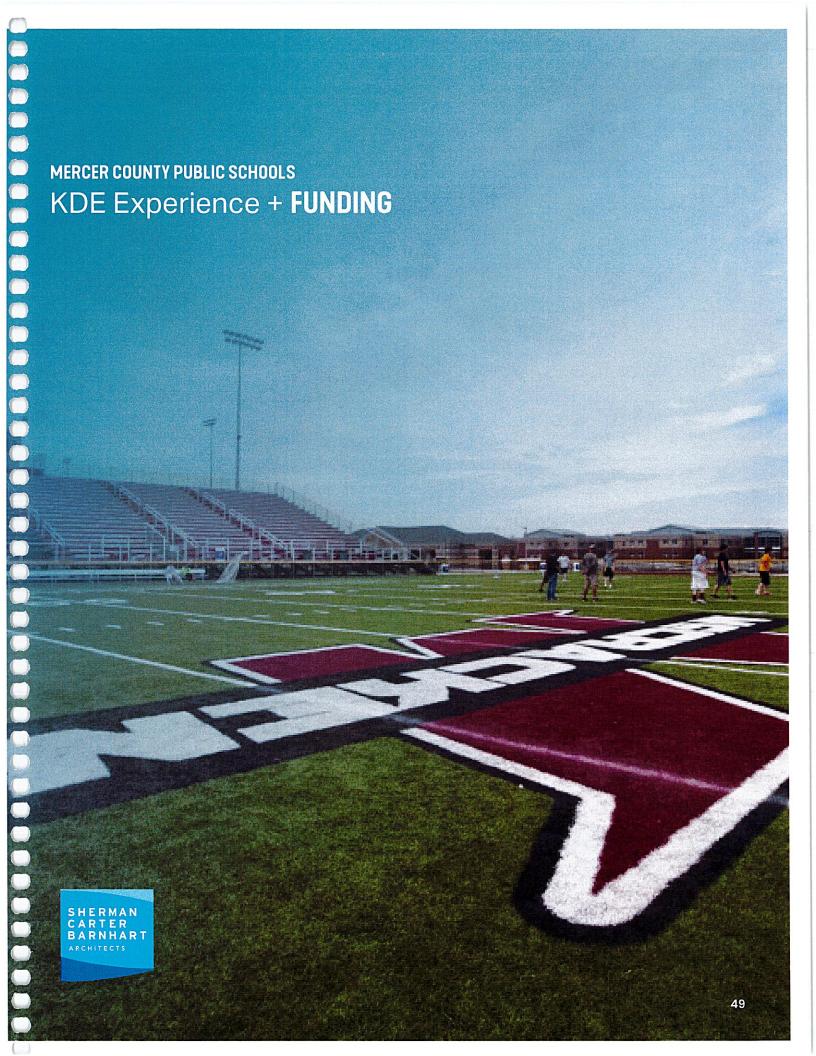
# SHERMAN CARTER BARNHART ARCHITECTS Construction Manager EXPERIENCE

We view the construction manager as an important member of the team. We work with the construction manager to control project costs, to maintain the established budget and to adhere to the schedule.

We have successfully completed over 200 projects working with construction managers.

- Alliance Corporation, Glasgow
- Branscum Construction, Russell Springs
- Codell Construction, Winchester
- H + M Constructors, Bowling Green
- · Trace Creek, Vanceburg
- Isaac Tatum, Lebanon
- Parco, Louisville
- McNutt, Elizabethtown
- E&H Construction, Shepherdsville
- Messer Construction, Lexington
- C.E. Pennington Company, Lexington
- BCD Construction Company, Bardstown
- · Venture Contracting, Glasgow
- McKnight & Associates, London
- · Morel Construction, Louisville
- D.W. Wilburn, Lexington
- Turner Construction, Cincinnati
- · Denham-Blythe, Lexington
- Monarch Construction, Frankfort
- CRSS Constructors, Lexington
- · Pilot Contracting, Erlanger
- Whittenberg Construction, Louisville

- Standafer Builders, West Liberty
- MP Kelly, Richmond
- Prodigy Construction Corp., Louisville
- · The Walker Company, Mt. Sterling
- Frederick & May, West Liberty
- · Elliott Contracting, Walton
- Rising Sun Construction, Lexington
- David Engineering, Louisville
- · Packs Inc., Morehead
- · Hacker Brothers, Corbin
- A&K Construction, Paducah
- Packs + Walker, Mt. Sterling
- · Calhoun Construction, Louisville
- John G. Johnson Construction, Cleveland, OH
- Pepper Construction Company, Cincinnati, OH



# SHERMAN CARTER BARNHART ARCHITECTS KDE Experience + School EXPERIENCE



#### **Experience With KDE**

Sherman Carter Barnhart has successfully worked with KDE for over 37 years. We have a clear understanding of the required documentation, schedules, and regulations ensuring your project will maintain both the design and construction schedule.

We see KDE as a valuable partner in the design and construction of schools. Their efforts increase a school district's understanding of the process and supports their mission of ensuring schools are substantially uniform throughout the state and are operated with no waste, duplication, mismanagement, or political influence.

We work with Districts to understand their goals and using our knowledge and experience we engage our clients in a dialog about how the facility guidelines apply to their goals. We introduce innovative solutions to meet our District's curriculum goals and successfully demonstrate to KDE how the innovation aligns with the facility guidelines.

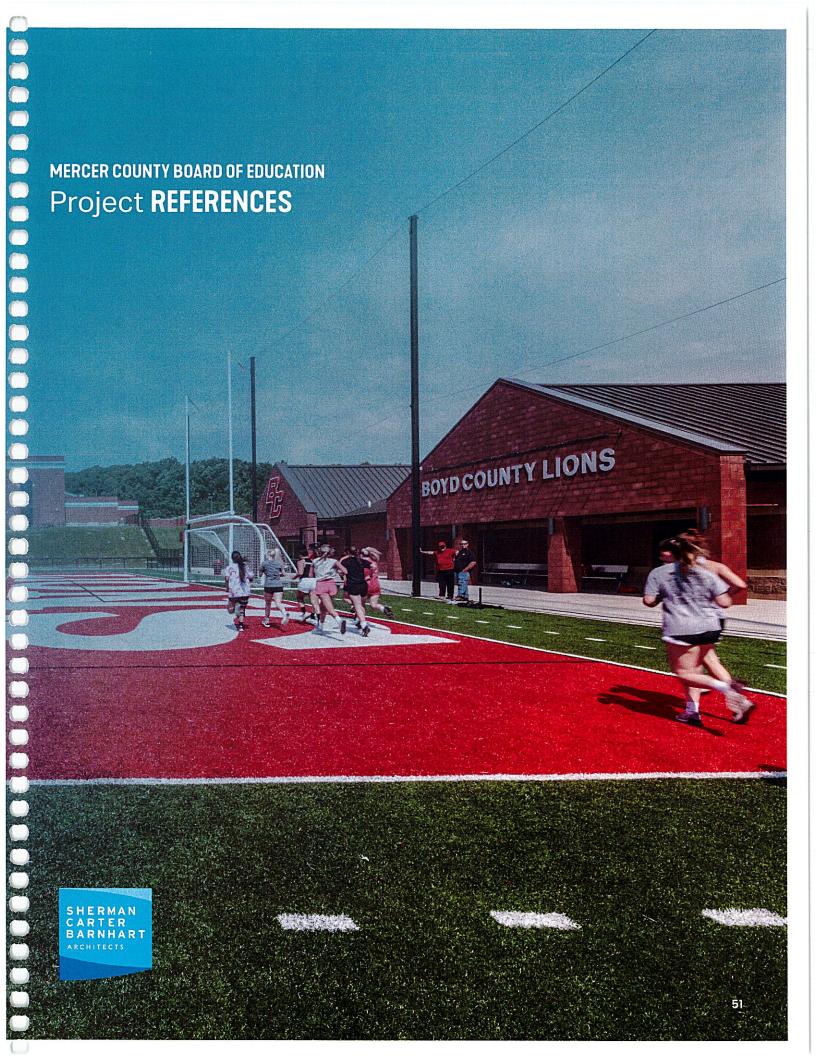
Our innovative energy solutions in collaboration with KDE led to the BG-2 form now including criteria for energy goals and strategies - a result of Sherman Carter Barnhart's energy saving designs.

District Name:					OUTLINE SPECIFIC	ATIONS ENERGY D	ESIGN CRIT
			District Code:	Facility Name		School Code	
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New But	lding						
Addition							
Renovat	ion			(0			
Provision	s for Future	Expansio	on:				- 4
	d Alternates		(1) (2) (3)		supplemental sheet, if needed		
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					strating Cost Effective Design		
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			ed to be Net-Zero ed to be Net-Zero Re	adv			
			tures: (See List Pa		Jown List)		
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Gross W	indow / Doo	r Area (st	)				
Gross R	oof Area (sf)	-			Avg. Roof R-Value		
	Wall Type					Other:	
Roofing							
	ystem Type					Other:	
	m Lighting:	-				Other:	
	aylighting: Daylighting:	_				Other:	
	Energy Gene		72 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -			Other:	

### **School Funding**

With over 37 years experience designing schools, we understand that school funding has two equally important aspects. First, one time funds provided to assist with capital construction projects and Second, ongoing funds that are also used for the building operation and maintenance.

We know that funds allocated for operations and maintenance can also be used for teachers' salaries, and other educational needs. Our energy reduction philosophy was developed to address these two types of funding to get the most out of a district's funds. We believe every dollar that can be spent, should be spent on educational needs. To achieve this goal, a building must be not only cost effective to build, but also must be cost effective to operate.





## SHERMAN CARTER BARNHART ARCHITECTS Client REFERENCES

#### PARIS CITY SCHOOLS

Stephen McCauley, Superintendent 859.987.2160 stephen.mccauley@paris.kyschools.us

#### **BARREN COUNTY SCHOOLS**

Amy Irwin, Superintendent 270.615.3787 Amy.irwin@barren.kyschools.us

#### **MEADE COUNTY SCHOOLS**

Dr. Mark Martin, Superintendent 270.422.7500 mark.martin@meade.kyschools.us

#### **WARREN COUNTY SCHOOLS**

Mr. Chris McIntyre, CFO/Facilities 270.781.5150 chris.mcintyre@warren.kyschools.us

#### **UNION COUNTY SCHOOLS**

Amy Morris, Director of Finance 270.389.1694 amy.morris@union.kyschools.us

#### **GLASGOW INDEPENDENT SCHOOLS**

Dr. Chad Muhlenkamp, Superintendent 270.651.6757 chad.muhlenkamp@glasgow.kyschools.us

#### **JOHNSON COUNTY SCHOOLS**

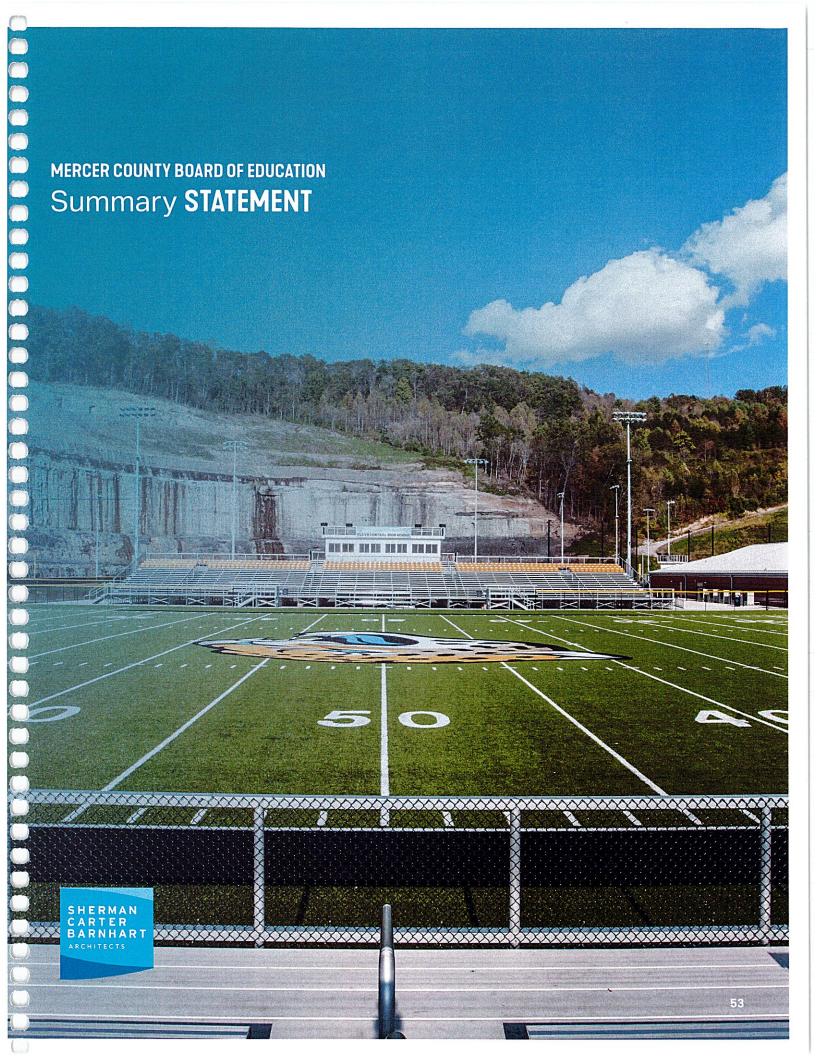
Mr. Thom Cochran, Superintendent 606.789.2530 thom.cochran@johnson.kyschools.us

Mr. Bob Hutchinson, Board Chair 606.789.7550 hutch23@foothills.net

#### **HOPKINS COUNTY SCHOOLS**

Mrs. Amy Smith, Superintendent 270.825.6000 amy.smith@hopkins.kyschools.us

Mr. Marty Cline, Asst. Superintendent 270.825.6100 marty.cline@hopkins.kyschools.us



# SHERMAN CARTER BARNHART ARCHITECTS SUMMARY STATEMENT



#### Strong Leadership

The Mercer County design team is led by Principal-in-Charge Justin McElfresh, AIA, LEED AP, and Associate Principal + Project Manager Allison Commings, AIA, LEED AP. Together, they are committed to developing a design to meet Mercer County's goals for your New High School Stadium & Tennis Courts project that aligns with your program, budget, and schedule.

Principal-in-Charge Justin McElfresh prioritizes close collaboration with Mercer County Schools and stakeholders to fully understand your objectives. His approach focuses on transforming your vision into a tailored, practical design that reflects the values and goals of both Mercer County Schools and the Mercer County athletics department.

Associate Principal + Project Manager Allison Commings ensures seamless communication between the design team and Mercer County, keeping all parties well-informed and engaged, while effectively integrating stakeholder input.

Sherman Carter Barnhart's Site Design/Development Division offers extensive knowledge and experience with athletic fields. Landscape Architect, Chad Hutchins, PLA, ASLA, LEED AP and Civil Engineer, Mike Bashikhes, PE, LEED AP have worked with KHSAA to understand what works and what doesn't. They've attended sport field seminars and offer a detailed understanding of the latest field technologies and drainage systems. Athletic fields with the proper soil mix and grades drain better, minimize field damage and create a safer surface for the athletes.

Our in-house team offers substantial experience working with school districts on similar athletic projects, including those completed for Breckinridge County, Spencer County, Warren County, Meade County, Paris City Schools, Glasgow Independent, and Boyd County Schools.

#### **Proven Processes For Project Success**

To fully understand and achieve your project goals, we prioritize a collaborative, interactive process with Mercer County stakeholders. By actively listening to your needs, we build a clear and comprehensive vision for your New High School Stadium & Tennis Courts project.

#### Communication Throughout The Project Is Essential

We emphasize proactive and transparent communication through the web-based tool eComm, which keeps all stakeholders updated and enables efficient access to project details, allowing for timely responses to inquiries.

#### Comprehensive Design Approach

The design of athletic fields and facilities demands careful planning to support a range of sports and events while meeting the needs of students, staff, and the community.

Justin and Allison will work closely with Mercer County to develop a design that considers:

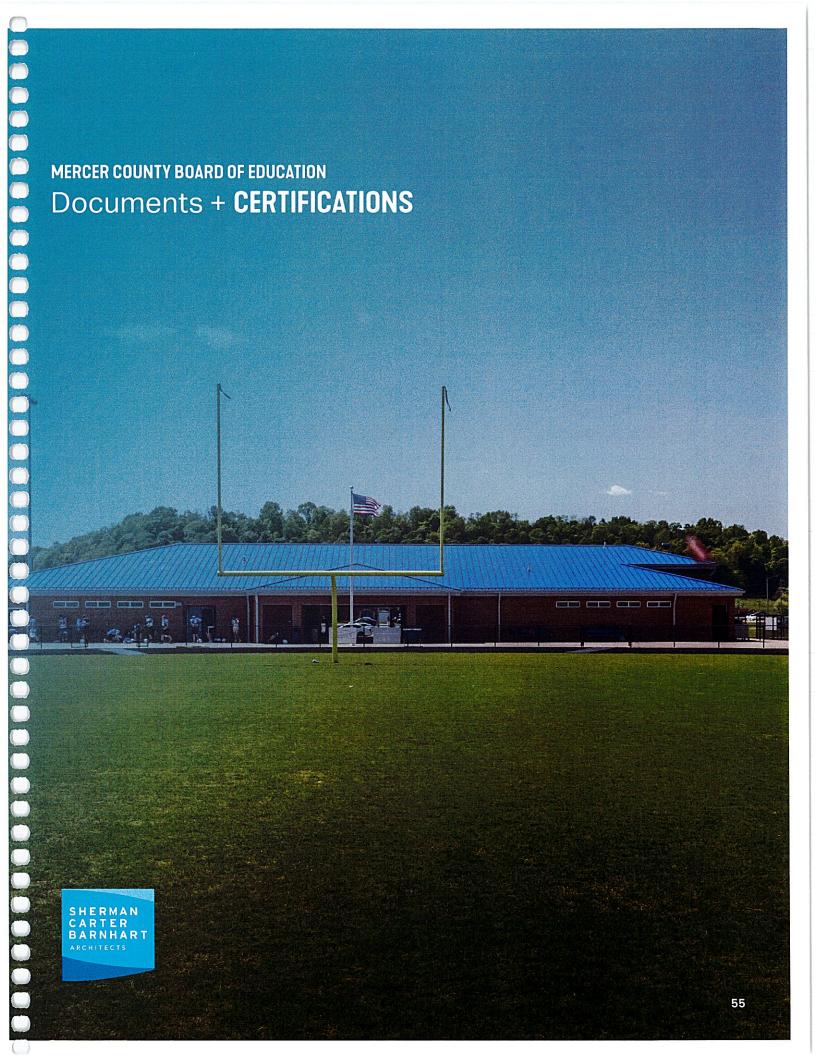
- · Functionality and Flexibility
- Flow and Efficiency
- · Health & Safety
- · Location and Accessibility
- Player and Spectator Safety
- Spectator Experience
- · Technology Integration
- Cost Saving Designs
- Future Expansion
- · Budget Management

#### Football Stadiums

Our team offers the knowledge, and experience to work with Mercer County to bring your dreams and goals to fruition for your New High School Football Stadium and Tennis Courts. Our in-house site design professionals have designed numerous athletic fields including, synthetic and natural turf football/soccer fields for both competition and practice as well as athletic courts. We understand how these events are conducted and how facilities operate for participants, officials, spectators and maintenance crews. This understanding translates into designs that meet the highest level of standards possible. We know the importance of stormwater drainage and how it can adversely affect both the field/court as well as the facility as a whole. Having a field/court that properly drains leads to more consistent, stable and safer playing conditions.

#### Stewardship

We are committed stewards of your budget, aiming to maximize its impact for the community. We evaluate both first costs and the lifecycle of materials, selecting options that are cost-effective to maintain. By producing detailed, high-quality documents from the outset, we ensure accurate cost estimates, keep projects within budget, and minimize change orders.





# SHERMAN CARTER BARNHART ARCHITECTS Documents Used + CERTIFICATIONS

#### **DOCUMENTS UTILIZED**

Sherman Carter Barnhart is very familiar with all documents listed below and will agree to utilize all that are applicable.

#### Letter of Agreement

- A. AIA Document B101-2007, Standard Form of Agreement Between Owner and Architect – KDE Version; or
- B. AIA Document B132-2009, Standard Form of Agreement Between Owner and Architect, Construction Manager as Adviser Edition – KDE Version
- C. KDE Architect / Engineer Fee Guidelines for Basic Services
- D. KDE Non-Collusion Affidavit

### **CERTIFICATION OF INFORMATION PROVIDED**

The information provided herein is accurate to the best of my knowledge and may be accepted by the recipient as a true representation of:

Firm Name: <u>Sherman Carter Barnhart Architects</u>

Signed: \_

Principal-in-Charge: Justin McElfresh, AIA, LEED AP

Date: April 4, 2025



Justin McElfresh, AIA, LEED AP Principal 859.224.1351 jmcelfresh@scbarchitects.com Allison Commings, AIA, LEED AP, KYCID

Associate Principal

859.224.1351

acommings@scbarchitects.com

### EXCEPTIONAL DESIGN CHANGES LIVES.