

Board of Education
February 7, 2022 5:30 PM
Central Services Board Room

BOARD MEMBERS:

1. Call to Order - Mr. Jim Inman
2. Moment of Silence/Pledge of Allegiance - Mr. Jim InmanJim Inman led moment of silence.
3. *ESSER 2.0 Engineering/ Architectural Services Recommendation
4. *ESSER 3.0 Budget
5. *Non-Certified Salary Study Discussion and Budget Amendment
6. *Director of Schools Search Process
7. Other Discussion
8. Adjournment
9. (*) Indicates Board Approval Required



CUMBERLAND COUNTY SCHOOLS – ARCHITECTURAL AND ENGINEERING SERVICES

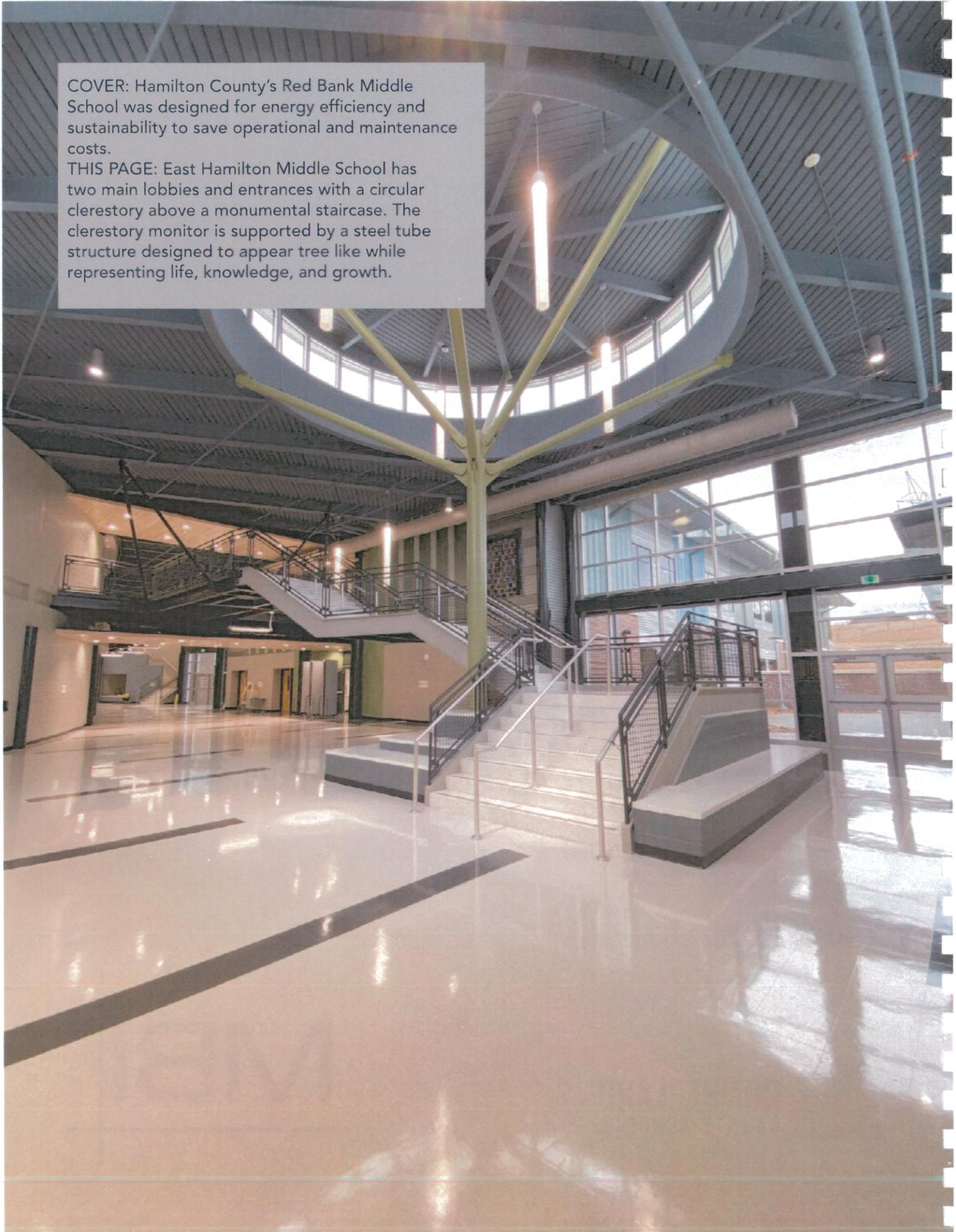
REQUEST FOR QUALIFICATIONS

JANUARY 18, 2022



COVER: Hamilton County's Red Bank Middle School was designed for energy efficiency and sustainability to save operational and maintenance costs.

THIS PAGE: East Hamilton Middle School has two main lobbies and entrances with a circular clerestory above a monumental staircase. The clerestory monitor is supported by a steel tube structure designed to appear tree like while representing life, knowledge, and growth.



MBI

January 18, 2022

Mr. B. Nathan Brock
Finance Director
Cumberland County Finance Department
2 North Main Street, Ste. 303
Crossville, TN 38555

Re: RFQ for Architectural & Engineering Design Services – Cumberland County Schools

Dear Mr. Brock & Members of the Selection Committee:

MBI Companies Inc. is pleased to respond to your request for qualifications for professional architectural and engineering design services. **For more than 31 years**, MBI has built relationships **throughout East Tennessee** that have resulted in hundreds of projects constructed in our community. We have assembled a highly qualified team of architects and engineers to provide innovative design and construction approaches, such as Building Information Modeling and Virtual Reality, to meet the needs of the Cumberland County community. MBI will be providing architectural, interiors, civil, structural, mechanical, plumbing, fire protection and electrical design services, as well as any land surveying requests.

The MBI team has experience on over **100 schools specific to K-12 education throughout the region** with continuous working relationships with school systems that last many years. Our team has worked together on numerous projects covering a wide variety of scopes of work over the years and has established an outstanding working relationship through all professional disciplines. The following information outlines our experience and qualifications to perform the work involved with your projects and presents the MBI team as the most qualified designer to make this project a success. We look forward to working with you on this exciting opportunity.

Sincerely,
MBI COMPANIES INC.



William B. Steverson, AIA
President
bills@mbicompanies.com

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MBI Core Values

Do what You
say You are
going to do

Integrity
Matters

Innovative
Technology

Effective
Communication

Planning is
Essential

Put Yourself
in the Client's
Shoes

It's about
Relationships

Quality



At MBI Companies Inc. (MBI), our **core purpose is relationships**. Our clients can count on us to keep our promises and to meet their deadlines. MBI focuses on **listening** to what matters most to our clients.

MBI Companies Inc. (MBI)
 299 North Weisgarber Road
 Knoxville, TN 37919

Since our founding in 1990, MBI has been committed to being the top architectural, engineering, and interiors firm in the markets we serve. We do this by hiring the most talented and **highest integrity people**, by being the leader in technological innovations and expertise, by being attentive listeners and problem-solvers for our valued clients, and by creating and executing some of the best-designed projects in our region.

Our staff of over 85 professionals maintains licensing in all 50 states, with offices in Knoxville and Chattanooga. MBI has LEED Accredited Professionals on staff with diverse project experience and is an Energy Star Partner design firm. We are able to save our clients both time and money by streamlining the design process and utilizing advanced technologies such as Revit 3D BIM software, allowing clients to actively participate in the design process.

WHY CHOOSE THE MBI TEAM?
Expertise...Experience.

“We have found MBI to be very receptive to all of our ideas, initiatives and directions in how we would like to see this school developed. One of our biggest compliments is that fact that MBI is very accessible to all of our needs and work to see that all of our ideas get incorporated into our new school.”
 – Brian Bell, Former Facilities Supervisor, Blount County Schools

MBI has an extended history with successful projects based on continual communication. As focused specialists, our design team’s strength lies in our expertise. For more than 30 years, MBI has had a dedicated team focused solely and specifically on education design. Our team has designed and renovated **more than a million square feet of new and renovated education space** including classroom, playground, laboratories, office/support, library, media center, etc. Expertise, however, is more than a simply completing a number of education projects; it is a focus; we have the specific design experience working with education entities. The expertise we offer stems from lessons learned on

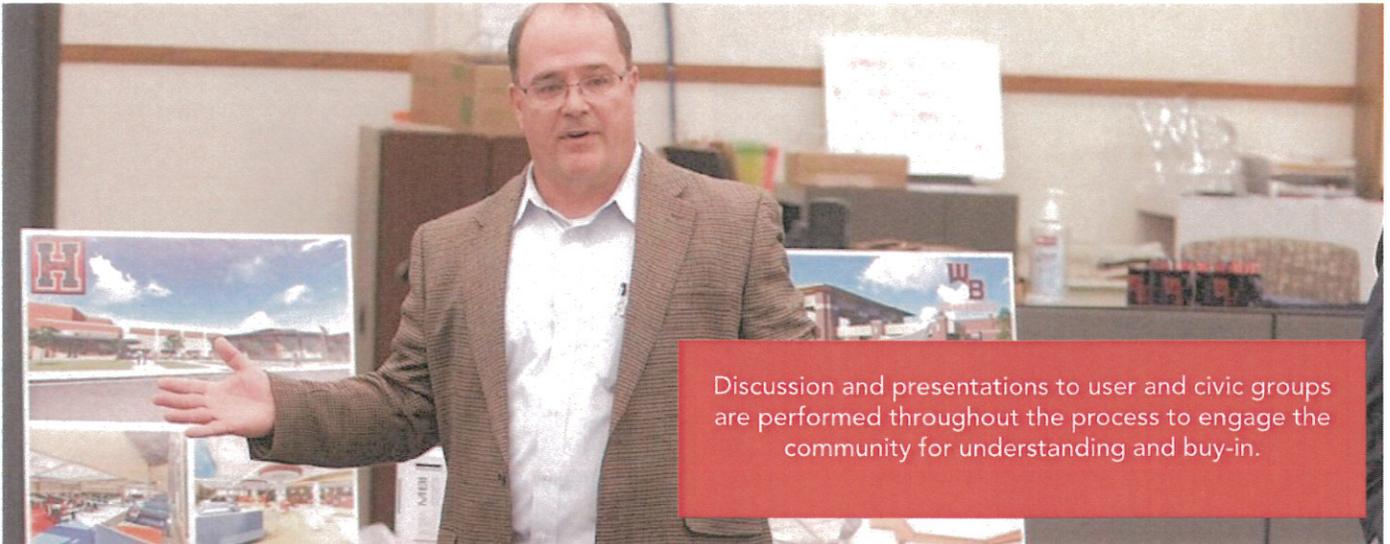


each and every project we completed. To bring you the highest quality service, we will dedicate a principal, project manager, and support team with the experience and knowledge to execute the project efficiently and effectively.

Renovated education projects are not without complexity and high levels of coordination involving design and development of both building and site programming and circulation. MBI has completed many substantial regional projects pertaining to different types of learning space formats for school projects including traditional and modern classrooms,

"Of all the architects that I know, I would recommend MBI above all others for architectural work in any school system."
– Dr. Pattie Neill, Superintendent
Trussville City Schools





Discussion and presentations to user and civic groups are performed throughout the process to engage the community for understanding and buy-in.

“Rhea County High School is a beautiful work of art in the functionality and academics of where we came from.”
– Jessie Messimer, Director of Schools, Rhea County Schools

dining, recreation, building system assessments and renovations, arts and more, as well as science labs, outdoor learning and recreations including playgrounds.

TEAM WORK

MBI has an extended history with successful projects based on continual communication discussing all aspects of the project. Conversations involving current site conditions, site layout, building orientation, traffic patterns in and around the school, layout of the school, spatial relationships, security, mechanical systems, electrical systems, energy efficiency, constructability, building materials, and budget are integral to the project’s success.

3D Building Information Modeling (BIM)

technology is our basic standard of care and will be used extensively among team members and all disciplines from design through construction of the project. BIM is more than software or technology, but rather a **continual** process of collaboration from project conception to project completion, involving all disciplines of construction. Not only will it provide greater **visualization of the design**, but aids in coordination among disciplines which **resolves issues and clashes** that routinely take place on site, as well as decrease the amount of RFI’s and field generated change orders, resulting in savings to Cumberland County.





Howard Waltz, AIA, NCARB

Project Manager, Architect | MBI
 Howard is a Senior Project Manager for MBI offering **30 years of experience**, most of which is with educational projects. He has a broad understanding of the public design / construction industry with specific experience in managing architectural and engineering teams, facilitating the design development process, estimating, developing and maintaining budgets, supervising construction. His past projects frequently involved additions and renovations to educational buildings that were occupied during construction.



Bill Steverson, AIA

President | MBI
 Bill, as President, helps facilitate communication between the design team and Cumberland County. He will develop and track the project's schedule and budget performance. **With over 30 years of experience**, his focus is on creating outstanding active learning environments that combine flexible teaching and research spaces. Using this knowledge **he develops building programs that support the complexity of the whole system while improving quality, safety, and efficiency.**

YEARS WITH MBI 4	EDUCATION Master of Architecture, SUNY of Buffalo
LICENSING Registered Architect: Tennessee	PROFESSIONAL CREDENTIALS AIA

YEARS WITH MBI 29	EDUCATION BS in Architectural Studies, University of Illinois
LICENSING Registered Architect: Tennessee	PROFESSIONAL CREDENTIALS AIA

SELECTED PROJECT EXPERIENCE

- East Tennessee State University Architectural Consultant Contract, Johnson City**
- Completed more than 25 A/E projects for the University.
- Arlington Central School District, Poughkeepsie, NY***
- Design & construction of eight Buildings, two auditoriums, and high school additions at \$59M.
- Washington County Schools, Abingdon, VA***
- Design & construction of multiple renovations, additions, and new construction throughout the district.
- Friendship Central School District, Friendship, NY***
- Design & construction of multiple renovations, additions, and new construction throughout the district.

SELECTED PROJECT EXPERIENCE

- Blount County Schools, Maryville**
- William Blount High School Facilities Assessment & Science Lab Renovations
 - Heritage High School Facilities Assessment & Science Wing Renovations
 - Prospect Elementary
- Anderson County Schools, Anderson County**
- New Fairview Elementary School
 - Renovations to Anderson County High School
- Rhea County Schools, Rhea County**
- New Rhea County High School
 - Middle School & CTE Renovation
- Polk County Schools, Polk County**
- System-wide Facilities Assessment
 - Preliminary Middle School & Elementary School Design



Erin Harlow, AIA, NCARB

Vice President of Architecture | MBI

Erin, as Vice President, manages the overall project teams to coordinate MBI's efforts. She will assure the lines of communication are open between all parties involved. She will be responsible for the design and production of deliverables. Through her **14 years of experience** with education facilities, Erin has an understanding of how all elements of the business community (local government, economic development, commercial, etc.) interact.

YEARS WITH MBI

11

EDUCATION

Bachelor of Architecture,
University of Tennessee

LICENSING

Registered Architect:
Tennessee

PROFESSIONAL CREDENTIALS

AIA, NAWIC, SCHAS

SELECTED PROJECT EXPERIENCE

Rhea County Schools, Polk County

- New High School
- Middle School Renovation
- Special Ed Building
- Multiple Elementary Cafeteria Expansions
- Athletic Fieldhouse Building

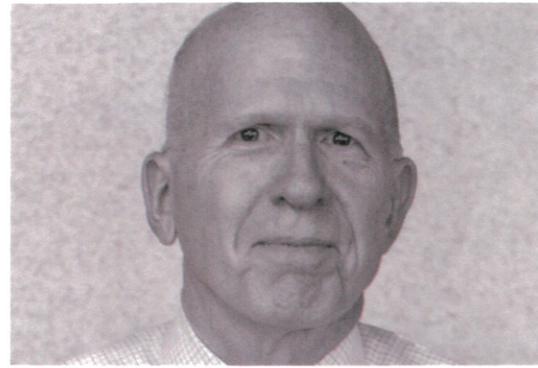
Trussville City Schools, Trussville, AL

- Magnolia Elementary School
- Cahaba Elementary School

Union College Mille Science Building Renovations, Barbourville, KY

ETSU Architectural Consultant Services, Johnson City

- Multiple Projects



Phil Whitfield, RA

Architect, Project Architect | MBI

As Project Architect with over **40 years of K-12 experience**, Phil will be a key member of the design team. He has extensive K-12 expertise having worked on multiple educational projects for the Hamilton County School District. He served as project architect for the recently completed East Hamilton Middle School in Chattanooga. With emphasis on schematics, Phil will help develop the architectural character for the projects.

YEARS WITH MBI

4

EDUCATION

Bachelor of Architecture,
University of Tennessee

LICENSING

Registered Architect:
Tennessee

PROFESSIONAL CREDENTIALS

AIA

SELECTED PROJECT EXPERIENCE

Blount County Schools, Maryville

- Heritage High School Science Wing Renovations
- William Blount High School Science Renovations

Polk County Schools, Polk County

- Design of new elementary/middle school

Hamilton County Schools, Chattanooga

- East Brainerd Elementary School
- Battle Academy
- East Hamilton Middle School
- Red Bank Middle School
- Chattanooga School for the Arts & Sciences
- Soddy Daisy High School



Chris Triko, PE

Principal, **Civil Engineer** | MBI

Joining MBI in 2018, Chris, brings more than **25 years of in-depth utility and stormwater design experience** including the planning and design of water distribution systems, wastewater collection systems, sewage pumping facilities, and water supply systems. He has developed models of water systems, pipe networks, and open channels for multiple municipalities and utility districts, TDEC, and FEMA.

YEARS WITH MBI

8

EDUCATION

BS of Civil Engineering,
University of Tennessee

LICENSING

Professional Engineer:
Tennessee

PROFESSIONAL CREDENTIALS

ASCE



John Buchanan, PE

Principal, **Mechanical Engineer** | MBI

John has **over 24 years of engineering experience** in HVAC, plumbing, and code related improvements. Technical responsibilities include heating, ventilating and air conditioning, process piping, fire protection, and plumbing. Industries served include residential, commercial, industrial, municipal, and government. John will oversee all mechanical, plumbing, and fire protection. He will work with team architects to assure cohesiveness between all disciplines is obtained throughout the design process.

YEARS WITH MBI

8

EDUCATION

BS in Mechanical
Engineering, University of
Tennessee

LICENSING

Professional Engineer:
Tennessee

PROFESSIONAL CREDENTIALS

ASHRAE

SELECTED PROJECT EXPERIENCE

East Tennessee State University Campus Water Lines Phase I & II, Johnson City

Southern Adventist University, Collegedale

- Bauxite Ridge Utilities
- Sanitary Sewer Improvements
- Bietz Center Site Development & Utilities

Plateau Utility District – Multiple Projects, Wartburg

Fresenius Medical Care Regional Distribution Warehouse, Chattanooga

SH Data Center, Knoxville

SELECTED PROJECT EXPERIENCE

Heritage High School Science Wing Renovations & Additions, Maryville

East Hamilton Middle School, Hamilton County

Southern Adventist University Bietz Center for Student Life, Collegedale

Crown College Additions & Renovations, Knoxville

Denso Manufacturing Lobby 101 Renovations, Maryville



Angie Lyon, AIA

Architect, **Project Architect** | MBI

Angie has a wealth of experience spanning **19 years in design and planning projects**, but has worked almost exclusively with K-12 design since 2008. A large portion of her experience includes work performed for schools in East Tennessee. Additionally, she has managed a number of project which focus on sustainable and green design.

YEARS WITH MBI

8

EDUCATION

BA in Architecture,
Louisiana State University

LICENSING

Registered Architect:
Tennessee

PROFESSIONAL CREDENTIALS

AIA

SELECTED PROJECT EXPERIENCE

GOAL Academy - Bradley County Schools, Bradley County

William Blount & Heritage High Schools Facilities Assessments, Maryville

McMinn County Schools Facilities Assessments, McMinn County

Polk County Schools Facilities Assessments & School Design, Polk County

Heritage High School Science Wing Renovations & Additions, Maryville



Nick Deal, PE, SE

Principal, **Structural Engineer** | MBI

Nick is a Principal and Structural Engineer for MBI. His experience includes educational, government, industrial, and commercial buildings. Project management responsibilities involve structural design, technical coordination and review of design packages involving drawings, and specifications for construction. Nick's work includes making certain that structural drawings are coordinated with other disciplines during design and construction.

YEARS WITH MBI

18

EDUCATION

BS in Civil Engineering,
Tennessee Technological
University

LICENSING

Professional Engineer:
Tennessee

PROFESSIONAL CREDENTIALS

NCEES, NCSEA, AISC,
MLSE

SELECTED PROJECT EXPERIENCE

Heritage High School Science Wing Renovations & Additions, Maryville

East Hamilton Middle School, Hamilton County

Southern Adventist University Bietz Center for Student Life, Collegedale

Crown College Additions & Renovations, Knoxville

Denso Manufacturing Lobby 101 Renovations, Maryville



Steve Walker, PE

Principal, **Electrical Engineer** | MBI

Steve has **29 years of extensive electrical engineering** experience in commercial, industrial, education, and government sectors. His responsibilities have included project management, quality control, specifications, power design, lighting design, communications, grounding, fire alarm, security systems, access control systems, and site investigations. Steve will oversee all electrical needs. He will act as the primary electrical contact with the design team and manage the design and CA phase for CA work.

YEARS WITH MBI 2	EDUCATION BS of Electrical Engineering, Tennessee Technological University
LICENSING Professional Engineer: Tennessee	PROFESSIONAL CREDENTIALS IEEE, IEEE Industrial Application Society

SELECTED PROJECT EXPERIENCE

Heritage High School Science Wing Renovations & Additions, Maryville

University of Tennessee, Knoxville (complete prior to MBI)

- West Campus Redevelopment
- Andy Holt Chiller Replacement
- Reese Hall HVAC Replacement
- Laurel, Greves & Massey Dorm Fire Alarm Upgrades
- Morrill Hall Fire Alarm & Power System Upgrade
- Clement Hall Fire Protection & Power System Upgrade



Tracy Scruggs, IIDA

Associate, **Interiro Designer** | MBI

Tracy has more than 35 years of experience working on education, healthcare, government, industrial, and commercial projects throughout the Southeast. She works as an active member through all phases of the design process. Tracy infuses her passion for environmentallyconscious design into the creation of spaces which maximize form and function.

YEARS WITH MBI

11

EDUCATION

BS in Interior Design, University of Tennessee

LICENSING

Registered Interior Designer: Tennessee

PROFESSIONAL CREDENTIALS

IIDA

SELECTED PROJECT EXPERIENCE

Heritage High School Science Wing Renovations & Additions, Maryville

East Hamilton Middle School, Hamilton County

East Tennessee State University Architectural Consultant – Multiple Projects, Johnson City

UT Medial Center – Multiple Projects, Knoxville

Denso Manufacturing Lobby 101 Renovations, Maryville



Our design solutions have five primary focuses:

1. Provide a safe environment for students and staff
2. Provide a great learning & teaching environment
3. Reduce operations & maintenance costs
4. Stay within budget
5. Allow flexibility for future changes

VISUALIZATION

With our technology and 3D software, we incorporate what we refer to as **"LIVE DESIGN"**. This is a process which provides 3D virtual modeling of the facility including the site allowing owners to participate in the design process and see design decisions in real time. This process allows for decisions to be made in minutes versus days making the design process substantially easier for our clients to visualize and understand. It also allows our team to provide options that can reduce construction, operating, and energy costs. During construction, we will provide complete construction administration and respond quickly if challenges occur. Staying in budget is of paramount importance to the entire team. Each discipline will collaborate using their software to calculate estimates of construction during design. These activities result in a **smoother building process with minimum surprises and lower costs.**

TEAM DESIGN APPROACH AND DOCUMENTATION

This project will be led by Howard Waltz. He will be primary point of contact providing **high level participation, quick and informed decision making, and accountability.** He will work closely with a team of engineers and architects that correspond to the size and schedule of the projects. He will manage the work and be responsible for coordinating all disciplines for each project.

Our design/management approach will be based on:

- Comprehensive knowledge of planning, design, and executing collaborative and active learning environment projects
- Knowledge of Cumberland County Schools building systems and maintenance philosophy
- Knowledge of the Cumberland County Schools (CCS) program standards, policies and standards
- Proven experience with budget and schedule control
- Detailed documentation and coordination using our 17 years of BIM and technology driven experience
- Regular use of a data Cloud, as well as virtual meetings
- Emphasize owner and staff priorities through collaboration with staff in workshops and LIVE DESIGN to help establish your CCS priorities
- Creation of sustainable solutions that build consensus
- Use of technology to assist in-house checklists and budget tools to ensure all information has been reviewed and documented before moving to the next design phase

UNIQUE CAPABILITIES

We understand the importance of listening and working with CCS to ensure constant communication.

- Use of technology to produce quick, accurate and multiple design options for CCS consideration early in process. Our technology commitment optimizes client visualization, document production and discipline coordination, providing better visual communication and coordination to all parties vested.
- Accurate 3D renderings/models early in design and virtual models continuing throughout.
- Experience with the use of sustainable, low maintenance materials and building systems.
- Produce clash detections between disciplines during design to substantially reduce costly change orders and help optimize construction scheduling during construction.



- Quantity material takeoffs for estimating.
- Utilize drone technologies for site work and 3D scanning for existing buildings to provide detailed measurements of the property, road system, and more. This drastically reduces the time of data collection in producing accurate surveys of a site.

DESIGN PROCESS: PROGRAM VERIFICATION & PLANNING DESIGN FOR EACH PROJECT AS REQUIRED

- Clarify roles, establish schedule, understand priorities and expectations.
- Client and team meetings to review goals and priorities.
- Meet key stakeholders, gather information.
- Faculty and student interviews; review existing spaces; identify existing conflicts.
- Develop/refine current program and develop illustrative comparison diagrams.
- Finalize program to complete conceptual design

and present concepts to key stakeholders and gather input.

- Prepare budget to match program.
- Develop site planning concepts addressing the approved program elements.
- Conceive site planning concepts with building design concepts to create strong connectivity between indoor and outdoor spaces.
- Consider ADA/accessibility early to ensure requirements are seamlessly integrated into the site and building design.
- Conduct owner/architect review meetings during the process and at completion of concept design phase to confirm consensus before proceeding to schematic design.

ARCHITECTURE/ENGINEERING – LIVE DESIGN

- Develop schematics for interior and exterior.
- Present options on how to provide a memorable sense of place.
- Develop solutions and present three-dimensionally.
- Provide community presentations, if desired.
- Conduct a series of vision meetings and interactive workshops with staff to create a vision that includes way finding, building enhancement signage and 3D graphics that are all part of a coordinated branding message.
- Modify individual room elements to discover best solutions.
- Respect and compliment the context of the existing campus.
- Maximize usable square footage for budget.
- Identify incoming utilities and those that cannot be disturbed.



- Energy code compliance.
- Review and document existing utilities.
- Engineer for best value, user comfort and budget verification.
- Design HVAC, electrical, structural & technology concepts in accordance with program.
- Provide structural solutions to make facility flexible and structurally efficient. Integrate user's requirements and mechanical, electrical and plumbing systems.
- Develop economical solutions and value driven design.
- Biweekly coordination and quality review.
- Present detailed computer imagery for review/ approval of systems, spaces, and finishes.
- Touch points at 25%, 50%, 75%, and 95% completion phases for detailed quality review.
- Finalize construction budgets and schedules.
- Conduct Navisworks "clash detections" at 30%, 60%, 95%, and 100%.



Continuous collaboration is done throughout the project to keep the entire team involved and focused.

COMMUNICATIONS WITH CLIENTS

With a highly knowledgeable staff, all of the individuals in project leadership roles—Principal-in-Charge, Project Manager, and Project Designer—are completely conversant with the particular challenges and requirements of K-12 facilities. The **key to working well** with the different stakeholders on a project of this type is to **understand the particular concerns of each group—to be able to address their issues**. The **administrative, education and maintenance staff** will have somewhat different but

overlapping areas of interest, and it is necessary to address them each fully and convincingly. The administrative staff will naturally be interested in **building a facility that meets their needs but will be within budget and on schedule**. The entire planning and design process keep these goals in sight at every point along the way. The educational staff will be most concerned that the new facility fully **supports their activities**—that the classroom provides all of the features and flexibility to support a variety of educational programs. **Maintenance staff will be particularly concerned with maintenance issues such as the design operation, of HVAC and electrical systems and security**.

Our experience with each of these constituent groups on a multitude of projects gives us the knowledge and confidence to **speak expertly** about all of these concerns, to provide **thoughtful alternatives** to a variety of design issues, and to illustrate our discussions with highly relevant examples from prior projects.

COLLABORATION

Our team uses a proven approach that successfully allows you to realize your objective of providing a safe, teaching environment that is efficient to operate and maintain. This approach **emphasizes owner and staff priorities** rather than those of the architect. Our team will collaborate with your staff in workshops to help establish your priorities.

Effective dialogue during workshops enables everyone involved to identify what success looks like. During each phase of design, it is critical that the design team works side-by-side in workshops with all involved user groups and departments. Expectations will be identified early, and the project scope will be clearly defined avoiding starts and stops, redesign, and out-of-sequence changes. Discussing the impacts of each decision ensures that you are fully informed, and that Cumberland County ends up with the building they need and want. We facilitate consensus building with the owner, users, and public throughout the design process. Our team has an **excellent record of bringing diverse groups to a common solution** based on an easily understood design approach while helping you lead the discussions to organize priorities for design decisions. The benefit of this process is a quickly produced, excellent design backed by consensus.



MBI takes immense pride in establishing a strong design team for every project. In addition to our long standing relationships with our clients, we appreciate and enjoy working with facility players that make it happen. It is important to note that each member of the team has years of experience renovating, restoring, rehabbing, and repurposing thousands of square feet of many different building types. Our team is Building Information Modeling (BIM) capable using the Revit platform in all disciplines and is committed to sustainable design. A comprehensive list of our portfolio includes:

- Clinton High School Net Zero Classroom
- Concord Christian School – Knoxville
- Fairview Elementary School – Anderson County
- Grand Oaks Elementary School – Anderson County
- Pace Brantley School – Longwood, Florida
- Paulette Elementary School – Union County
- Rhea County High School – Evensville
- Wartburg Middle School – Morgan County
- Anderson County High School Additions & Renovations – Anderson County
- Andersonville Elementary School Addition & Renovation – Anderson County
- Bearden Elementary School Re-roof – Knoxville
- Big Ridge Elementary School Addition & Renovation – Union County
- Campbell County High School Addition & Renovation – Jacksboro
- Carpenters Middle School HVAC Renovation – Blount County
- Claxton Elementary School Addition & Renovation – Anderson County
- Clinton Senior High School Addition & Renovation – Clinton
- Coalfield K-12 Additions & Renovations – Morgan County
- Dutch Valley Elementary School Addition – Anderson County
- Lake City Middle School Additions & Renovations – Anderson County
- Luttrell Elementary School Additions – Union County
- Norris Middle School Addition & Renovation – Anderson County
- Oakdale K-12 Renovations – Morgan County
- Petros-Joyner K-8 Renovations – Morgan County
- Rhea County Middle School Conversion – Evensville
- Sharps Chapel Elementary School Additions – Union County
- Stratford STEM Library – Florida
- Wartburg Central High School Renovations – Morgan County
- Valley View Elementary School Additions & Renovations – Campbell County
- Magnolia Elementary School – Trussville, Alabama
- Cahaba Elementary School – Trussville, Alabama
- Red Bank Middle School – Chattanooga
- Hixson Middle School – Chattanooga
- Hunter Road Middle School New Campus & Classroom Expansion – Chattanooga
- Battle Academy Elementary School – Chattanooga
- East Side Elementary School – Chattanooga
- Hixson Elementary School Expansion – Chattanooga
- Snow Hill Elementary School Classroom

ESSER FUNDED CAPITAL PROJECTS

RHEA COUNTY SCHOOLS

RHEA COUNTY, TENNESSEE



Over the last 10 years, MBI has completed multiple projects for Rhea County Schools including construction of a new high school, middle school renovations, baseball & softball dugouts, SPED building, and football stadium structural analysis to name a few. Working with ESSER funds, MBI is designing cafeteria expansions at three elementaries and gym renovation at one elementary.

- **Graysville Elementary** – 1,000 SF cafeteria expansion, 2,142 SF cafeteria renovation, and 6,300 gym renovation
- **Spring City Elementary** – 1,000 SF cafeteria expansion
- **Frazier Elementary** – 1,425 SF cafeteria expansion

Each project is currently awaiting Fire Marshal approval.

CLIENT CONTACT INFO

Rhea County Schools
Jesse Messimer, Director of Schools
(423) 775-7812
messimerj@rheacounty.org

SIZE

Varies by school

COMPLETION

Ongoing

COST

Varies by school

KEY PERSONNEL

Erin Harlow
Bill Steverson
Steve Walker
John Buchanan
Nick Deal

ESSER FUNDED CAPITAL PROJECTS

CAMPBELL COUNTY SCHOOLS

CAMPBELL COUNTY, TENNESSEE



Existing Photos

Over the last 20 years, MBI has completed multiple projects for Campbell County Schools including multiple roof replacements across the district, structural reviews and monitoring, HVAC replacements, kitchen expansion & renovation, and auditorium renovations to name a few. Working with ESSER funds, MBI recently completed multiple roof replacements at various locations throughout the district including:

- Jellico Elementary Roof Replacement, including gutters and downspouts
- Jellico High Roof Replacement, including gutters and downspouts
- Wynn-Habersham Elementary Roof Replacement, including gutters and downspouts
- Jacksboro Elementary, Jacksboro Middle, Lafollette Middle Schools Gutters and Downspouts Replacement
- Campbell County High Field House Re-roofing

MBI is currently working with the school district on a potential gym expansion at Jacksboro Elementary and classroom reconfiguration at the Campbell County Vocational School.

CLIENT CONTACT INFO

Campbell County Schools
Jennifer Fields, Director of Schools
(423) 494-2051
jennifer.fields@ccpstn.net

COST

Varies by school

KEY PERSONNEL

Howard Waltz
Nick Deal

SIZE

Varies by school

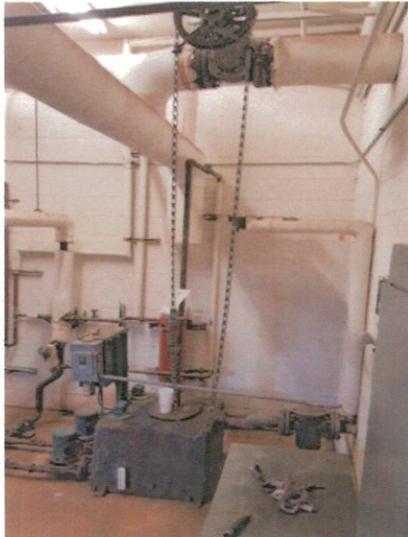
COMPLETION

Ongoing

CAPITAL PROJECT IMPROVEMENTS

BLOUNT COUNTY SCHOOLS

BLOUNT COUNTY, TENNESSEE



Existing Photos

Over the last 11 years, MBI has provided Blount County Schools with architectural and engineering design services for a multitude of projects ranging from roof replacements and facilities assessments to HVAC renovations and new school construction.

A sample of projects completed include:

- Heritage High Facilities Assessments, **HVAC Renovations, Boiler Replacement, Football Stadium Structural Analysis**, CTE Facility Renovations, Science Wing Renovations & Additions
- William Blount High Facilities Assessment, Science Lab Renovations, **Football Stadium Structural Analysis**, CTE Facility Renovations, HVAC Renovations
- Eagleton Elementary **Boiler Replacement**
- Rockford Elementary **HVAC Replacement**, Gym Evaluation, Cafe Dishwasher Renovation, Boiler Replacement
- Carpenters Middle **HVAC Replacement**
- Eagleton College and Career Academy
- Porter Elementary **HVAC Renovations**

CLIENT CONTACT INFO

Blount County Schools
Rob Britt, Director of Schools
(865) 984-1212

SIZE

Varies by school

COMPLETION

Varies by school

COST

Varies by school

KEY PERSONNEL

Bill Steverson
Nick Deal
Steve Walker
John Buchanan
Angie Lyon
Phil Whitfield

EAST BRAINERD ELEMENTARY SCHOOL RECONSTRUCTION

HAMILTON COUNTY SCHOOLS

CHATTANOOGA, TENNESSEE

“This has been the most challenging and also the most successful project that I’ve been involved with.”

– Justin Witt, Facilities Director
Hamilton County Schools



East Brainerd Elementary School received extensive storm damage from a tornado in April 2020. As architect of record, MBI worked with Hamilton County Schools and other local design firms on a facility assessment and quick reconstruction efforts. Through a major collaborative effort, the school reconstruction was completed in December 2020.



CLIENT CONTACT INFO

Hamilton County Schools
Justin Witt, Facilities Director
(423) 209-8514
witt_justin@hcde.org

SIZE

154,436 SF

COMPLETION

2020 (storm reconstruction)

COST

Approx. \$21,000,000 (reconstruction)

KEY PERSONNEL

Phil Whitfield



CAHABA ELEMENTARY SCHOOL RENOVATION & ADDITION TO LOCAL HISTORIC HIGH SCHOOL

TRUSSVILLE CITY SCHOOLS

TRUSSVILLE, ALABAMA

MBI was selected to **renovate and expand an old historic high school into a new elementary school**. The original building was constructed in the 1930s with a gymnasium added in 1960 and classroom addition in 2001. MBI renovated each area, in addition to adding 28 classrooms for Pre-K-5th grades. The overall site design was reconfigured to include a community accessible walking track and parking lot. Building features included all new door and window replacements, LED lighting, spray-foam insulation and dual-pane glazing retrofitted into entire existing 1930's building, built-in storage and natural lighting through large windows in every classroom, extensive integration of original construction features while incorporating modern technology/use patterns, metal shingles to match original appearance utilized on historic portion of building, natural stone exterior elements to match local historical monuments, light roof colors for reduced cooling loads utilized throughout project, re-constructed Portico and Cupola structures with maintenance-free materials and finishes, and multiple "flex room" classrooms for future expansion/use as needed.

CLIENT CONTACT INFO

Trussville City Schools
Dr. Pattie Neill, Director of Schools
(205) 228-3001

SIZE

63,303 SF

COMPLETION

2011

COST

\$5,684,500

KEY PERSONNEL

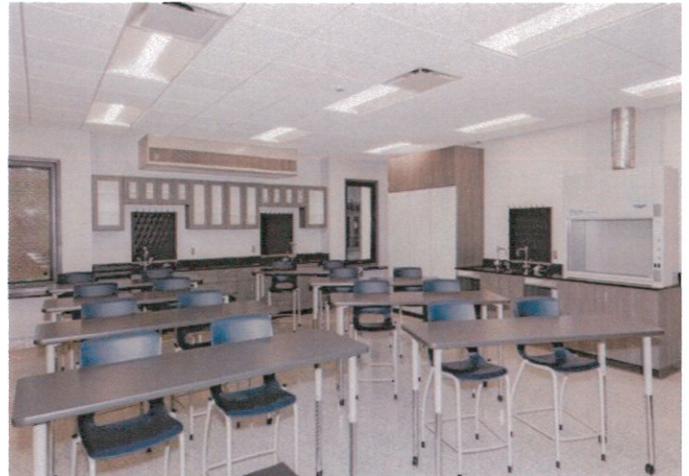
Bill Steverson
Erin Harlow
Nick Deal

HERITAGE HIGH SCHOOL SCIENCE WING RENOVATION & UPDATES

BLOUNT COUNTY SCHOOLS

MARYVILLE, TENNESSEE

“The updated science labs at HHS have given our students a great opportunity to learn and grow academically with 21st century supplies and equipment...Having a college feel the students see future opportunities they have in STEM or future career path.”
– Jed West, Principal, Heritage High School



As a result of a facility needs assessment, MBI was enlisted for full design services for the complete renovation of the Heritage High School's science wing. The classrooms, science labs, collaboration and staff spaces underwent complete demolition and were reimaged to provide the optimum learning experience for the students in addition to being functional for staff use. The hallway accents provide inspiration and spark creativity, bringing motivation and curiosity into the classrooms, and allowing for a vibrant learning environment where students can aim at exceeding potential!

CLIENT CONTACT INFO

Blount County Schools
Rob Britt, Director of Schools
(865) 984-1212

SIZE

11,628 SF

COMPLETION

2020

COST

\$1,270,000

KEY PERSONNEL

Bill Steverson
Phil Whitfield
Nick Deal
John Buchanan



The new science labs were designed to respond to the dynamic learning environment of a modern high school science program. Configurable workstations help facilitate a simple, smooth transition between lecture and lab experiment, and new laboratory equipment and innovative technologies were provided to benefit the students and teachers.





Campbell County Schools

Jeff Marlow - County Finance Director
 (423) 562-6201
 jeffm@campbellcountygov.com

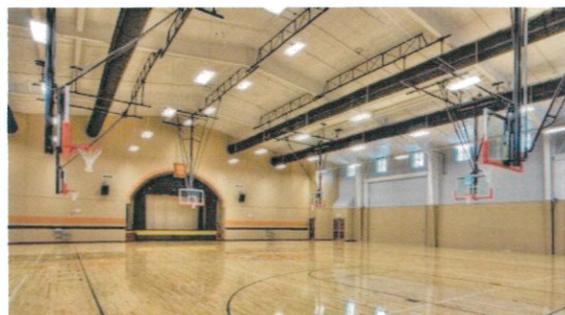
- Campbell County High School Roof Replacement, **Structural Review, HVAC Replacement**, Kitchen Expansion & Renovation, ROTC facility, ADA Assessment, **Track Resurfacing & Upgrades**, Vocational Classrooms, and Auditorium Renovation
- Jellico Elementary Football **Field Improvements & Wheelchair Lifts**
- Wynn Elementary Gym Flooring
- Caryville Elementary Addition
- Elk Valley Elementary Roof Replacement
- White Oak Elementary Sidewalk Design
- Jellico High School Guard Shed
- Jellico Alternative School
- Jacksboro Elementary Gym Expansion



Anderson County Schools

Tim Parrott - Director of Schools
 (865) 463-2800
 tparrott@acs.ac

- Anderson County High School Toilet Renovation, Press Box, Netzero Classroom, Fire Alarm Upgrades, Batting Cages, and Culinary Arts Kitchen Hood
- Clinton High School **Field House, Track Resurfacing, and Softball Fields**
- Claxton Gymnasium Relocation
- Lake City Middle School ADA Ramp
- Grand Oaks Elementary Gym Renovation
- Norris Middle School Classroom Addition
- Clinton Middle School Gym
- Clinch River Community School



Blount County Schools

Rob Britt - Director of Schools
 (865) 984-1212

- Heritage High Facilities Assessments, **HVAC Renovations, Boiler Replacement, Football Stadium Structural Analysis**, CTE Facility Renovations
- William Blount High Facilities Assessment, Science Lab Renovations, **Football Stadium Structural Analysis**, CTE Facility Renovations
- Eagleton Elementary **Boiler Replacement**
- Rockford Elementary **HVAC Replacement**, Gym Evaluation
- Carpenters Middle **HVAC Replacement**
- Eagleton College and Career Academy

MBI has also completed multiple projects ranging from new construction to small renovations with the school districts in Rhea County, Hamilton County and Trussville, Alabama. Contact information for each district has been provided in the previous project pages.

PAST PERFORMANCE IN MEETING DEADLINES



Each week MBI leadership and project managers met to review each project schedule and key dates for office coordination. This allows us to review individual task assignments and also gives the ability to adjust manpower as required to ensure compliance with key dates and project deadlines.

MBI has an established track record of meeting schedules with well-defined project and business management systems. We are an established practice with ample resources and staff to complete a project of this scope. This project will be a perfect fit for our expertise and qualifications, and works easily into our current workload, as many of our major projects are transitioning from design to construction. Our staff members identified in this proposal are ready to being work upon notice to proceed.



CUMBERLAND COUNTY, TENNESSEE

5-21-121. Conflicts of interest.

(a)

(1) The director, purchasing agent, members of the committee, members of the county legislative body, other officials of the county, members of the board of education, members of the highway commission, and employees of the finance department and purchasing department shall not have a direct interest in the purchase of supplies, materials, equipment, or contractual services for the county. As used in this subdivision (a)(1):

(A) "Controlling interest" means sufficient ownership in a business or company to control policy and management, including the ownership or control of the largest number of outstanding shares owned by any single individual in a business or company; and

(B) "Direct interest" means a contract with a person personally or with a business in which the person is the proprietor, a partner, or the person having the controlling interest in the business.

(2) Such persons shall not have an indirect interest in the purchase of supplies, materials, equipment, or contractual services for the county unless the person publicly acknowledges the interest. A person who is not a member of a governing body and who is required to publicly acknowledge an indirect interest must do so by reporting the interest to the office of the county mayor to be compiled into a list that must be maintained as a public record. As used in this subdivision (a)(2), "indirect interest" means a contract in which a person is interested, but not directly so, and includes contracts where the person is directly interested and is the sole supplier of goods or services in the county.

(b) No firm, corporation, partnership, association or individual furnishing any such supplies, materials, equipment or contractual services, shall give or offer nor shall the director or purchasing agent or any assistant or employee accept or receive directly or indirectly from any person, firm, corporation, partnership or association to whom any contract may be awarded, by rebate, gift or otherwise, any money or other things of value whatsoever, or any promise, obligation or contract for future reward or compensation.

Receipt is acknowledged and confirmation of compliance with the statute is hereby affirmed:

Company Name: MBI Companies Inc.

Authorized Representative Signature: 

Print Name & Title: William B. Steverson, President

Date: January 18, 2022

*** Current through 2017 Regular Session (Chapter 493). ***

Title 12 Public Property, Printing And Contracts
Chapter 12 Iran Divestment Act

Tenn. Code Ann. § 12-12-106 (2017)

12-12-106. List of persons engaging in investment activities in Iran -- Ineligibility to contract with state.

(a) (1) No more than one hundred twenty (120) days after July 1, 2016, the state chief procurement officer shall publish, using credible information freely available to the public, a list of persons it determines engage in investment activities in Iran, as described in § 12-12-105. The list, when completed, shall be posted on the state's web site.

(2) The chief procurement officer shall update the list every one hundred eighty (180) days, using credible, freely available, public information regarding the persons or entities described in subdivision (a)(1).

(3) Before finalizing an initial list or an updated list, as reasonably practicable, the chief procurement officer shall do all of the following before a person is included on the list:

(A) Provide ninety (90) days' written notice of the chief procurement officer's intent to include the person on the list, if the state is reasonably able to provide the written notice by electronic communication or through the U.S. postal service. The notice shall inform the person that inclusion on the list would make the person ineligible to contract with the state. The notice shall specify that the person, if it ceases its engagement in investment activities in Iran, may be removed from the list.

(B) The chief procurement officer shall provide a person with an informal opportunity to comment in writing that it is not engaged in investment activities in Iran. If the person demonstrates to the chief procurement officer that the person is not engaged in investment activities in Iran, the person shall not be included on the list. Nothing in this section requires a contested case hearing as set forth in the Uniform Administrative Procedures Act, compiled in title 4, chapter 5. A person contesting being placed on the list described in subsection (a) shall exhaust all administrative remedies provided in this section prior to the initiation of any judicial review of being placed on such list.

(4) The chief procurement officer shall make every effort to avoid erroneously including a person on the list.

(b) A person that is identified on a list created pursuant to subsection (a) as a person engaging in investment activities in Iran as described in § 12-12-105, is ineligible to contract with the state.

(c) Any contract entered into with a person that is ineligible to contract with the state shall be terminated by the state.

HISTORY: Acts 2016, ch. 817, § 1.

“By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief that each bidder is not on the list created pursuant to §12-12-106.”

Company Name:

MBI Companies Inc.

Authorized Representative Signature:



Print Name & Title:

William B. Steverson, President

Date:

January 18, 2022

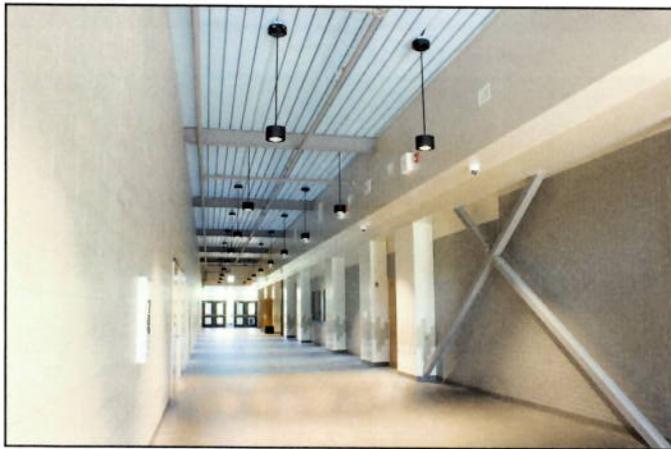
A photograph of a gymnasium with a basketball court. The court floor is blue with white lines and features a large eagle logo in the center. The word "CLINTON" is written on the floor near the key. The walls are white with a blue and orange stripe near the ceiling. A sign on the wall reads "CLINTON HAWKS". The ceiling has several recessed lights.

**We don't design in
order to have clients.
We have clients in
order to design.**

Everything we do at MBI is achieved through a **strong collaborative approach** that is founded in our **clients' expectations** and recognizes the valuable contributions every team member brings to the project.



Client: Moore County Schools | Completed 2020 | \$16 million | 110,000 SF



Key Attributes

- OLG provided full architecture and engineering design for a major renovation and expansion project
- Included new dining hall
- New energy efficient systems throughout

OLG Engineering led the overall design responsibilities for all disciplines including Civil, Structural, and Architectural for this project in addition to leading the Construction Administration efforts and was responsible for the associated MEP design services. The design effort was the culmination of a multi-year support and coordination effort with the School System followed by designing to the owners preferences and needs and a two year construction effort, maintaining and allowing the School full access throughout for daily curriculum needs. The two year project was completed on time and within budget.

Major Renovation Elements

The project included renovation of the original 1975 main building component and the 2000 middle school portion along with remodel and expansion of both. The facility was provided with a new defined front entry, secure access and control with addition of a complete facility sprinkler system and elimination of classroom egress doors, and a new performance Gym and support areas. The facility was also provided with a new dining and kitchen

January 18, 2022

Mr. Nathan Brock
Cumberland County Finance Director

RE: Qualifications for A/E Services for Board of Education
ESSER Funded Capital Projects

Dear Mr. Brock:

In response to your Request for Qualifications for Architectural/Engineering Services for ESSER Capital Projects, OLG Engineering submits the attached qualifications.

OLG is a leading provider of planning, design and construction oversight services for educational applications. We are a full-service professional services company. In addition to mechanical and electrical engineering, our services also include architecture, civil engineering, structural engineering, construction inspection, and construction management.

We bring to Cumberland County Department of Finance a team who has worked together for almost 30 years on small- and medium-sized task orders for school systems. Our engineer-led multi-disciplined team provides Cumberland County Department of Finance with unique capabilities. Our "engineer's perspective" results in cost savings, practical solutions to complex problems, and robust building systems configured for the long haul.

In addition, OLG has experience with ESSER-Funded Capital Projects. We have recent experience providing ESSER projects for MNPS, Dickson County, Coffee County, and other systems.

We affirm that we are in compliance with Tennessee Code Annotated 5-21-121 and Tennessee Code Annotated 12-12-106 (we have included signed copies).

We look forward to discussing with you our interest and qualifications to provide these services for Cumberland County!

Sincerely,



Dean Oliver, PE
Principal Mechanical Engineer

SECTION ONE

**NAME, ADDRESS &
BRIEF DESCRIPTION**

SECTION ONE - NAME, ADDRESS, & BRIEF DESCRIPTION OF THE FIRM

Name and Address

Oliver Little Gipson Engineering, Inc. (OLG)
301 Industrial Blvd.
Tullahoma TN 37388
931.454.9940
www.olgengineering.com

Brief Description of the Firm

OLG is a leading provider of planning, design and construction oversight services for educational applications. OLG brings experienced personnel in the fields of Architecture; Mechanical, Electrical, Plumbing engineering; Design/Build; Project and Construction Management. Our team has a vast array of experience with education projects from small renovations and assessments to new schools and major expansions. We look forward to providing our expertise in the design and construction of miscellaneous projects for Cumberland County Department of Finance.

Mission Statement: OLG provides our clients with innovative solutions with an emphasis on quality, integrity, costs, responsiveness, and timeliness. Our professionals are in the forefront of technologies, client-dedicated, and uphold the highest professional standards in the practice of engineering. It is our intent to become established leaders in the professional services we provide.

How We Do Business: The success of our clients, as it relates to the services, we provide to them, is the ultimate measure of our success as a company. OLG is a service-driven, problem-solving firm that partners with our clients to understand the client's needs and to provide the most cost effective and practical solutions possible. Our focus begins by acquiring a full understanding of our clients' goals and objectives and ends with completed projects that contribute in making our clients successful.

The Client Team Partnership: OLG considers our clients to be more than just the people with whom we do business; they are our valued partners. Our professionals understand that each client and every project have a unique set of needs and constraints. We make every effort to listen to our client's needs and recognize what is individually important to them. In each partnership our team works responsibly and efficiently to evaluate how to translate gathered information into a successful project solution. Our goal is to design solutions and facilitate their implementation to help our clients turn dreams into reality.



SECTION TWO

KEY PERSONNEL RESUMES



Dean Oliver, PE

Principal-in-Charge, Project Manager

Dean has over 30 years of design and construction experience and will serve as principal and Project Manager conducting in-house project coordination meetings with the engineering design team and interfacing with the project team. He will set engineering design direction for the engineering team members and ensure that engineering team members are aware of design changes or issues requiring design input. Dean will perform Quality Control reviews for the engineering team to ensure successful completion.

Dean has a multi-tiered level of experience, covering a very diverse range of projects stemming from his past experience as Special Systems Engineer at NASA's Marshall Space Flight Center in Huntsville, AL. He has extensive experience designing new construction, renovations, and additions for churches, large educational campuses, institutional facilities and industrial plants.

Key Project Experience

Dean has led several projects as principal with OLG Engineering. Most recently Dean led the construction management and design for the renovation and expansion of Franklin Farmers Co-op, which included office and showroom renovation (20,000 SF) and the addition of a 20,000-SF pre-engineered metal building. It is scheduled to be completed in November of 2016.

Dean also led the design-build expansion at Winchester Christian Academy. The project expanded the middle school and was completed in the summer of 2018. Dean is presently developing a master plan for the new WCA High School.

Education

B.S. Mechanical Engineering

Licenses

AL, AZ, AR, CA, CO, CT, DC, DE, FL, GA, IA, IL, IN, KS, KY, LA, ME, MD, MI, MN, MS, MO, NE, NH, NM, NC, OH, OR, PA, RI, SC, TN, TX, VT, VA, WA, WV, WY.

Project List

Coffee County Central High School Renovations (ESSER)

Manchester, TN, \$1 million

Winchester Christian Academy 5th thru 8th Grade Expansion

Winchester, TN \$250,000

Pelham Elementary Classroom Addition

Pelham, TN, \$650,000

ERPUD Compressed Natural Gas Fueling Station

Tullahoma, TN, \$650,000

George Dickel Warehouse "N,"

Tullahoma, TN, \$3.5 million

Jack Daniels Granary Expansion

Lynchburg, TN, \$2 million

George Dickel Warehouse "O"

Tullahoma, TN, \$3.5 million

Franklin Farmers Co-op

Decherd, TN \$3.5 million

Mt. Ararat Baptist

80,000 SF expansion, \$5M

First Baptist Guilford

75,000 SF addition, \$13M

Franklin Ave. Baptist

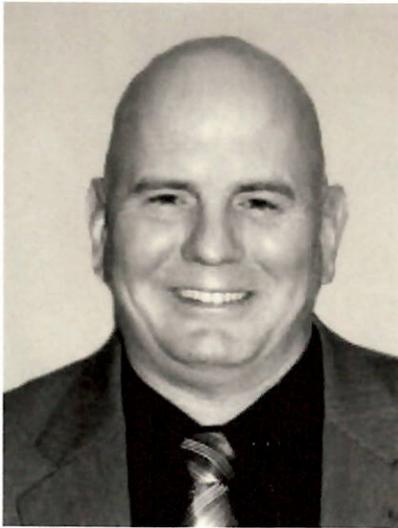
120,000 SF, \$30M

Midway Presbyterian

7500 SF addition, 17,850 renovation, \$7M

Jack Daniels New Distillery

Lynchburg, TN, \$46 million



Tim Little, PE

Lead Mechanical Engineer

Tim has over 30 years of Mechanical Engineering experience in new construction and renovation efforts. He routinely designs water supply, sanitary systems, water heating, storm, laboratory gas, medical gas, and HVAC systems for religious, governmental, commercial, industrial, institutional, educational, and medical facilities.

His responsibilities encompass HVAC load calculations, code reviews, water/waste systems calculations, piping sizing and layouts, equipment selections, and construction administration. He is experienced using Trace 700 for both HVAC load calculations and energy modeling and AutoCAD including BIM Revit. He is creative and has the ability to handle multiple projects from planning through execution. He has strong coordinating, planning and problem solving abilities and is able to work under pressure in time-sensitive, fast-paced environments. Tim's design expertise in mechanical HVAC and plumbing systems includes energy efficient VRF and geothermal systems, 4-pipe chiller/boiler, medical gases and hydronic. His design approach considers economics to support the customer's budgetary and time constraints, while maintaining compliance with applicable Code requirements.

Education

B.S. Mechanical Engineering

Licenses

AL, NC, NY, TN-10942, NV,
IA, NE, CO

Project List

Metro Nashville Public Schools HVAC Upgrades (Multiple)

Nashville, TN, +\$100 million

Hendersonville HS Addition & HVAC Renovation

Hendersonville, TN, \$9 million

Dickson County Schools (Multiple Construction, Additions, MEP Upgrades)

Dickson, TN, +\$50 million

Moore County HS Addition & Renovation

Lynchburg, TN \$15.8 million

Metro Nashville Public Schools (ESSER)

Nashville, TN, \$350 million

Macon County Schools (ESSER)

Lafayette, TN \$596,000

Tennessee Army National Guard RC HVAC Upgrades

Columbia, TN \$1.7 million

Knoxville Sutherland National Guard RC Renovation

Knoxville, TN, \$5.5 million

Tennessee Rehabilitation Center - Smyrna - Campus System Upgrades

Smyrna, TN, \$3.5 million

Franklin Ave. Baptist

New Orleans, LA \$30M

Temple Baptist Church Addition

White House, TN, \$4M



Tony Gipson, PE

Lead Electrical Engineer

Tony has over 30 years of experience in the design, operation, maintenance, and troubleshooting of electrical, instrumentation, and control systems. This experience includes the design of power distribution systems (including essential electrical distribution for medical facilities), lighting, fire alarm systems, lightning protection systems, nurse call, and intercom systems. His power distribution design experience also includes the integration of generator systems to provide either full or partial power back-up for a facility, and the design of photovoltaic systems. He also has design experience with control systems including PLCs, computer based systems, and distributed control systems. He is also proficient in performing coordination studies, calculating fault currents, and performing arc flash studies for electrical distribution systems.

Tony's designs have included educational, religious, medical, institutional, judicial, retail, industrial, and commercial facilities. His designs implement components to increase energy efficiency to reduce the facility operating cost while trying to minimize any initial cost.

Education

B.S. Electrical Engineering

Licenses

AL, AZ, AR, CO, CT, DC, DE, FL, GA, IA, IL, IN, KS, KY, LA, ME, MD, MI, MN, MS, MO, NE, NH, NM, NC, NJ, OH, OK, OR, PA, RI, SC, TN, TX, UT, VT, VA, WA, WI, WV, WY

Project List

Metro Nashville Public Schools (ESSER)

Nashville, TN, \$350 million

Macon County Schools (ESSER)

Lafayette, TN \$596,000

Moore County HS Addition & Renovation

Lynchburg, TN \$15.8 million

Jack Daniels New Distillery

Lynchburg, TN, \$46 million

ERPUD Compressed Natural Gas Fueling Station

Tullahoma, TN, \$650,000

Franklin Farmers Co-op

Decherd, TN \$3.5 million

Jack Daniels Granary Expansion

Lynchburg, TN, \$2 million

Mt. Ararat Baptist

80,000 SF expansion, \$5M

First Baptist Guilford

Columbia, MD, \$13M

Franklin Ave. Baptist

New Orleans, LA, \$28M

Midway Presbyterian

7500 SF addition, 17,850 renovation, \$7M

Knoxville Sutherland National Guard RC Renovation

Knoxville, TN, \$5.5 million



Education

B.S. Electrical Engineering

Mark Allen Friedman

Senior Electrical Engineer

Mr. Friedman has over 30 years' experience in the design, operation, maintenance, and troubleshooting of electrical power systems, building power and lighting systems. This experience also includes work with large high-voltage transformers up to 161 kV and 120MVA. Mr. Friedman also has experience in backbone data cabling, solar photovoltaic systems ranging from 20kW to 1MW, lightning protection, and fire and security systems. Mr. Friedman developed this expertise while pursuing his bachelor's degree in Electrical Engineering. Experiences that can only be gained while involved in hands on supervision of testing large Electrical Power Systems provide Mr. Friedman with an in-depth knowledge of testing and installation practices as well as a unique insight into working with multi-tiered contractor groups.

Mark's designs have included educational, religious, medical, institutional, judicial, retail, industrial, and commercial facilities. His designs implement components to increase energy efficiency to reduce the facility operating cost while trying to minimize any initial cost.

Project List

Battlecreek Elementary School

Spring Hill, TN, \$24.2 million

Battlecreek Middle School

Spring Hill, TN, \$33.5 million

Franklin Farmers Co-op

Decherd, TN \$3.5 million

Burns Middle School

Burns, TN, \$27.4 million

Metro Nashville Public Schools

(ESSER)

Nashville, TN, \$350 million

Moore County HS Addition &

Renovation

Lynchburg, TN \$15.8 million

Coffee County Central High School

(ESSER)

Manchester, TN, \$1 million

North Middle School

Decherd, TN, \$20 million

South Middle School

Cowan, TN, \$19 million

Lincoln County Jail

Fayetteville, TN, \$8 million

Jack Daniels New Distillery

Lynchburg, TN, \$46 million

Mt. Ararat Baptist

80,000 SF expansion, \$5 million

STEVEN D. BILLINGSLEY, AIA, LEED AP, *PRINCIPAL*



EDUCATION

University of Tennessee, Knoxville, TN
Bachelor of Architecture, With Honors, 1979

EMPLOYMENT

BILLINGSLEY/ARCHITECTURE, *Principal*
Chattanooga, Tennessee
1990—Present

Artech Design Group, Inc., *V.P., Project Architect*
Chattanooga, Tennessee
1986—1990

Harrison Gill and Associates, Inc., *Project Architect*
Chattanooga, Tennessee
1981—1986

Zales Corporation, *Store Planning*
Dallas, Texas
1979—1981

PROFESSIONAL MEMBERSHIPS

American Institute of Architects (AIA)
U.S. Green Building Council (USGBC)
Leadership in Energy and Environmental Design (LEED AP)
National Council of Architectural Registration Board (NCARB)
National Trust for Historic Preservation

LICENSURE

BILLINGSLEY/ARCHITECTURE is licensed to practice in the following states:
AL, AR, FL, GA, IL, IN, KY, LA, MD, MO, MS, NC, OH, PA, SC, TN, TX, VA.
Additionally, BILLINGSLEY/ARCHITECTURE may practice in most other states through reciprocity.

KELLEY HUTCHINGS, AIA, ARCHITECT



Education

Clemson University, Clemson, SC
Master of Architecture, 2003
Clemson University, Clemson, SC
Bachelor of Arts, Design, 2001

Representative Projects

Dressler Automation, *New Construction*

New office structure including office area, conference rooms, break room, restroom facilities and outdoor spaces. *Chattanooga, TN*

Fort Oglethorpe Recreation Center, *Renovation & Addition*

Conversion of an existing manufacturing facility to house basketball and other sports facilities, addition of offices, concessions, and restroom facilities.
Fort Oglethorpe, GA

Chattanooga Zoo at Warner Park, *Remodel & New Construction*

Giraffe Barn and Giraffe Exhibit Yard for both housing and viewing of new giraffe arrivals at the zoo. *Chattanooga, TN*

Galen Medical Administration Building, *Renovation*

Professional Memberships

American Institute of Architects (AIA)

Licensure

South Carolina, Tennessee

DAN WOOD, ASSOCIATE AIA, PROJECT MANAGER/DESIGNER



Education

University of Tennessee, Knoxville, TN
Master of Science, Civil Engineering, 1986
University of Tennessee, Knoxville, TN
Bachelor of Architecture, with Honors, 1985

Representative Projects

Chattanooga Zoo at Warner Park, *Remodel & New Construction*

Giraffe Barn and Giraffe Exhibit Yard for both housing and viewing of new giraffe arrivals at the zoo. *Chattanooga, TN*

Miller's Ale House, *Remodel*

Remodel of interior and exterior of three existing restaurants to conform to corporate standards. Includes dining rooms, kitchen, restrooms, and exteriors.
Chattanooga, Murfreesboro, and Franklin, TN

Mueller Plant, *Remodel*

Phase One to refurbish/remodel portions of a manufacturing facility. This phase includes ADA compliance/update of restrooms, remodel of locker rooms and breakroom.
Chattanooga, TN

Professional Memberships

American Institute of Architects (AIA), Associate

ABILITIES & QUALIFICATIONS

SECTION THREE

SECTION THREE - ABILITIES & QUALIFICATIONS

OLG provides highly respected, comprehensive architecture and engineering, with a portfolio that showcases our extensive work on education projects for school systems throughout the Southeast region. Clients include Metro Nashville Public Schools, Coffee County Schools, Dickson County Schools, and many others. In addition to our education work, OLG provides services the US Army, NASA, USAF, and many commercial and industrial projects, including Jack Daniel's, Bulleit and the George Dickel Distilleries. The company has successfully executed a variety of complex projects in over 40 states.

We address your evaluation criteria below:

Specialized Experience, Qualifications and Technical Competence of the Firm, Its Principals, Project Manager, and Key Staff

We bring to Cumberland County Department of Finance a team who has worked together for almost 30 years on small- and medium-sized task orders for school systems. Our engineer-led multi-disciplined team provides Cumberland County Department of Finance with full capabilities with one phone call. We have many examples of multi-disciplined projects that we were the prime designer and other services (architecture, civil and structural engineering, etc.) were subcontracted under us. Our "engineer's perspective" results in cost savings, practical solutions to complex problems, and robust building systems configured for the long haul.

In addition, OLG has experience with ESSER-Funded Capital Projects. We have recent experience providing ESSER projects for MNPS, Dickson County, and Coffee County.

See Section 2 for resumes of our Project Manager and key staff.

Approach to Projects of the Type Described in the RFQ

Cumberland County Department of Finance will have access to an experienced team of engineers and architects who understand the nature of these projects and who will therefore accomplish them quickly, with minimal disruption to school and administrative activities, and within budget. By being in tune with the fact that the purpose of these small projects is to fix small or urgent issues, we will not be looking for ways to expand the scope ("scope creep") or grow the fee. OLG will work as an extension of your staff to accomplish your small and urgent tasks.

The various projects for Cumberland County will be completed on time and within budget by OLG. We are confident in achieving these outcomes based on our previous experience on ESSER and educational projects as well as our approach to successful small-project completion. This approach is based on dedicated project staffing and long-term successful relationships among our multi-disciplined A/E team.

OLG proposes to lead the design team in partnership with Billingsley Architecture and BACE Structural Engineers. Our general approach to the proposed scope of projects follows these steps:

- 1) meeting with Cumberland County to identify program requirements and goals,
- 2) completing necessary ESSER documentation at each step along the way to comply with federal requirements,
- 3) documenting and analyzing the existing building and utility infrastructure,
- 4) guiding the design process with periodic meetings and visualization presentations,
- 5) generating construction documents,
- 6) assisting with bidding and negotiating, and
- 7) providing construction administration to create a cohesive building project that serves Cumberland County's needs for the next several decades.

SECTION THREE - ABILITIES & QUALIFICATIONS

Our team of professionals have worked together consistently for nearly 30 years and we have a track record of sensitivity to the needs of institutional building ownership and sustainable design to assist you on these projects. Building new schools and upgrading existing facilities, teaching environments, and learning opportunities for its students is a major undertaking for Cumberland County. OLG understands the gravity of this ambition. While the school facilities themselves are just part of the equation, we understand the costs of long-term institutional facilities operation.

Our team has a long track record of providing sustainable and maintainable designs for K-12 schools. Systems and utility operating costs drive the long-term facility budgets supported by Cumberland County. We design with a priority on maximizing the use of our building designs over decades through the use of low-maintenance systems and durable material selections. We also offer flexibility with regard to project delivery systems from the traditional design-bid-build method to the design-build process with the Contractor on board at the outset of the project.

We bring these specializations to Cumberland County's ESSER projects:

Integration of Technology. The integration of technology has greatly enhanced the ability for both students and staff to access information and is now critical to the teaching environment. OLG excels in integrating these systems into the building infrastructure and planning for growth of these systems through early collaboration and planning with Cumberland County's technology vendors as early as the programming phase of the project. Creating safe and secure environments that engage the individual student and stimulate the mind is a critical first step toward inspiring students to embrace the educational opportunities provided by Cumberland County. It is our goal to design educational environments that act as the backdrop to foster the moments that students will carry forward, defining ambitions, aspirations, and evolving character.

Low Maintenance, Low Operational Costs. Designing facilities that function with low-maintenance low-operational-cost systems is paramount to preserving Cumberland County funding for use in Staffing, Teaching Tools and Student Education. Our benefit to Cumberland County resides in understanding the needs of the K-12 School system, using a common sense approach to maximizing the value of front-end expenditures and designing low-maintenance facilities with flexibility in our building infrastructure to minimize future building adaptation cost to accommodate the ever improving educational environments Cumberland County continues to offer.

Staying in the Budget. All design is useless if it cannot be executed or be built within the established project budget. Communication is a key component in design and construction of our projects. It is the single most critical item to the execution of our designs. From the programming phase with Cumberland County to the construction of the building with the Contractor, OLG's experience in coordinating multi-discipline projects and precision in our clarity of communication consistently culminates in successful projects. Function, aesthetic, budget, constructibility and sustainability must all be weighed throughout the process to ensure success.

Capacity and Capability to Perform the Work

OLG has more than 25 employees located in our Tullahoma and Nashville offices. Our current workload and staff allocation processes allow us to provide priority services to Cumberland County. In addition, our team includes the services and additional capacity of Billingsley Architecture and BACE Structural.

Past Performance Record

See Sections 4 and 5 for examples of our project experience as well as references. We welcome Cumberland County's inquiries as to our past performance record.

Familiarity with local permitting and the project's environmental / local conditions:

OLG has not yet completed any design projects with Cumberland County Schools; however, we have looked at options for support of the Maintenance Department at various times. OLG has also been a partnering member with other entities on projects within Crossville and Cumberland County for commercial, religious, and other efforts throughout the years. With the Educational Occupancy consideration for school work as being considered, these projects would typically fall under the Tennessee State Fire Marshall's Office (SFMO) and their authority as the primary with local coordination and review. OLG has successfully submitted and received approval on over 200 projects through the SFMO's office, most being Educational for support of schools, but others include Institutional, State of Tennessee and Tennessee Board of Regents Projects. We routinely coordinate with the SFMO in preliminary stages of projects to assure the most direct approach with project considerations. Additionally, OLG parallel-coordinates any particular projects with the local authorities whether City or County level to assure their concerns and requirements are met also. Selected projects we have completed in Cumberland County include:

- Chess Federation
- Cumberland County Archives (HVAC)
- Hospital Floor Remodel
- Various Retail/Commercial projects



SECTIONS FOUR & FIVE

**PROJECT EXPERIENCE &
REFERENCES**

ESSER Experience

OLG has provided design and construction documents for multiple projects funded through the ESSER program. These projects have been through Metro Nashville Public Schools, Macon County Schools, Warren County, and Coffee County Schools. We have also been in discussions with other Systems for possible project elements and associated needs. Projects included with the ESSER efforts have primarily been HVAC upgrades to address Indoor Air Quality, but others have been provided for addressing overcrowding and educational space accommodations.

Example projects include complete HVAC system replacements with Dedicated Outside Air Systems (DOAS), classroom level HVAC systems, incorporation of Energy Recovery Ventilation both at classroom and DOAS level, boiler and chiller replacements and similar work. All of the HVAC and mechanical elements included the associated Electrical design components also. Where existing HVAC systems are re-purposed, Ventilation Air quantities have been addressed to provide proper Code ventilation levels for the affected areas, equipment services and refurbished and similar work. Project sizes for the ESSER efforts have typically ranged from \$100,000 where smaller schools or elements may have been included up to \$1.5M-\$2M, but are not limited size, but directed to the particular facility or School System and their particular needs.

With these ESSER Projects, approximately 15 have been bid with their respective Davis Bacon Wage Rate requirements and are under contract at Metro Nashville Public Schools, seven projects in Macon County, plus another three in Warren County. All designs have been reviewed and/or coordinated for Tennessee State Fire Marshall's Office as required for the determined scope.

References

ESSER

Zach Moore - MNPS
1417 Murfreesboro Pike
Nashville, TN 37217
(615) 922-3020

Jonathon Eads – MNPS
P.O. Box 196300
Nashville, TN 37219
(615) 922-3020

Randy Robinson – Macon Co.
401 Meador Drive
Lafayette, TN 37803
(615) 666-4970

Other References

Gerald Clifton – Dickson County
113A Sylvis Road
Dickson, TN 37055
(615) 740-5934 Ext. 22399

Jeff Bryant – Fayetteville City Schools
110 A South Elk Street
Fayetteville, TN 37334
(931) 433-5542

Jason Ray – Tullahoma City Schools
510 South Jackson Street
Tullahoma, TN 37388
(931) 454-2600



Andrew Jackson Elementary is one of approximately 15 ESSER funded HVAC Upgrades for Metro Nashville Public Schools

This project included the replacement of 34 water source heat pumps with new high efficiency units. Three packaged rooftop units were also replaced, and two of the packaged unit systems were converted from VVT to true VAV for improved energy efficiency and classroom temperature control.

Nine new dedicated outdoor air systems with exhaust energy recovery were added to provide required ventilation to all occupied spaces more efficiently. The existing condenser water pump was replaced with new redundant pumps.

The existing building control system was expanded to schedule, operate, and monitor all replacement and new equipment.



Client: Metro Nashville Schools | Various stages of completion

Example MNPS MEP Maintenance

- Whites Creek High School HVAC Renovations
- Glenciff Elementary School HVAC Renovations
- Charlotte Park Elementary School HVAC POD Renovations
- Eakin Elementary Boiler Replacement
- Two Rivers Middle School Electrical Upgrades
- Cane Ridge High School
- Cockrill Elementary School Fire Alarm Upgrades
- Alex Green Elementary School HVAC
- Hunters Lane High School Plumbing Upgrades

In addition to our current maintenance projects, Metro Nashville has renewed a 5 year contract with OLG Engineering with an emphasis on using ESSER funding to upgrade or replace existing systems. By making a few changes, these systems will work more efficiently to maintain health in indoor learning systems.



Coffee County

CENTRAL HIGH SCHOOL

Scope of Work

OLG provided provided design and construction support services for the creation of six new classrooms and upgrading eight restrooms to meet ADA standards. This \$1 million project is being funded by the Federal ESSER Program. The renovation effort is to be completed the summer of 2022.



Lafayette Elementary School



Macon Co. High School & Macon Co. Jr. High School



Red Boiling Springs School



Macon County School District | Project to begin Summer 2022 | \$596,000



HVAC Upgrades

- Fairlane Elementary School
- Central Elementary School
- Westside Elementary School
- Red Boiling Springs School
- Lafayette Elementary School
- Macon County Jr. High School
- Macon County High School

SECTION SIX

**ADDITIONAL PROJECT
EXPERIENCE AND
SIGNED AFFIRMATIONS**



Client: Tennessee Board of Regents | \$8.5 million | Completed 2020 | 37,000 SF

Key Attributes

- 37,000 square feet of technology training space
- OLG provided A&E services as well as Construction Administration
- OLG assisted with the successful application for \$2 million in additional funding for an additional 5,000 square feet of space

OLG Engineering provided complete architectural and engineering services for a new applied technology educational facility. OLG led the overall design and was responsible for all disciplines, including Architecture and Civil, Structural, and MEP engineering. OLG also led the Construction Administration portion of the project.

Funding

The new facility was grant-funded through the Tennessee Economic and Community Development Agency and the US Economic Development Agency (USEDA). After the project design and bidding was underway, OLG assisted with the successful application for an additional \$2 million grant from the USED A, allowing for a 5,000-square-foot addition to the overall project.

Architectural Services

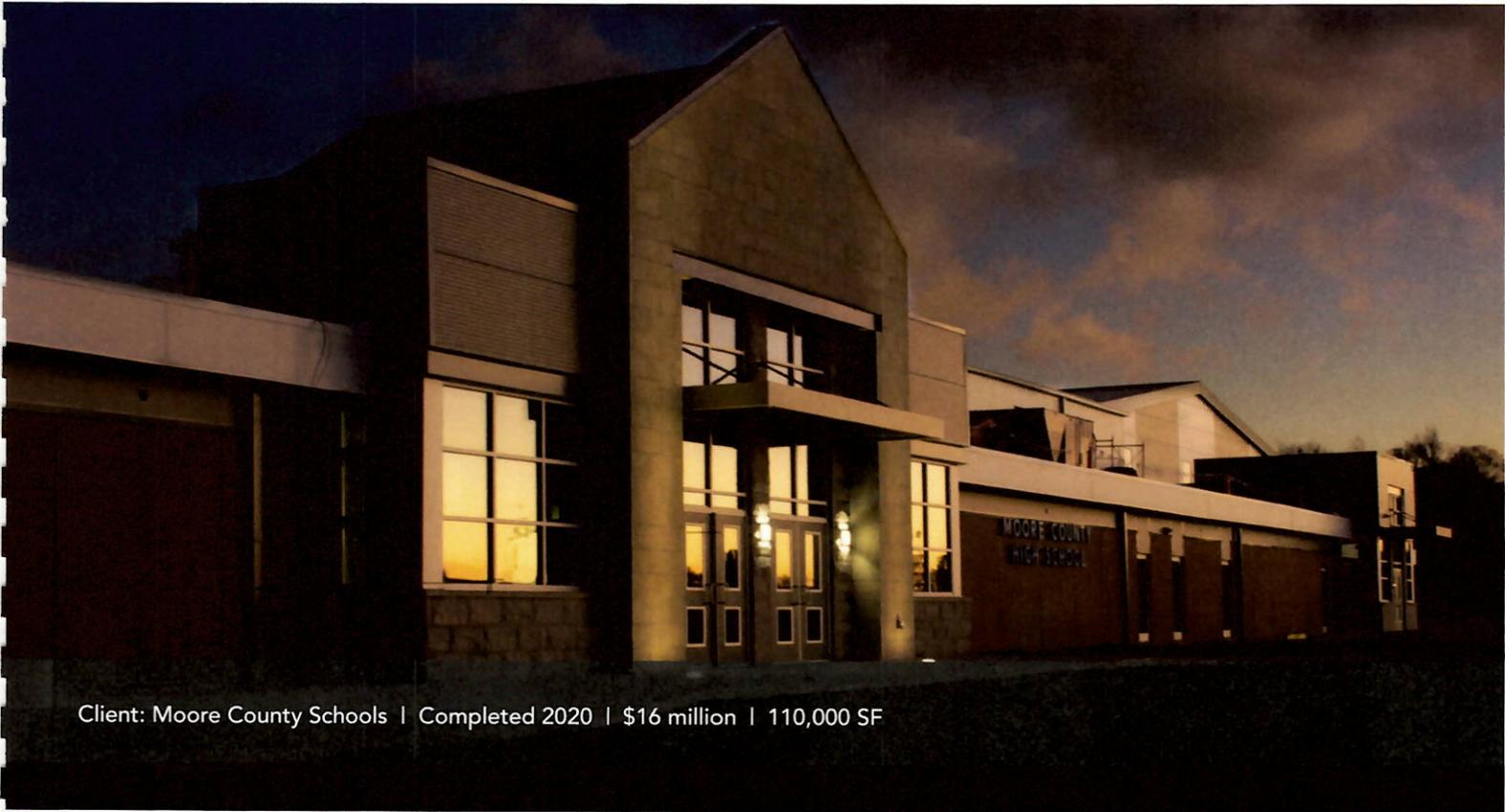
The facility provides 36,000 square feet of space for technical training in aviation technology, industrial technology, nursing, information technology, and many more. OLG was responsible for architectural programming through design documents.

Mechanical and Electrical Systems

HVAC for the building was provided with dedicated high efficiency conventional rooftop units for each program space along with the central administrative spaces. The facility included central power distribution and bus duct considerations throughout the Lab spaces to allow versatility and flexibility in training and lecture program upgrades as the vocational programs may need to adapt and evolve for the future.

The facility was equipped throughout with high efficiency LED lighting for both indoor and outdoor elements. Lighting controls were implemented throughout to maximize energy efficiency. The electrical design also included a fire alarm system, Local Area Network, and an intercom system.controls.





Client: Moore County Schools | Completed 2020 | \$16 million | 110,000 SF



OLG Engineering led the overall design responsibilities for all disciplines including Civil, Structural, and Architectural for this project in addition to leading the Construction Administration efforts and was responsible for the associated MEP design services. The design effort was the culmination of a multi-year support and coordination effort with the School System followed by designing to the owners preferences and needs and a two year construction effort, maintaining and allowing the School full access throughout for daily curriculum needs. The two year project was completed on time and within budget.

Key Attributes

- OLG provided full architecture and engineering design for a major renovation and expansion project
- Included new dining hall
- New energy efficient systems throughout

Major Renovation Elements

The project included renovation of the original 1975 main building component and the 2000 middle school portion along with remodel and expansion of both. The facility was provided with a new defined front entry, secure access and control with addition of a complete facility sprinkler system and elimination of classroom egress doors, and a new performance Gym and support areas. The facility was also provided with a new dining and kitchen

MOORE COUNTY HIGH SCHOOL, CONTINUED



area to expedite student serving and meal needs along with con-trolled interconnection of the remote band and vocational building to maintain student security transition considerations.

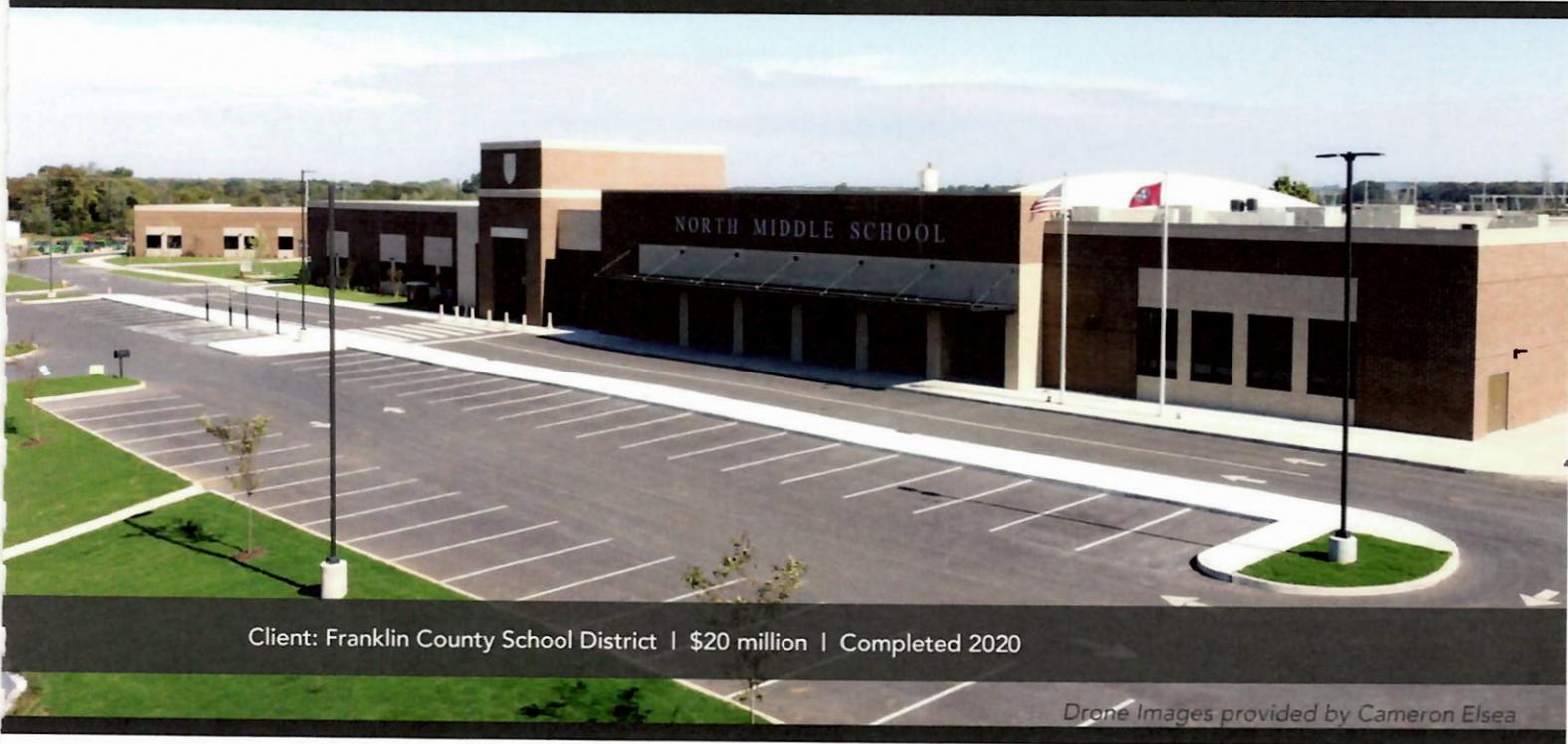
Mechanical Systems

To better support the School System's maintenance needs, HVAC components for this facility were conventional rooftop equipment with dedicated systems for each class-room, eliminating the antiquated and dysfunctional centralized multi-zone system that served the primary 1975 facility.

Electrical Systems

The facility was equipped throughout with high efficiency LED lighting for both indoor and outdoor elements. Lighting controls were implemented throughout to maximize energy efficiency. The electrical design also included a voice annunciation fire alarm system conforming with current Code requirements, an intercom system, and a sound system for the gymnasium.





Client: Franklin County School District | \$20 million | Completed 2020

Drone Images provided by Cameron Elsea



OLG Engineering provided MEP design services for construction of a new Middle School. The new facility was designed and integrated around the 1969 modular domed pod system. The existing school remained operational throughout construction of the new facility.

Mechanical Systems

The design included repurposing of the existing gymnasium space with remodeled locker rooms and other support areas, and adding complete heating and cooling to the gymnasium area. The main school facility mechanical systems included high efficiency water source components with dedicated individual classroom units for maximum control. The design integrated rooftop dedicated fresh air units to provide neutral, dry air for ventilation air and to control humidity levels.

Electrical Systems and Controls

The facility was equipped throughout with high efficiency LED lighting indoors and outside as well as a theatrical lighting system in the auditorium. Lighting controls were implemented throughout to maximize energy efficiency. The electrical design also included a voice annunciation fire alarm system conforming with current Code requirements, an intercom system with phones in the classrooms capable of making outside calls, and sound systems for the gymnasium, auditorium, and cafeteria. All of the HVAC components were integrated into the building management system for full building control.

- Electrical included new voice annunciation fire alarm system to comply with current Code requirements.
- Facility was provided with efficient LED lighting throughout with occupancy sensors.



Client: Franklin County School District | \$19 million | Completed 2020



Drone Images provided by Cameron Elsea

OLG Engineering provided MEP design services for construction of a new Middle School. The new facility was designed and integrated around the 1969 modular domed pod system. The existing school remained operational throughout construction of the new facility.

Mechanical Systems

The design included repurposing of the existing gymnasium space with remodeled locker rooms and other support areas, and adding complete heating and cooling to the gymnasium area. The main school facility mechanical systems included high efficiency water source components with dedicated individual classroom units for maximum control. The design integrated rooftop dedicated fresh air units to provide neutral, dry air for ventilation air and to control humidity levels.

Electrical Systems and Controls

The facility was equipped throughout with high efficiency LED lighting indoors and outside as well as a theatrical lighting system in the auditorium. Lighting controls were implemented throughout to maximize energy efficiency. The electrical design also included a voice annunciation fire alarm system conforming with current Code requirements, an intercom system with phones in the classrooms capable of making outside calls, and sound systems for the gymnasium, auditorium, and cafeteria. All of the HVAC components were integrated into the building management system for full building control.



Client: Providence Christian School | To Be Completed 2021 | Value engineering saved \$3 million

Key Attributes

- Provided design, cost estimating, scheduling, project oversight, and management.
- Building systems designed to integrate future expansion space.
- Mechanical and electrical systems designed for maximum efficiency.

OLG Engineering provided MEP design services for construction of a new private school campus.

Mechanical Systems

The new facility included a full-facility energy management system with high efficiency water source components coupled with high efficiency condensing boilers and fluid cooler. Dedicated individual classroom units provide maximum control at the classroom level.

The building design included plans for a future upper level classroom space that was integrated into the initial design for expansion capabilities within the central plant elements.

The design integrated dedicated fresh air units with Energy Recovery Ventilation to provide proper ventilation to the classroom spaces. High occupancy

PROVIDENCE CHRISTIAN ACADEMY, CONTINUED



and back of house spaces were provided with dedicated rooftop units to allow incidental use of these areas without startup of the central plant pumps, boilers, etc.

Plumbing design included high efficiency gas water heating elements with a centralized pumping and distribution system to provide hot water throughout the building.

Electrical Systems

The facility was equipped throughout with high efficiency LED lighting for both indoor and outdoor elements and included complete voice annunciation fire alarm system conforming with current Code requirements.

Client: Maury County Public Schools | Completed 2019 | \$24.2 million



We will provide the educational environment for every child to succeed in LIFE by assuring the places in which all school activities take place are well-maintained, clean, comfortable and safe. - MCPS Mission Statement

Key Attributes

- Designed for maximum energy efficiency
- Delivered under CM process

OLG Engineering provided MEP design services for construction of a new Elementary School as part of a Construction Managed team and design process.

Mechanical Systems

The HVAC system included a full energy management system and high efficiency condensing boilers and fluid cooler with dedicated individual classroom units for maximum control and control. The design integrated zoned rooftop dedicated fresh air units with Energy Recovery Ventilation to provide proper ventilation to the spaces. High occupancy spaces were provided with dedicated rooftop units to allow incidental use of these areas without startup of the central plant. Plumbing design included high efficiency gas water heating elements with a centralized pumping and distribution system to provide hot water throughout the building.

Electrical Systems

The facility was equipped throughout with high efficiency LED lighting for both indoor and outdoor elements as well as theatrical lighting in the cafeteria. Lighting controls were implemented throughout to maximize energy efficiency. The electrical design also included a voice annunciation fire alarm system conforming with current Code requirements.





Client: Maury County Public Schools | Completed 2019 | \$33.5 million

OLG Engineering provided Electrical and Sprinkler design services for construction of a new facility in conjunction with the Construction Managed design process and team.

The facility was equipped throughout with high efficiency LED lighting for both indoor and outdoor elements including football, baseball, and softball field lighting as well as a modest theatrical lighting system in the gymnasium. Lighting controls were implemented throughout to maximize energy efficiency. The electrical design also included a voice annunciation fire alarm system conforming with current Code requirements.

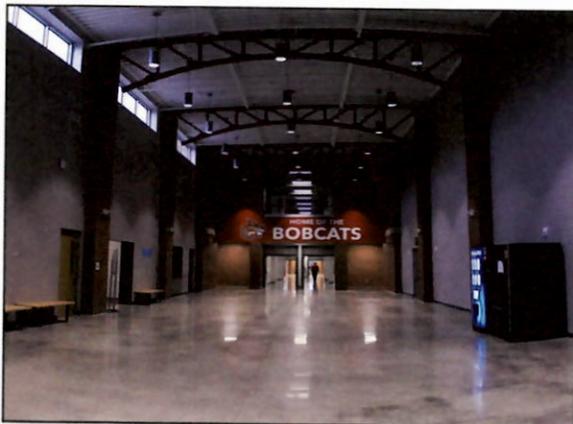
Key Attributes

- Electrical and Sprinkler design for new facility
- Included high efficiency LED lighting for school's interior, exterior, and sports facilities





Client: Dickson County School System | Completed 2019 | \$27.4 million



Key Attributes

- Included high efficiency HVAC systems with individual classroom controls
- Included high efficiency LED lighting throughout school, indoors and outside

OLG Engineering provided MEP design services for construction of a new Middle School as an integral part of a Construction Managed team and design process.

Mechanical Systems

OLG designed high efficiency Variable Refrigerant Flow (VRF) systems with individual classroom level systems for maximum control coupled with a complete building energy management system. The design incorporated zoned rooftop dedicated fresh air units with Energy Recovery Ventilation and dehumidification to provide proper ventilation to the spaces via dry room neutral air.

BURNS MIDDLE SCHOOL, CONTINUED



High occupancy spaces were provided with dedicated rooftop units for space heating and cooling, all equipped with dehumidification considerations to maximize space control capability.

Plumbing design included high efficiency gas water heating elements for the general building hot water needs with a centralized pumping and distribution system to provide hot water throughout the building while the Kitchen was provided with separate heating to allow diversity and better temperature control between the two system's needs.

Electrical Systems and Controls

The facility was equipped throughout with high efficiency LED lighting for both indoor and outdoor elements including football field lighting. Lighting controls were implemented throughout to maximize energy efficiency. The electrical design also included a voice annunciation fire alarm system conforming with current Code requirements, an intercom system, and a sound system for the gymnasium.



Client: Tullahoma City Schools | \$8 million | Completed 2000



Key Attributes

- 68,240 square feet of new facility space and 15,000 square feet of renovated space
- Design for High Performance School/LEED certification

OLG Engineering provided MEP design services for construction of a new Elementary School. The new school featured high efficiency cutting edge technologies in its construction for LEED capable performance.

Electrical Systems and Controls

Electrical design included high efficiency lighting including occupancy sensor control and daylight harvesting to maximize energy efficiency. With the school located within the city, exterior lighting incorporated cut-off elements to minimize light pollution to adjacent properties and areas. Electrical design included high performance step-down transformers to further integrate into the high performance and energy optimization of the facility along with the individual circuit and branch metering to control power consumption. The electrical service is 1600 amp, 480V with each feeder breaker metered for verification. Also included intercom, fire alarm, clock system, and data and video.

Mechanical Systems

The HVAC design for the building included high performance classroom level components coupled with complete geothermal loop system. The facility also includes geothermal fresh air system elements to deliver fresh air to the classrooms. The fresh air system efficiency was further improved by coupling the classroom level occupancy sensors with motorized dampers for load reduction during un-occupied times. Low flow plumbing fixtures were incorporated throughout for efficient water usage along with their respective sensor controls.





Client: Warren County School System | \$3 million | Completed 2020



The new Bobby Ray Memorial School Administration Addition has been completed for Warren County Schools. This provides new opportunities at the School, providing indoor connectivity for students and staff. The campus expansion includes new visitor and check in space along with all the front Principal, Clinic, and administrative support spaces as well as adding needed Computer SPED and other learning spaces.

Along with the new construction, OLG Engineering developed plans and construction documents to replace the main electrical service. We also located the new panelboards and added new receptacles to the areas with updated technology needs.

In addition to the electrical upgrades, OLG designed a new VRF system to replace the existing split system and advised the best way to re-utilize existing ductwork for the new fresh air system.



CUMBERLAND COUNTY, TENNESSEE

5-21-121. Conflicts of interest.

(a)

(1) The director, purchasing agent, members of the committee, members of the county legislative body, other officials of the county, members of the board of education, members of the highway commission, and employees of the finance department and purchasing department shall not have a direct interest in the purchase of supplies, materials, equipment, or contractual services for the county. As used in this subdivision (a)(1):

(A) "Controlling interest" means sufficient ownership in a business or company to control policy and management, including the ownership or control of the largest number of outstanding shares owned by any single individual in a business or company; and

(B) "Direct interest" means a contract with a person personally or with a business in which the person is the proprietor, a partner, or the person having the controlling interest in the business.

(2) Such persons shall not have an indirect interest in the purchase of supplies, materials, equipment, or contractual services for the county unless the person publicly acknowledges the interest. A person who is not a member of a governing body and who is required to publicly acknowledge an indirect interest must do so by reporting the interest to the office of the county mayor to be compiled into a list that must be maintained as a public record. As used in this subdivision (a)(2), "indirect interest" means a contract in which a person is interested, but not directly so, and includes contracts where the person is directly interested and is the sole supplier of goods or services in the county.

(b) No firm, corporation, partnership, association or individual furnishing any such supplies, materials, equipment or contractual services, shall give or offer nor shall the director or purchasing agent or any assistant or employee accept or receive directly or indirectly from any person, firm, corporation, partnership or association to whom any contract may be awarded, by rebate, gift or otherwise, any money or other things of value whatsoever, or any promise, obligation or contract for future reward or compensation.

Receipt is acknowledged and confirmation of compliance with the statute is hereby affirmed:

Company Name: OLG Engineering, Inc.

Authorized Representative Signature: 

Print Name & Title: Dean Oliver, PE, Principal

Date: January 14, 2022

*** Current through 2017 Regular Session (Chapter 493). ***

Title 12 Public Property, Printing And Contracts
Chapter 12 Iran Divestment Act

Tenn. Code Ann. § 12-12-106 (2017)

12-12-106. List of persons engaging in investment activities in Iran -- Ineligibility to contract with state.

(a) (1) No more than one hundred twenty (120) days after July 1, 2016, the state chief procurement officer shall publish, using credible information freely available to the public, a list of persons it determines engage in investment activities in Iran, as described in § 12-12-105. The list, when completed, shall be posted on the state's web site.

(2) The chief procurement officer shall update the list every one hundred eighty (180) days, using credible, freely available, public information regarding the persons or entities described in subdivision (a)(1).

(3) Before finalizing an initial list or an updated list, as reasonably practicable, the chief procurement officer shall do all of the following before a person is included on the list:

(A) Provide ninety (90) days' written notice of the chief procurement officer's intent to include the person on the list, if the state is reasonably able to provide the written notice by electronic communication or through the U.S. postal service. The notice shall inform the person that inclusion on the list would make the person ineligible to contract with the state. The notice shall specify that the person, if it ceases its engagement in investment activities in Iran, may be removed from the list.

(B) The chief procurement officer shall provide a person with an informal opportunity to comment in writing that it is not engaged in investment activities in Iran. If the person demonstrates to the chief procurement officer that the person is not engaged in investment activities in Iran, the person shall not be included on the list. Nothing in this section requires a contested case hearing as set forth in the Uniform Administrative Procedures Act, compiled in title 4, chapter 5. A person contesting being placed on the list described in subsection (a) shall exhaust all administrative remedies provided in this section prior to the initiation of any judicial review of being placed on such list.

(4) The chief procurement officer shall make every effort to avoid erroneously including a person on the list.

(b) A person that is identified on a list created pursuant to subsection (a) as a person engaging in investment activities in Iran as described in § 12-12-105, is ineligible to contract with the state.

(c) Any contract entered into with a person that is ineligible to contract with the state shall be terminated by the state.

HISTORY: Acts 2016, ch. 817, § 1.

“By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief that each bidder is not on the list created pursuant to §12-12-106.”

Company Name: OLG Engineering, Inc.

Authorized Representative Signature: 

Print Name & Title: Dean Oliver, PE, Principal

Date: January 14, 2022

CUMBERLAND COUNTY BOARD OF EDUCATION

STATEMENT OF QUALIFICATIONS
ARCHITECTURAL/ENGINEERING SERVICES
FOR BOARD OF EDUCATION
ESSER FUNDED CAPITAL PROJECTS
JANUARY 18, 2022



Upland Design Group

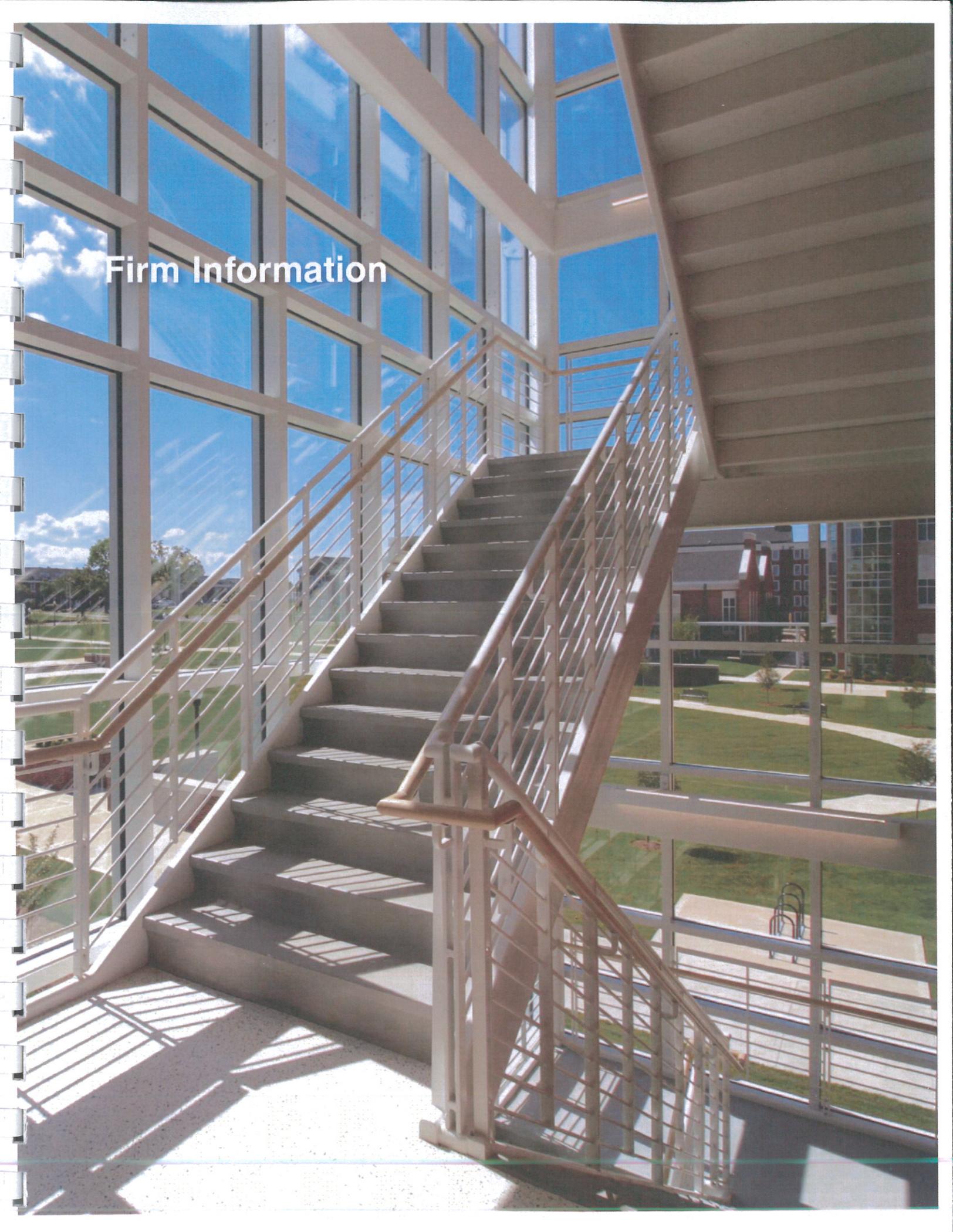
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Firm Information



FIRM INFORMATION

Upland Design Group

- A. 362 Industrial Blvd.
Crossville, TN 38555
Phone: 931-484-7541
- B. Chartered in Tennessee as a "C" corporation in 1977
- C. 44 Years continuous in business
- D. Firm Principals:
Kim Allen Chamberlin, AIA, NCARB, LEED AP
Bryant Allen Hill, AIA, RRC, NCARB, CDT
Brian Templeton, AIA, NCARB, LEED AP
- E. **Primary Contact:** Kim Allen Chamberlin, AIA, NCARB, LEED AP
- F. At **Upland Design Group** our Design Philosophy is not rooted in a particular "style" or imagery. Instead our design process is born from the relationships between the client's ideas, the use of spaces they want to create, and the site chosen.

We focus on community infrastructure projects in Middle and East Tennessee. We have been involved in over 1,000 successful projects varying size and scope - the majority of which have been K-12 and higher education projects.

All **Upland Design Group** projects are **led by a principal architect / firm partner, who will be the Cumberland County Board of Education point of contact for the duration of the projects.**

UDG's Education Projects Completed

- Upland Design Group focuses on community infrastructure projects in Middle and East Tennessee.
- Extensive Professional Resume, with over 1,000 Completed Projects
- Many Repeat Clients in our 44 Years of service
- Long track Record of working with County and City Governments to get the job done on time and in budget
- Successfully completed over 700 education projects in Middle and East Tennessee.

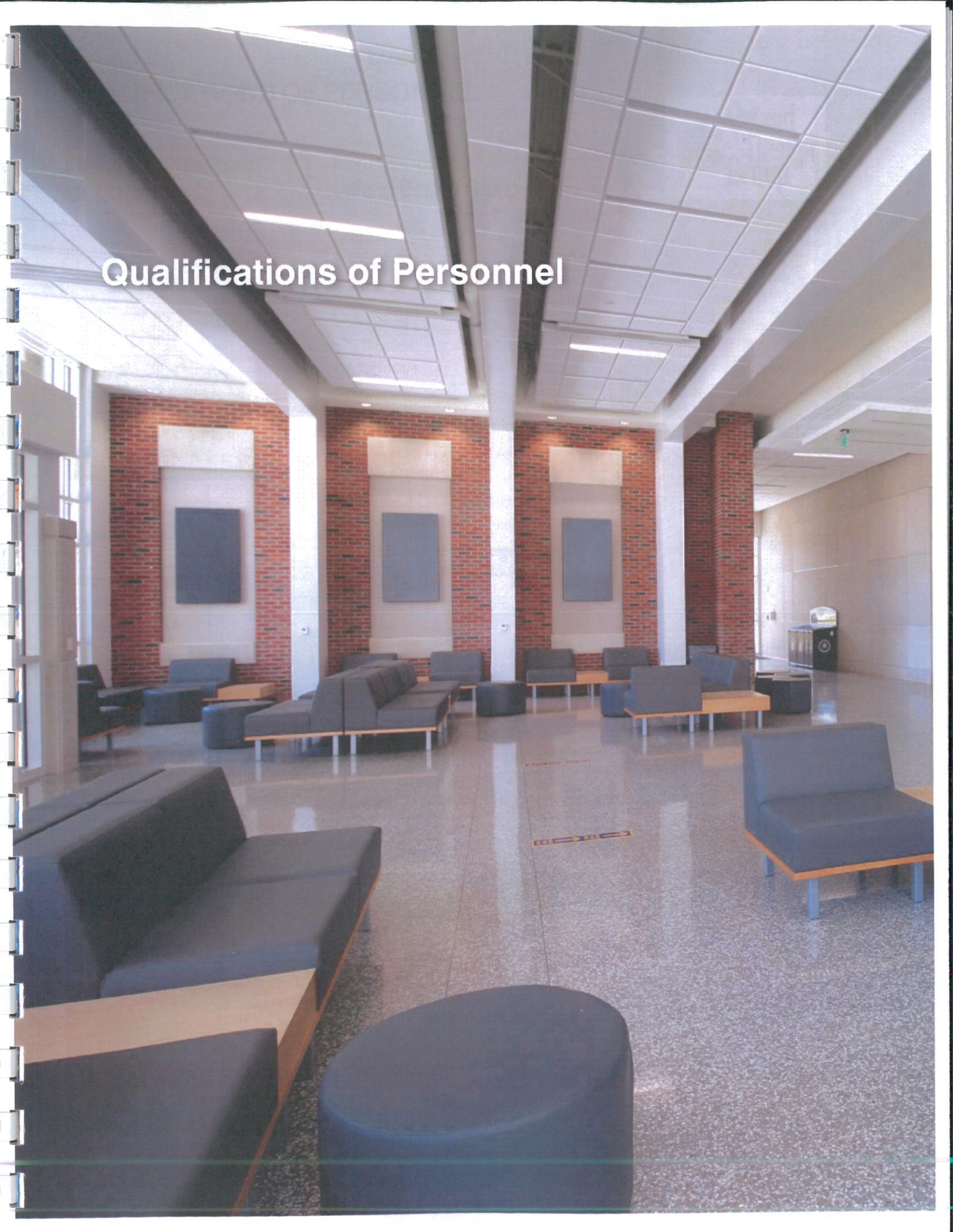


Upland Design Group

362 Industrial Blvd.
Crossville, TN 38555
Phone: 931-484-7541



Qualifications of Personnel



QUALIFICATIONS OF PERSONNEL

Kim Allen Chamberlin

AIA, NCARB, LEED-AP



Upland Design Group

P.O. Box 1026

Crossville, TN 38557

931-484-7541

Firm Principal Upland Design Group

Education:

- Bachelor of Architecture – 1982
University of Cincinnati

Licensing:

- TN 1984
- OH 1984
- KY 1992

Professional Credentials:

- American Institute of Architects
(East TN Chapter)
- National Council of Architectural
Registration Boards (NCARB)
- LEED Accredited Professional -
US Green Building Council

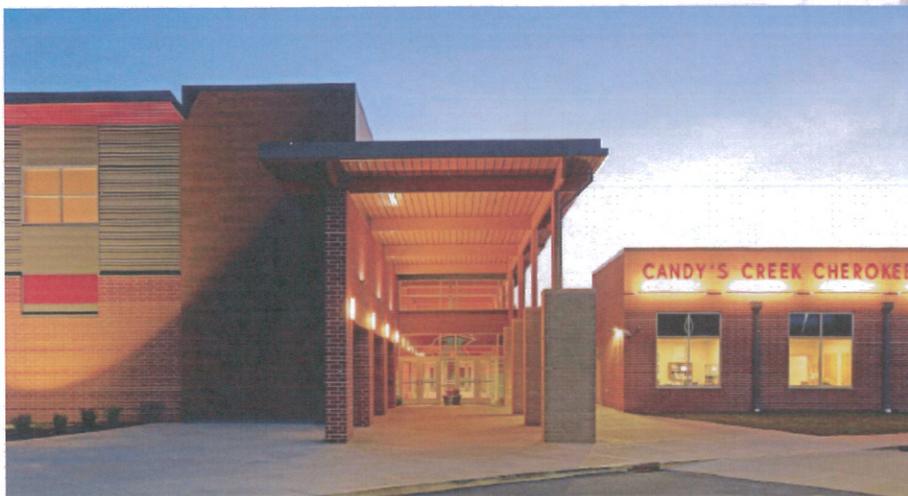
Project Qualifications:

- Architect of Record For the Stone Memorial High School, a \$25 million project
- Project architect on more than 20 new school facilities in Middle and East Tennessee
- Familiar with Local Contractor and Bidding Market
- Extensive Past Experience with both K-12 and higher education facilities
- Project architect on four USGBC LEED certified facilities, including the first LEED Platinum NC in the state



Bio:

Mr. Chamberlin has been an integral part of Upland Design Group since 1990. During that time he has been instrumental in the continued growth of UDG. His "hands on approach" brings valuable oversight to all of UDG's projects. Kim's thirty-nine years of experience in the design and construction profession have given him the foresight necessary to guide projects down a successful path. He has a remarkable understanding of the process between idea, design and construction in the field and has successfully led many multimillion dollar building projects from start to finish.



QUALIFICATIONS OF PERSONNEL

Brian Templeton

AIA, NCARB, LEED-AP



Firm Principal Upland Design Group

Education:

- Bachelor of Architecture – 1999
Magna Cum Laude, University of Tennessee

Licensing:

- TN 2006

Professional Credentials:

- American Institute of Architects (East TN Chapter)
- National Council of Architectural Registration Boards
- LEED Accredited Professional – U.S. Green Building Council

Upland Design Group

P.O. Box 1026

Crossville, TN 38557

931-484-7541

Project Qualifications:

- 15 years of experience in the architectural profession with a focus on K-12 and Higher Education school design
- Principal-in-Charge for multiple projects for Meigs County Schools
- Principal-in-Charge for Cleveland High School Science Wing, Cleveland, TN
- Principal-in-Charge for Cleveland High School Raider Arena, Cleveland, TN
- Principal-in-Charge for Candy's Creek Cherokee Elementary School, Cleveland, TN



Bio:

Brian joined Upland Design Group in 2002 and became a Firm Principal in 2007. He has served as the lead designer on numerous projects types ranging from high end financial centers to award winning budget driven schools. Brian brings a strong design sense to the firm's projects with his creative skills and unwavering attention to detail. Brian has designed multiple large scale projects with LEED and/or sustainable design principles and has gained significant "green design" expertise.

QUALIFICATIONS OF PERSONNEL

Carl Deskins

AIA, NCARB



Upland Design Group

P.O. Box 1026

Crossville, TN 38557

931-484-7541

Project Manager Upland Design Group

Education:

- Bachelor of Architectural Studies – 2002 University of Illinois Urbana/Champaign
- Master of Architecture – 2004 University of Illinois Urbana/Champaign

Licensing:

- TN 2010

Professional Credentials:

- National Council of Architectural Registration Boards (East TN Chapter)
- American Institute of Architects



Bio:

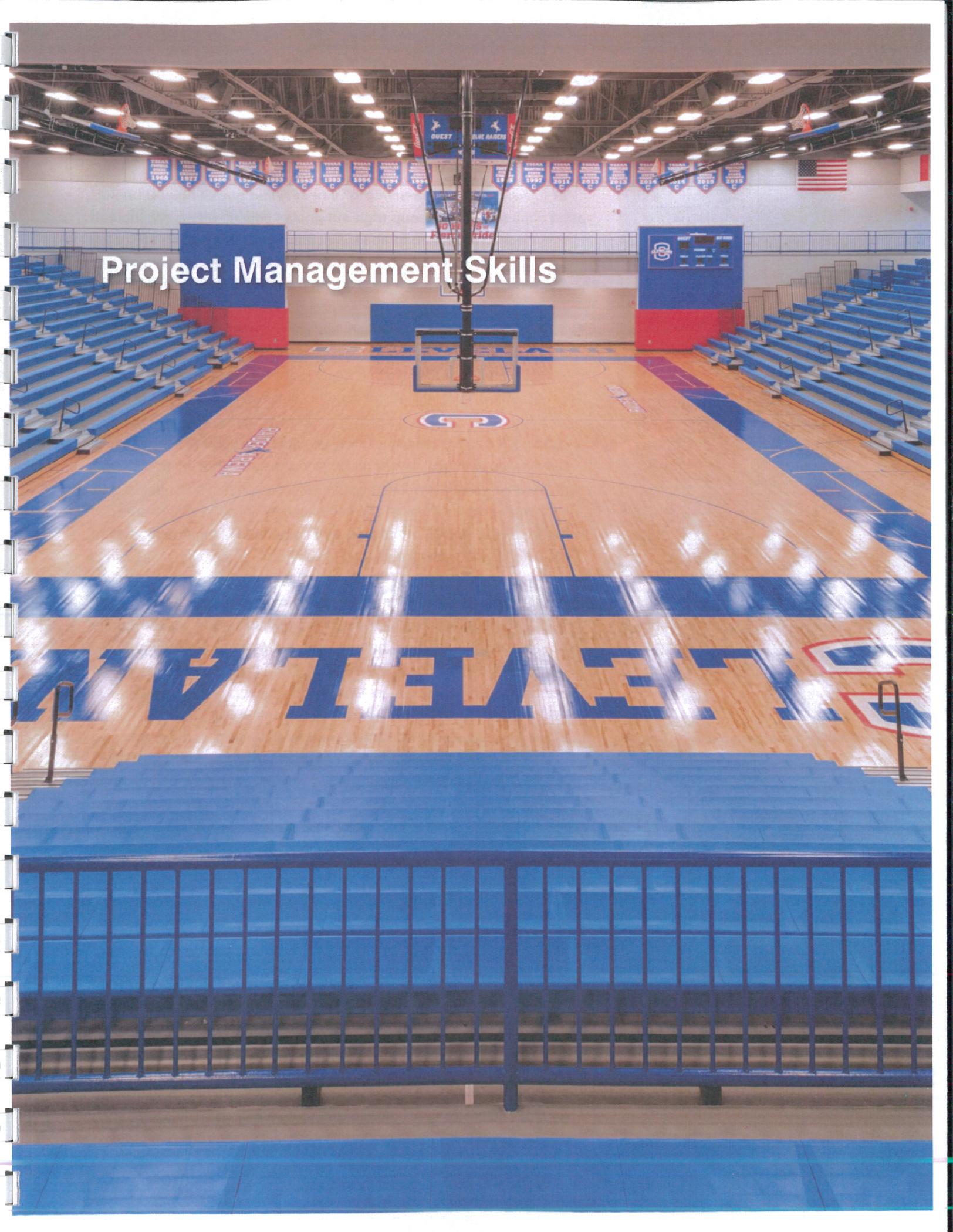
Mr. Deskins started working with Upland Design Group while still an intern, allowing firsthand, and real-world experience in various project types from school design to commercial and utility business. Graduating top of his undergraduate class, Mr. Deskins received many honors in college and was named the Alan K. and Leonard Laing fellow, the highest graduate fellow for Architecture. Upon completion of his degrees and licensure, Mr. Deskins continues to work for UDG as a project manager and Architect.

Project Qualifications:

- 18 years experience at UDG
- Worked on multiple buildings for TN Technological University replacing windows
- Renovations on dorm buildings at TN Technological University replacing HVAC systems
- Project Manager on the in progress White Plains Academy project in Putnam County replacing bleachers and windows



Project Management Skills



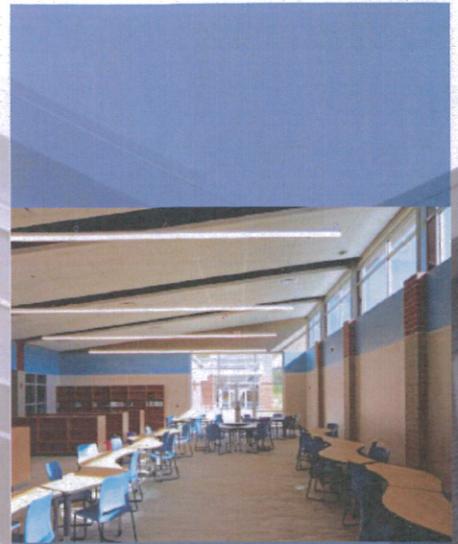
MANAGEMENT AND ORGANIZATION APPROACH

Design Approach

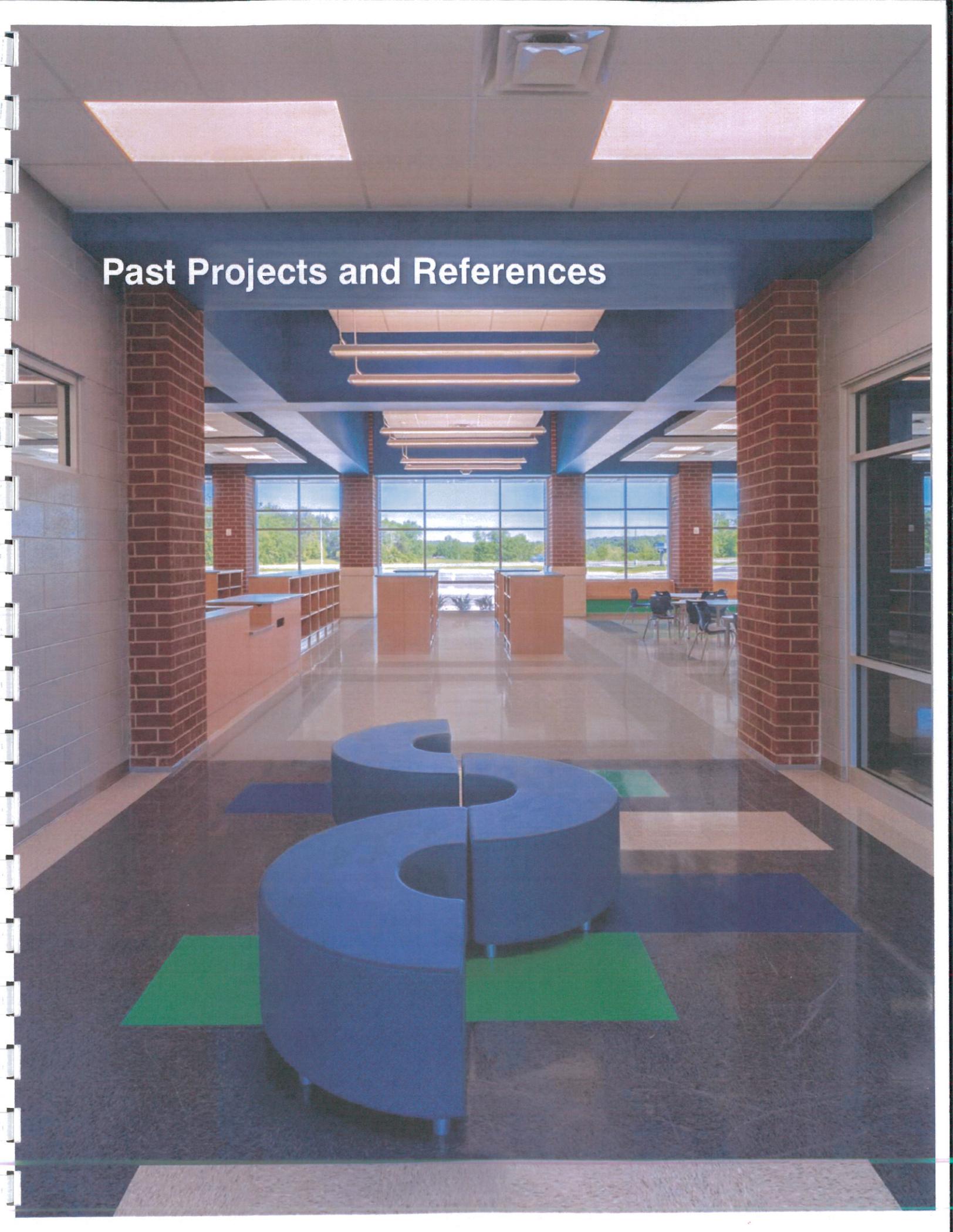
- **Upland Design Group believes in a “problem-seeking” approach to design.** We believe that **by asking the right questions, our team can develop the design that best suits the needs of our clients.**
- Our team will work closely with the **Cumberland County Board of Education** through the entire process of Design and Construction. We begin our process by asking the right questions. This helps us to determine how the program can best develop to meet the needs of the schools. When the program is fully developed, our team helps to establish a set of Project Goals. Our team then takes these Project Goals and helps Cumberland County Board of Education achieve them through the Design and Construction Process.
- Our principals average more than 30 years as project architects and have experienced the wide range of construction delivery methods on the market, from construction management to lump sum bid. We are very familiar with the construction market in the area, and perhaps more importantly, **many contractors interested in bidding on this work know UDG** and the quality of our construction documents. This leads to fewer questions during the construction period, resulting in few Change Orders.
- **A Principal Architect is involved in every step of the planning and design process.** This helps with quality control of the project, because there is a **single point of communication among the design team** – and less problems with information not being passed on to other team members.
- In addition to the Principal-In-Charge, another principal of the firm will be kept briefed of the project’s status and progress. This “backup” person will assist by acting in a peer review role as the construction documents are finalized.
- UDG utilizes BIM design model sharing to coordinate between ourselves and consultants. Design models are hosted in-house on our own servers, for supervision of flow of information between team members, as well as data security. These methods, along with quality control checklists and procedures we have developed ourselves, benefit all team members as well as Rutherford County Schools.

Approach to Code Analysis and Jurisdictional Approval

- UDG has a long working relationship with the Tennessee State Fire Marshal’s office. We schedule preliminary review meetings with the State Fire Marshall to review the plans at the design development stage in order to get the fire marshal’s input and include them as the design progresses to ensure a speedy approval process. **The review and approval process is typically accomplished in less than two weeks.**
- UDG takes great pride in meeting local code official’s expectations. We will make contact with the jurisdictional authorities for the project’s location, in the early stages of the project. As with the state fire marshal, their input will be received and implemented in the development stages of the project.



Past Projects and References



PAST PROJECTS

HVAC, BLEACHER, WINDOW AND/OR DOOR PROJECTS:

Cumberland County Schools - Dr. Ina Maxwell, Director of Schools

368 4th Street, Crossville, TN 38555

931-484-6135 maxwelli@ccschools.k12tn.net

- South Cumberland Elementary (Bleachers)
- North Cumberland Elementary (Bleachers)
- Pleasant Hill Elementary (Bleachers)
- Cumberland County High School (Bleachers)
- Stone Memorial High School (Bleachers)
- Crab Orchard Elementary Addition and Renovation
- Martin Elementary Window and Door Replacement

Putnam County Schools - Corby King, Director of Schools

1400 E. Spring Street, Cookeville, TN 38506

931-526-9777 kingc11@pcsstn.com

- White Plains Academy Gym, Bleacher, Window Replacement
- Cookeville High School Entry Door Replacement

Lebanon Special School District - Scott Benson, Director of Schools

397 North Castle Heights Ave., Lebanon, TN 37087

615-449-6060 scott.benson@lssd.org

- Jones Brummett Elementary (Bleachers)

Scott County Schools - Bill Hall, Director of Schools

208 Court Street, Huntsville, TN 37756

423-663-2159 bill.hall@scottcounty.net

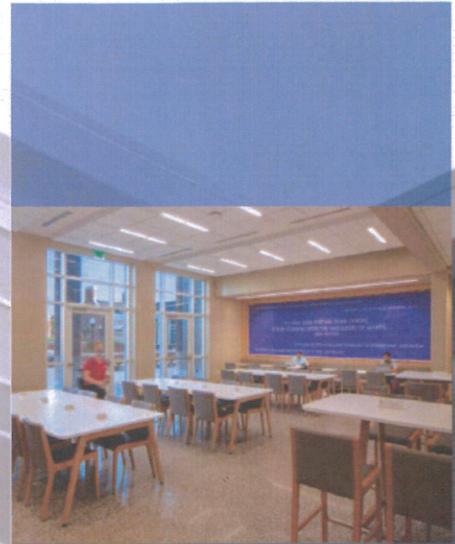
- Huntsville Elementary HVAC Replacement
- Scott County High School HVAC Replacement
- Robbins Elementary HVAC Replacement

Bledsoe County Schools - Brian Turner, Facilities Director

478 Spring Street, Pikeville, TN 37367

423-447-2914 brianturner@bledsoecountyschools.org

- Bledsoe County High School HVAC Replacement



PAST PROJECTS

HVAC, BLEACHER, WINDOW AND/OR DOOR PROJECTS:

Meigs County Schools - Clint Baker, Director of Schools

345 N. Main Street, Decatur, TN 37322

423-334-5793 clint@meigsboe.net

- North Elementary Gym HVAC and Window Replacement
- South Elementary Gym HVAC and Window Replacement

Cleveland City Schools - Dr. Russell Dyer, Director of Schools

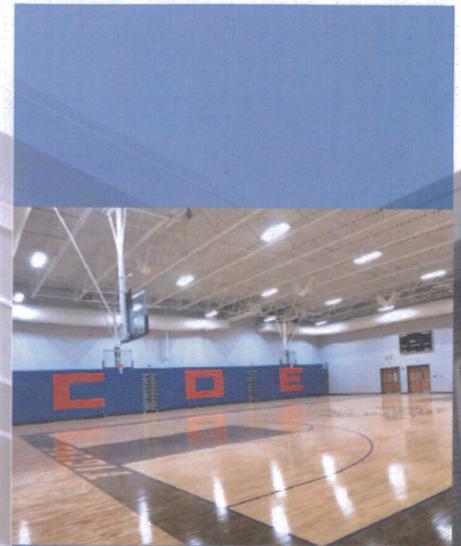
4300 Mouse Creek Road, Cleveland, TN 37312

423-472-9571 rdyer@clevelandschools.org

- Blythe Bower Elementary HVAC Replacement
- Cleveland High School Raider Arena (Bleachers)
- Candy's Creek Cherokee Elementary (Bleachers)

ESSER FUNDED PROJECTS:

- Upperman High School Expansion
- White Plains Academy Bleachers and Window Replacement
- Cleveland High School Kitchen Upgrades
- Meigs County High School Restroom Upgrades
- Blythe Bower Elementary Flooring Replacement
- Warren County Middle School Addition and Renovation
- Eastside Elementary Addition
- BonDeCroft Elementary Addition
- Fairview Elementary Reroof
- Huntsville Elementary Reroof
- Burchfield Elementary Reroof



CLIENT REFERENCES

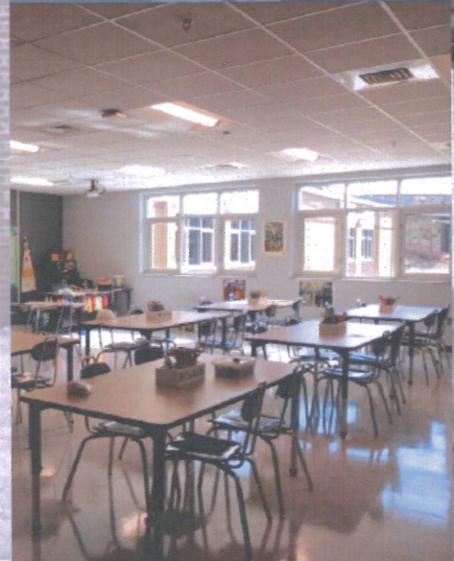
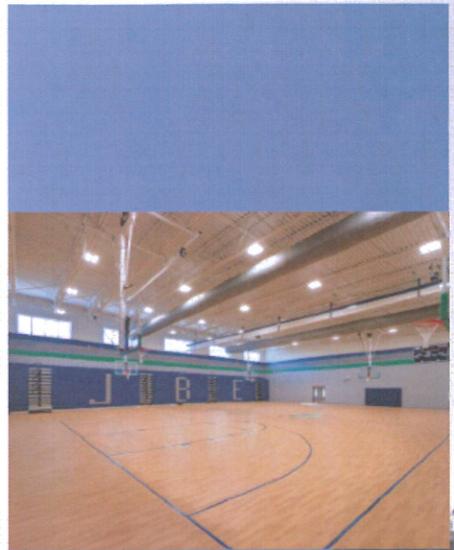
Scott Benson, Director of Schools
Lebanon Special School District
397 North Castle Heights Avenue
Lebanon, TN 37087
615-449-6060
scott.benson@lssd.org

Corby King, Director of Schools
Putnam County Schools
1400 East Spring Street
Cookeville, TN 38506
931-526-9777
kingc11@pcsstn.com

Dr. Russell Dyer, Director of Schools
Cleveland City Schools
4300 Mouse Creek Road NW
Cleveland, TN 37312
423-472-9571
rdyer@clevelandschools.org

Allen Foster, County Mayor
Cumberland County
2 North Main Street
Crossville, TN 38555
931-484-6165
mayorfoster@cumberlandcountyttn.gov

Patrick Cripps, Director of Schools,
DeKalb County School District
110 South Public Square
Smithville, TN 37116
615-597-4084
patrickcripps@dekalbschools.net



CUMBERLAND COUNTY, TENNESSEE

5-21-121. Conflicts of interest.

(a)

(1) The director, purchasing agent, members of the committee, members of the county legislative body, other officials of the county, members of the board of education, members of the highway commission, and employees of the finance department and purchasing department shall not have a direct interest in the purchase of supplies, materials, equipment, or contractual services for the county. As used in this subdivision (a)(1):

(A) "Controlling interest" means sufficient ownership in a business or company to control policy and management, including the ownership or control of the largest number of outstanding shares owned by any single individual in a business or company; and

(B) "Direct interest" means a contract with a person personally or with a business in which the person is the proprietor, a partner, or the person having the controlling interest in the business.

(2) Such persons shall not have an indirect interest in the purchase of supplies, materials, equipment, or contractual services for the county unless the person publicly acknowledges the interest. A person who is not a member of a governing body and who is required to publicly acknowledge an indirect interest must do so by reporting the interest to the office of the county mayor to be compiled into a list that must be maintained as a public record. As used in this subdivision (a)(2), "indirect interest" means a contract in which a person is interested, but not directly so, and includes contracts where the person is directly interested and is the sole supplier of goods or services in the county.

(b) No firm, corporation, partnership, association or individual furnishing any such supplies, materials, equipment or contractual services, shall give or offer nor shall the director or purchasing agent or any assistant or employee accept or receive directly or indirectly from any person, firm, corporation, partnership or association to whom any contract may be awarded, by rebate, gift or otherwise, any money or other things of value whatsoever, or any promise, obligation or contract for future reward or compensation.

Receipt is acknowledged and confirmation of compliance with the statute is hereby affirmed:

Company Name: Upland design Group, Inc.

Authorized Representative Signature: Kim Allen Chamberlin

Print Name & Title: Kim Allen Chamberlin, President

Date: Jan. 13, 2022

*** Current through 2017 Regular Session (Chapter 493). ***

Title 12 Public Property, Printing And Contracts
Chapter 12 Iran Divestment Act

Tenn. Code Ann. § 12-12-106 (2017)

12-12-106. List of persons engaging in investment activities in Iran -- Ineligibility to contract with state.

(a) (1) No more than one hundred twenty (120) days after July 1, 2016, the state chief procurement officer shall publish, using credible information freely available to the public, a list of persons it determines engage in investment activities in Iran, as described in § 12-12-105. The list, when completed, shall be posted on the state's web site.

(2) The chief procurement officer shall update the list every one hundred eighty (180) days, using credible, freely available, public information regarding the persons or entities described in subdivision (a)(1).

(3) Before finalizing an initial list or an updated list, as reasonably practicable, the chief procurement officer shall do all of the following before a person is included on the list:

(A) Provide ninety (90) days' written notice of the chief procurement officer's intent to include the person on the list, if the state is reasonably able to provide the written notice by electronic communication or through the U.S. postal service. The notice shall inform the person that inclusion on the list would make the person ineligible to contract with the state. The notice shall specify that the person, if it ceases its engagement in investment activities in Iran, may be removed from the list.

(B) The chief procurement officer shall provide a person with an informal opportunity to comment in writing that it is not engaged in investment activities in Iran. If the person demonstrates to the chief procurement officer that the person is not engaged in investment activities in Iran, the person shall not be included on the list. Nothing in this section requires a contested case hearing as set forth in the Uniform Administrative Procedures Act, compiled in title 4, chapter 5. A person contesting being placed on the list described in subsection (a) shall exhaust all administrative remedies provided in this section prior to the initiation of any judicial review of being placed on such list.

(4) The chief procurement officer shall make every effort to avoid erroneously including a person on the list.

(b) A person that is identified on a list created pursuant to subsection (a) as a person engaging in investment activities in Iran as described in § 12-12-105, is ineligible to contract with the state.

(c) Any contract entered into with a person that is ineligible to contract with the state shall be terminated by the state.

HISTORY: Acts 2016, ch. 817, § 1.

"By submission of this bid, each bidder and each person signing on behalf of any bidder certifies, and in the case of a joint bid each party thereto certifies as to its own organization, under penalty of perjury, that to the best of its knowledge and belief that each bidder is not on the list created pursuant to §12-12-106."

Company Name:

Upland Design Group, Inc.

Authorized Representative Signature:

Kim Allen Chamberlin

Print Name & Title:

Kim Allen Chamberlin, President

Date:

Jan. 13, 2022

RESOLUTION # _____
Cumberland County, Tennessee
General Purpose School Fund

WHEREAS, the Board of Education would like to pursue a salary study of the non-certified pay scale to provide analysis of local and regional competition.

WHEREAS, the budgeted Human Resource software is not developmentally ready for purchase at this time.

THEREFORE, be it resolved, by the Cumberland County Board of Education meeting on this ____ day of _____, 2022, and by the Cumberland County Commission meeting on this ____ day of _____, 2022, that the following budget amendment be adopted:

Salary Study Budget Amendment

Decrease Expenditures:			
141.72520.471	Human Services – Software		\$ 30,000.00
		Total Increase:	\$ 30,000.00
Increase Expenditures:			
141.72520.399	Human Services – Contracted Services		\$ 30,000.00
		Total Increase:	\$ 30,000.00

SPONSORED BY:

BOE Member

APPROVED BY:

Chairman of the Board

ATTEST:

Director of Schools

Ayes: _____ Nays: _____ Abstain: _____

Sponsor: _____
County Commissioner

Approval: _____
County Mayor

Budget Committee Vote:

Attest: _____
County Clerk

Ayes: __ Nays: __ Abstain: __