Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Centralized Expression of Interest
Architect/Engr

Proc Folder:	1511914
Doc Description:	EOI: Maintenance Building and Keller Hall
Proc Type:	Central Purchase Order
Reason for Modification:	

Date Issued	Solicitation Closes	Solicitation No	Version
2024-09-23	2024-10-10 13:30	CEOI 0403 DBS2500000001	1

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

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2024 OCT 10 AM 11:18
WV PURCHASING DIVISION

VENDOR

Vendor Customer Code:
Vendor Name : ZMM Architects and Engineers
Address : 222 Lee Street West
Street :
City : Charleston
State : WV **Country :** USA **Zip :** 25302
Principal Contact : David Ferguson
Vendor Contact Phone: 304.342.0159 **Extension:** 238

FOR INFORMATION CONTACT THE BUYER
Joseph E Hager III
(304) 558-2306
joseph.e.hageriii@wv.gov

Vendor Signature X **FEIN#** 550676608 **DATE** 10/9/24

All offers subject to all terms and conditions contained in this solicitation

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

(Printed Name and Title) David Ferguson, Principal

(Address) 222 Lee Street West, Charleston, WV 25302

(Phone Number) / (Fax Number) 304.342.0159 / 304.345.8144

(email address) ferguson@zmm.com

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through *wv*OASIS, I certify that: I have reviewed this Solicitation/Contract in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; that I am authorized by the Vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on Vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

ZMM Architects and Engineers
(Company)

(Signature of Authorized Representative)

David Ferguson, Principal 10/9/24
(Printed Name and Title of Authorized Representative) (Date)

304.342.0159 / 304.345.8144
(Phone Number) (Fax Number)

ferguson@zmm.com
(Email Address)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

- ☐ Addendum No. 1
- ☐ Addendum No. 2
- ☐ Addendum No. 3
- ☐ Addendum No. 4
- ☐ Addendum No. 5
- ☐ Addendum No. 6
- ☐ Addendum No. 7
- ☐ Addendum No. 8
- ☐ Addendum No. 9
- ☐ Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

ZMM Architects and Engineers

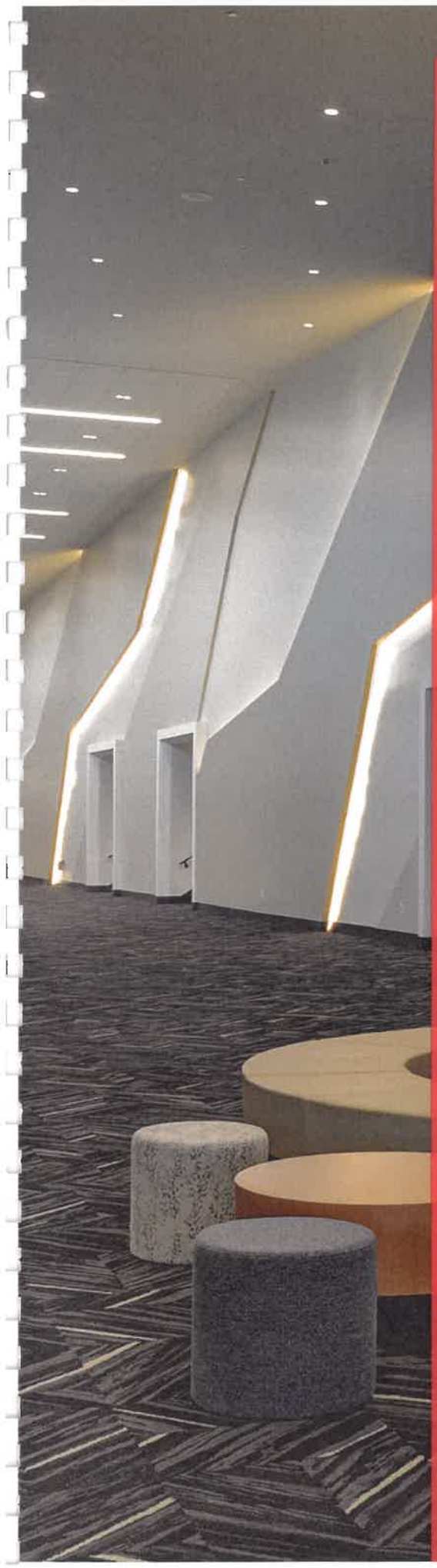
Company

Authorized Signature

October 9, 2024

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.



ZMM
ARCHITECTS
ENGINEERS

EXPRESSION OF INTEREST

To Provide Professional Architecture/Engineering Services:

WEST VIRGINIA SCHOOLS FOR THE DEAF AND THE BLIND

Maintenance Building and Keller Hall Renovations

DBS2500000001
OCTOBER 10, 2024

ZMM.COM

October 10, 2024

Josh Hager, Buyer
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305

Subject: CEOI 0403 DBS2500000001 Expression of Interest for design services, construction bidding documents, and contract administration for the WV Schools for the Deaf and Blind - Maintenance Building and Keller Hall

ZMM
ARCHITECTS
ENGINEERS

Dear Mr. Hager:

ZMM Architects and Engineers is pleased to submit the following information to demonstrate our experience and qualifications to provide professional design services, construction bidding documents, and contract administration for the WV Schools for the Deaf and Blind related to the Maintenance Building and Keller Hall.

In the information below and within this proposal, you will find relevant qualifications of the ZMM team that will lead to the continued successful implementation of your projects.

Company Overview
Established in 1959, ZMM is a West Virginia-based, full-service architectural and engineering firm focused on excellence in design and client support. We pride ourselves in maintaining many longstanding relationships with county boards of education and we have the right combination of technical expertise and education design to assist with your needs. Our integrated design approach makes ZMM unique and our ability to provide comprehensive design services has made us a trusted resource with educational partners throughout the state.

Project Experience
Our experience working with the West Virginia Schools for the Deaf and Blind includes Seaton Hall Emergency repairs, renovations for the Blue and Gold Building, Arnold Hall, and Keller Hall, window and roof replacements for the PE Building, and other campus improvements. We have also completed a Comprehensive Educational Facilities Plan and a Campus Master Plan for the West Virginia Schools for the Deaf and Blind.

We have successfully provided outstanding service to educational clients for renovation and new construction projects. Some of our recent projects that relate to the work needed for your project include laundry renovations for Highland Hospital, track resurfacing at Cabell Midland High School, and various sports complex work for educational and municipal clients. We have extensive experience in designing and constructing storage building facilities and renovating kitchens for freezer/cooler upgrades for a variety of clients.

We are confident that our previous experience assisting you and other educational partners across the state and our ability to offer both architectural and engineering services in-house will help ZMM continue to provide successful projects and exceptional client support to the WV Schools for the Deaf and Blind.

Team Expertise
With a team of more than 65 employees, ZMM offers a comprehensive, in-house approach to building design services, encompassing architecture, engineering (structural, mechanical, and electrical), interior design, and construction administration. Our engineers are leaders in the industry, shaping strategies and best practices for design challenges. Our architects, engineers, and designers are highly skilled and have a track record of successfully collaborating on projects of similar scope and complexity. Once your project team is assigned, these key members will work with you and the project committee from start to finish.

Thank you for taking the time to review our information formatted as requested. Our project experience, team expertise, and approach are contained in this letter and more details about our team and references are attached. You can explore our full range of projects and learn about working with ZMM from a client's perspective on our website at zmm.com.

We appreciate your consideration for your upcoming projects that are a part of your request for professional design services, construction bidding documents, and contract administration. We look forward to the opportunity to continue our collaboration with West Virginia Schools for the Deaf and Blind.

Respectfully submitted,
ZMM Architects and Engineers

David Ferguson, AIA, REFP
Principal

TABLE OF CONTENTS

STATEMENT OF QUALIFICATIONS

ZMM
ARCHITECTS
ENGINEERS

1.

FIRM PROFILE

ABOUT ZMM ARCHITECTS & ENGINEERS

ZMM was founded in 1959 in Charleston, West Virginia by Ray Zando, Ken Martin, and Monty Milstead. Since the inception of the firm, ZMM has been dedicated to providing an integrated approach to building design for our clients.

ZMM delivers this integrated approach by providing all building-related design services, including architecture, engineering (civil, structural, mechanical, and electrical), interior design, and construction administration with our in-house team. Our integrated design approach makes ZMM unique among architecture/engineering firms, and helps to ensure the quality of our design solutions by providing more thoroughly coordinated construction documents.

ZMM has maintained a diverse portfolio since the founding of the firm. Early commissions included higher education projects for West Virginia University and Concord College, WV State Capitol Complex Buildings 5, 6, & 7, and armories for the West Virginia Army National Guard.

Maintaining a diverse practice for more than 60 years has provided ZMM with extensive experience in a variety of building types, including educational facilities, governmental facilities (military, justice, correctional), healthcare facilities, recreation facilities, commercial office space, light industrial facilities, and multi-unit residential buildings.

The original partners transferred ownership of the firm to Robert Doeffinger, PE and Steve Branner in 1986. Mr. Doeffinger and Mr. Branner helped guide and expand the firm to 35 staff. Over the past 20 years David Ferguson, AIA, and Adam Krason, AIA, LEED-AP joined in ownership of the firm 20 years ago. Randy Jones joined the firm in a leadership role when ZMM acquired Blacksburg-based OWPR Architects & Engineers in 2020 to create a regional design firm that employs more than 65 highly-skilled professionals.

ZMM has become a leader in sustainable / energy-efficient design, and a trusted resource on complex renovation projects. ZMM's unique renovation project approach and ability to

ZMM ARCHITECTS ENGINEERS

About ZMM Architects & Engineers (cont.)

provide comprehensive design services has also led the firm to be selected to improve landmark buildings, including the Charleston Coliseum & Convention Center, the Clay Center for the Arts and Sciences, the West Virginia Culture Center, and the West Virginia State Capitol Building. Additional significant projects designed by the firm include the Explorer Academy (Cabell County Schools), the Logan-Mingo Readiness Center, the Manassas Park Community Center and Natatorium, the design of the Fourth High School (Frederick County Public Schools), the new Harrington Waddell Elementary School (Lexington City Schools), CAMC Teays Valley ICU, and Ridgeview Elementary School (Raleigh County Schools). ZMM has also provided design services on more than 300 school projects throughout the region.

ZMM's building-related design services include:

Pre-Design

- Educational Facility Planning
- Existing Building Evaluation
- Space Planning
- Master Planning
- Programming
- Feasibility Studies
- Site Evaluation and Analysis
- Construction Cost Estimating

Design

- Architectural Design
- Interior Design
- Lighting Design
- Sustainable Design
- Landscape Architecture

Engineering

- Civil Engineering
- Mechanical Engineering
- Energy Consumption Analysis
- Structural Engineering
- Electrical Engineering
- Net-Zero Buildings

Post-Design

- Construction Administration
- Life Cycle Cost Analysis
- Value Engineering
- Post-Occupancy Evaluation

As ZMM looks to the future, we remain committed to providing high-quality, client-focused design solutions that meet budget and schedule requirements. We listen, respond promptly with innovative and efficient solutions, and deliver quality projects and develop lasting relationships. Because at ZMM, it's about more than architecture, it's about building your legacy.

AWARD WINNING DESIGN

2020
AIA West Virginia Chapter: Merit Award
Achievement in Architecture for New Construction
Mountain Valley Elementary School
Bluefield, West Virginia

AIA West Virginia Chapter: Merit Award
Achievement in Architecture
Ridgeview Elementary School
Crab Orchard, West Virginia

2019
AIA West Virginia Chapter: Honor Award
AIA West Virginia Chapter: Citation Award
AIA West Virginia Chapter: People's Choice Award
Charleston Coliseum & Convention Center
Charleston, West Virginia

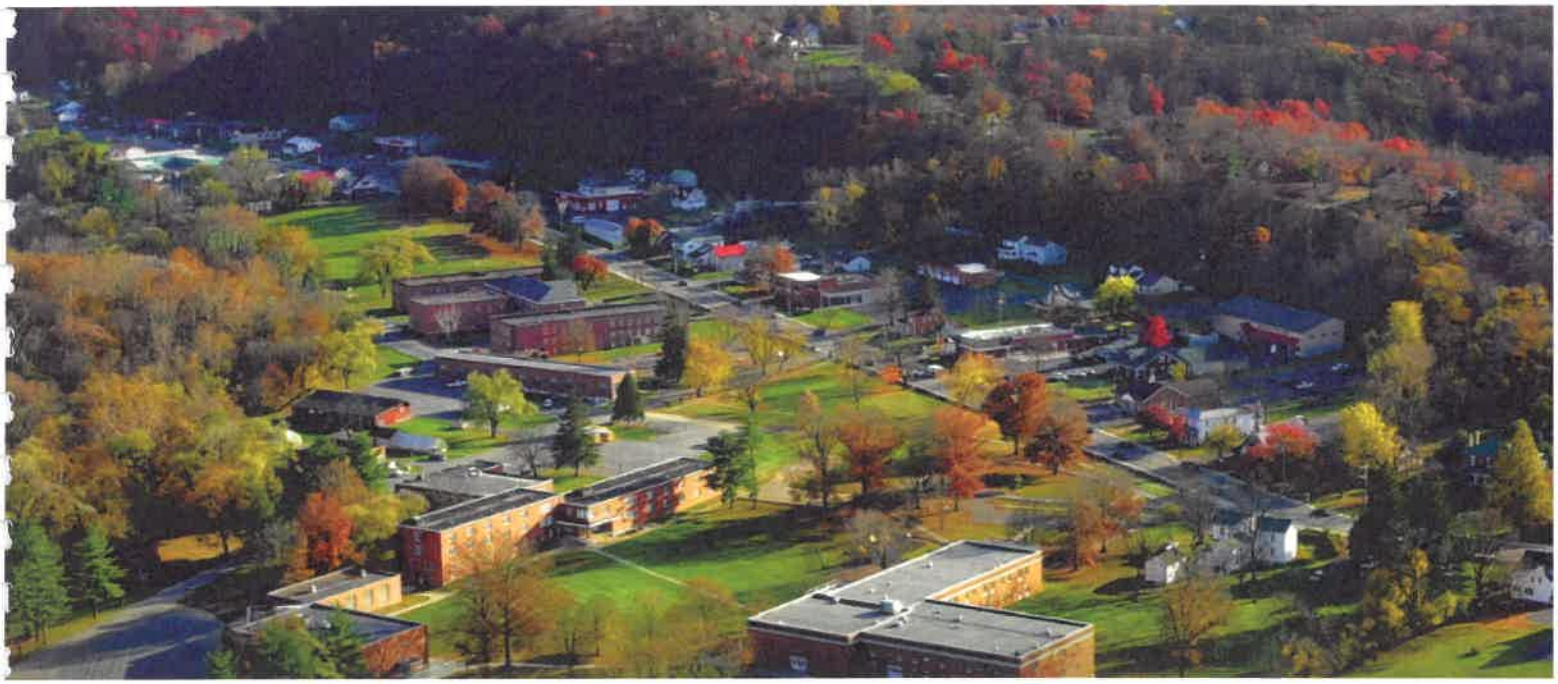
2018
AIA West Virginia Chapter: Citation Award
Unbuilt Project
Charleston EDGE
Charleston, West Virginia

2017
AIA West Virginia Chapter: Merit Award
Achievement in Architecture
Explorer Academy
Huntington, West Virginia

AIA West Virginia Chapter: Merit Award
Achievement in Sustainability
Logan - Mingo Readiness Center
Holden, West Virginia

2016
AIA West Virginia Chapter: Merit Award
Achievement in Architecture in Interior Design
Christ Church United Methodist
Charleston, West Virginia

ZMM ARCHITECTS ENGINEERS



2.

PROJECT APPROACH

PROJECT APPROACH

Project Understanding
Based upon our extensive renovation experience, ZMM Architects and Engineers has developed comprehensive assessment tools for building renovation projects and we would employ our knowledge developed on other recent renovation projects to your benefit. ZMM also understands that the following issues specific to the campus need to be investigated to help fully develop/reconcile the scope and budget for the project.

- Renovations to include masonry repair, a new secure entrance and laundry space as well as window and plumbing upgrades at Keller Hall
- Renovations to the Maintenance Building including laundry room upgrades and sectional garage door replacement
- Running track repairs and upgrades to the existing surface and infrastructure
- New 7,500 square foot storage building



West Virginia Schools for the Deaf and the Blind
Achieve. Challenge. Thrive.

Project Approach
As a full-service design firm, ZMM employs all disciplines in-house to undertake the maintenance projects outlined in the request for expression of interest. If selected to provide services for the project, ZMM would set up teams under the direction of Project Principal David Ferguson, AIA. Mr. Ferguson has considerable experience and a history of working closely with the West Virginia Schools for the Deaf and the Blind. The team would also include architectural team members, Senior Architect Chris Campbell, AIA, and Project Architect Daniel Banker, AIA, to serve as project architects for the architectural aspects of the Keller Hall and Maintenance Building renovations as well as other project goals. The engineering will be led by Senior Mechanical Engineer John Pruett, PE, to undertake mechanical upgrades to this project, as well as plumbing. Frankie Kantsios, PE, electrical engineer, will head up the electrical efforts. This approach will provide WVSDB with a single, central point of contact for the design work, while simultaneously allowing all of the work to progress on time and within budget.

Renovation projects require a unique approach. The most significant challenge with a complex renovation project is clearly identifying all of the required needs, including code related items, and then verifying that the scope can be completed within the available budget. ZMM will ensure that this scope identification occurs by conducting a detailed investigation of the existing facility with a team of architects and engineers. ZMM would commence the project by meeting with your representatives at the WV Schools of the Deaf and the Blind and their team to discuss the building condition, scope, and vision for the project. The team would also review any historic documentation and existing drawings that exist of each facility.

Following the kick-off meeting, ZMM would conduct the detailed investigation of each facility with our team that would include (at a minimum) the project principal, an architect, structural engineer, plumbing engineer, electrical engineer, and mechanical engineer. The investigation would include (but not be limited to) the following.

- Life Safety and Egress (Coordinated with the State Fire Marshal)
- Existing ADA Conditions
- Existing Floor Plans
- Building Structural Systems

ZMM ARCHITECTS ENGINEERS

- Plumbing/Drainage Systems
- Electrical Service and Distribution
- Mechanical Systems

Based upon the field investigation, ZMM will develop recommended solutions with a focus on durability and maintainability. Itemized cost estimates will also be developed for various options.

The recommendations and estimates will then be reviewed with the WV Schools for the Deaf and the Blind to develop a strategy to implement the required scope of work. The result is an assessment that has been reviewed by all project stakeholders and all review agencies, ensuring that the scope of work and budget have been resolved prior to proceeding into the construction document and bidding phase.

Once the strategy is developed and agreed upon, ZMM will coordinate the plan with the authority having jurisdiction (WV State Fire Marshall's Office) regarding egress while the improvements are being made. Documentation of this coordination would be recorded to avoid any issues during the construction phase. ZMM would then commence with developing contract documents (bidding and construction documents) for the improvements.

ZMM commits to delivering both the initial assessment and final bid documents within the time frame set forth by the project criteria. Our ability to provide all services in-house allows us optimum control of the design schedule and has led to a history of successful performance on projects with challenging schedules.

ZMM will continue to provide services with the same team during the bidding phase. Our team will attend the pre-bid meeting and assist in answering all bid questions.

The efforts of ZMM's architects and engineers will continue through the construction phase until the final completion of the project. ZMM will have a continued focus on quality throughout the construction phase by utilizing a dedicated construction administrator to coordinate the design team's effort throughout the construction process. The architects and engineers on the design team will also provide construction phase services including observation, responding to contractor questions, review of project submittals, attend progress meetings, make interim site visits, and provide substantial and final completion inspections. This approach will improve the communication and coordination between ZMM, the WV Schools for the Deaf and the Blind, and the contractor, and will ultimately lead to an improved construction phase. ZMM also recommends an 11-month inspection to ensure the integrity of the completed improvements.

ZMM will keep accurate records during construction and require the contractor to note any changes during the daily construction process. After the construction is complete, ZMM will meet with the contractor to review any final modifications and then complete any changes into a final set of documents for the owner to keep as well as requiring the contractor to furnish the owner a set of operational manuals with contacts and warranty information.

Project Goals

The West Virginia Schools for the Deaf and the Blind and the West Virginia Board of Education have established goals and objectives for the projects listed below. ZMM will follow the project approach as outlined above; review design solutions / discuss manufacturer / product preferences with WVDE project representatives, prepare bid documents, manage the bidding process, perform construction administration, and include the following steps for each project.

Goal/Objective #1: Design and construct a 7,500 square foot storage building. To achieve this goal and objective, ZMM will document and review existing conditions to avoid unnecessary utility disturbance. ZMM also recommends obtaining a topographic survey to determine the best location and orientation, and geotechnical investigation to evaluate existing subsurface conditions and provide site specific design recommendations for the building's foundation system.

Goal/Objective #2: Design and install running track repairs and upgrades to the existing track surface and supporting infrastructure. To achieve this goal and objective, ZMM will document and review existing conditions. ZMM will meet with project stakeholders to discuss the best materials and modifications to meet the school's need and budget.

Goal/Objective #3: Design and install sectional garage door replacements and renovate the laundry area at the Maintenance Building. To achieve this goal and objective, ZMM will document and review existing conditions. ZMM will review with project stakeholders the desired goals and outcomes. Renovation scope, project timeframe, and project budget will be reviewed with project stakeholders to determine the best path forward.

ZMM ARCHITECTS ENGINEERS

Goal/Objective #4: Design and install a new laundry space on the ground floor, update the plumbing infrastructure as required, replace exterior windows, perform masonry repairs and build a secure entrance at Keller Hall. To achieve this goal and objective, ZMM will document and review existing conditions including egress, fire suppression, and space usage to provide project stakeholders with options to best utilize additions and renovations. Exterior window design concepts will be presented to project stakeholders to select the exterior design aesthetic for the building. Masonry repairs will be evaluated based upon need and budgetary pricing developed to determine the project scope.

ZMM's experience working with WVSDB

Through many projects and over many years, ZMM has accumulated broad knowledge and experience of the existing facilities of the West Virginia Schools for the Deaf and the Blind (WVSDB) and are proud to have assisted in improvements to the aesthetic quality of the campus.

ZMM has and continues to work with the campus administration and staff on the projects listed below.

Blue and Gold Building Renovation (target completion November 2024)

This project saw the complete renovation of this pre-Civil War single-story building and prepared it for its new life as administration offices and student activity spaces. The work included all new building systems consisting of plumbing, HVAC, electrical, data/communications, fire alarm, and fire suppression. The project also included extensive rework of adjacent utilities including storm, sanitary, water and fire hydrant lines.

Campus Upgrades (target completion 2025)

After the Administration Building burned, the school and community felt that the now vacant space on campus deserved special consideration. ZMM was brought on to do an extensive rework of the school's entrance around the site of the old Administration Building and add a new memorial to remember this historic building and commemorate the previous students that called the school home. This project also included an outdoor classroom and greenhouse and extensive utility improvements at both the entrance and quad.

P.E. Building Window and Roof Replacement (target completion December 2024)

This project replaced all the existing glass block windows with stunning new aluminum storefront featuring tinted grey and blue glazing. Alongside the windows, the building also received all new interior and exterior doors, a new EPDM roof with improved insulation as well as an asbestos abatement that allowed for the installation of new LVT flooring in various rooms.

Keller Hall Reroof (completed Spring 2024)

This project encompassed a new EPDM roof and improved insulation as well as new scuppers and roof ladder.

Keller Hall Kitchen and Building Renovations (Completed 2019)

This project included renovation of the ground floor to house a new commercial kitchen for the dormitory and renovations to exterior doors, interior finishes, and exterior site ramps.

Seaton Hall Renovations and New Walk-in Freezer (Completed in 2019)

The project included new exterior ADA ramps, exterior stairs, and construction of a new walk-in freezer.

ZMM
ARCHITECTS
ENGINEERS

3.

RELEVANT EXPERIENCE

WEST VIRGINIA SCHOOLS FOR THE DEAF & THE BLIND

LOCATION	SIZE	COMPLETION	COST
ROMNEY, WV	300,000 SF	2019	$2M

Per the direction of the WV Board of Education and the WV School Building Authority, the West Virginia Schools for the Deaf and the Blind completed the task of creating a Comprehensive Educational Facility Plan (CEFP).

ZMM combined forces with Dickinson & Partners, a firm specializing in special-needs architecture, to understand the requirements and challenges faced when designing for the deaf and blind student population. The purpose of the CEFP is to provide the owner a long-range plan that addresses the requirements for new construction and major renovations. Comprehensive planning is a way of identifying the best route to the future through a workable plan for handling priority-related and anticipated changes. The CEFP defines ultimate goals for the institution and accounts for the facilities required to achieve these goals. The goals are defined, then realized through several phases of construction, if necessary.

Once the planning effort was complete, ZMM designed several improvements that were implemented by the WVSDB and the Department of Defense. The scope of work included restroom and dormitory renovations, as well as masonry restoration and roofing replacement.

WV SCHOOL OF OSTEOPATHIC MEDICINE

LOCATION
LEWISBURG, WV

SIZE
VARIOUS

COMPLETION
ONGOING

The Main Building for the West Virginia School of Osteopathic Medicine was originally built in the 1920's with numerous additions and alternations over the years.

The Main Building was built with 5 major pods and enclosed corridors connecting the pods into one large multistoried building that includes offices, classrooms, library, and meeting rooms. The building's brick and stone exterior is old, some more that 90 years old, and exhibits deterioration from the effects of exposure to the exterior elements.

The brick and stone exterior shows deterioration of the mortar joints and various cracks from expansion and contraction from temperature change and freezing. The steel lintels above doors and windows exhibit rusting, some have rusted enough to cause structural damage to brick or concrete header. Concrete, cement plaster elements along with metal flashing also show some deterioration and are in need of repair. ZMM produced construction documents to clean and repair all deteriorated portions of the building's exterior. These documents show all the building's exterior condition and include details, specific repair instructions and quantities of repair work for the entire building.

In 2021 the Main Building received a roof replacement.

ZMM ARCHITECTS ENGINEERS

WV School of Osteopathic Medicine (cont.)

Robert C. Byrd Clinic: Interior Renovation
The interior renovation to the Robert C. Byrd Clinic, a non-profit organization affiliated with WVSOM. The project includes renovation of 1,075 SF of existing administrative area which included two offices and a large open office area. ZMM renovated this area to provide three offices and paired exam rooms along with a reception area and waiting room for psychiatric / behavioral health services. Reworking of the existing building systems; HVAC, electrical, lighting and fire suppression systems were also included in the scope of work. The Robert C. Byrd Clininc also had a roof replacement.

Main Building and Robert C. Byrd Clinic: Waterless Fire Suppression
Another project ZMM completed was the addition of a waterless fire suppression system for the server rooms in the Main Building and the Center for Technology and Rural Medicine. The renovation included sealing the interior perimeter of each server room and the installation of a fire suppression system that protected inside the room, above the acoustical ceiling and below the raised computer floor. The new system connected to the existing fire alarm control panel, has disconnects that shut down air conditioning units, and are connected to a roof mounted exhaust fan for purging the room after discharge.

Tech Center Expansion - Testing Center
The Testing Center is designed to accommodate 220 students and will connect the Center for Technology and Rural Medicine (Tech Center) and the Clinical Evaluation Center (CEC). The main Testing Center space is being designed to support student achievement by limiting visual and auditory distractions. The interior environment is also designed to create a calming or contemplative space for WVSOM students. The Testing Center has two entry vestibules on either side of a registration desk, which is separated from the proctor area by a technology room. The project includes reconfiguring office space in the Tech Center for Pre-Clinical Education and Information Technology, while the addition provides expansion office space for Information Technology and new offices for the Exam Center.

Additional Projects:
Facilities Master Plan
Green Space at Campus Entry
Alumni Center - HVAC and Roof Replacement
Stookey Library - Roof Replacement
Tech Center - Natural Gas Generator

BRIDGEVALLEY COMMUNITY & TECHNICAL COLLEGE DAVIS HALL

LOCATION	SIZE	COMPLETION	COST
MONTGOMERY, WV	77,215 SF	2012	$4M

ZMM was selected by BridgeValley CTC and the WV Community and Technical College System to provide architectural and engineering design services for the renovation of Davis Hall.

Davis Hall is a classroom and laboratory facility originally constructed in 1970 for WVU Tech. The exterior consists of architectural pre-cast concrete panels and a curtain wall system. The interior includes an open, two-story atrium, large auditorium, and five levels of office and classroom space that are constructed of demountable partitions. Prior to commencing the design effort, ZMM completed a thorough assessment of the facility. The assessment revealed significant life-safety concerns that were not previously identified, including the use of non-plenum rated plastic insulated wiring throughout the return air plenums, mechanical units located above ceilings in exit stairs, and a lack of adequate fresh air for building occupants. As part of this initial assessment, ZMM assisted in developing a scope of work for the renovation project, as well as a long-range plan for future improvements.

The scope of the renovation included life-safety upgrades (replacing non-plenum rated wiring and fire alarm system), improvements to the building envelope (replacing curtain wall and roofing), hazardous material abatement, mechanical improvements (replacing boiler, chiller, and outdoor air ventilation system), and interior improvements (replacing ceilings and lighting, upgrading furnishings).

ZMM ARCHITECTS ENGINEERS

MARSHALL UNIVERSITY
MULTIPLE PROJECTS

LOCATION
HUNTINGTON, WV

SIZE
VARIOUS

COMPLETION
ONGOING

ZMM has significant experience providing Architectural and Engineering services to Marshall University.

Smith Hall Renovation
This 22,000 SF renovation project was completed in 2017 and included interior finish and acoustical upgrades to improve the quality of the music practice rooms and additional performance areas. ZMM worked closely with Marshall University professors to determine the correct acoustics to meet the accreditation needs for the college. Taking inspiration from The Thundering Herd, the building was transformed with a mature palette and pops of green. Interior improvements included replacement of ceilings in areas that were affected by the HVAC replacement. Existing ceilings in the practice rooms received a sound blanket barrier and acoustical coating to improve the performance of the space. Paint, carpet and acoustical wall treatments were also installed.

Mechanical system improvements were implemented to correct issues of the aging HVAC system, which was a high-energy user. ZMM converted the system to VAV by installing terminal units with SCR electric reheat. A smaller electric coil provided enough electrical capacity to power the terminal reheat. ZMM retained the fan wall and chilled water coil and installed DDC controls. Dehumidification was provided by a gas-fired humidifier to maintain stable humidity. Additional projects at Smith Hall Include:

- Building Assessment
- Cooling Tower Replacement
- Underground Chilled Water Piping

ZMM ARCHITECTS ENGINEERS

Marshall University (cont.)

- Retrofit AC Smith Hall Music Building - Dual Duct VAV Humidified Building

Drinko Library
- Mechanical and Electrical Assessment in 2022
- Cooling Tower

Morrow Library
- Underground Chilled Water Piping

IT/OT Security OP Center
- Development of the New Cyber Security Command Center

Sorrell Maintenance Building
- Air Conditioner Replacement

Applied Engineering Building
- Chiller Consulting

Pritchard Hall
- Chiller Replacement

BRIDGEVALLEY COMMUNITY & TECHNICAL COLLEGE DAVIS HALL

LOCATION	SIZE	COMPLETION	COST
MONTGOMERY, WV	77,215 SF	2012	$4M

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The scope of the renovation included life-safety upgrades (replacing non-plenum rated wiring and fire alarm system), improvements to the building envelope (replacing curtain wall and roofing), hazardous material abatement, mechanical improvements (replacing boiler, chiller, and outdoor air ventilation system), and interior improvements (replacing ceilings and lighting, upgrading furnishings).

WINDOW EXPERIENCE

WV State Office Buildings 5, 6, & 7
Cedar Lakes Conference Center
BridgeValley Community & Technical College
Cabell County Board of Education Office
Mason County Board of Education Office
General Services Administration
Tiskelwah Center
WV Rehabilitation Center
Hamlin Middle School
Hamlin PK-8 School
Culloden Elementary School
Ona Elementary School
Geneva-Kent Elementary School
Altizer Elementary School
Salt Rock Elementary School
Meadows Elementary School
Dunlow Elementary School
Peyton Elementary School
Richwood High School
Ranger Elementary School
USPS Spencer
CURA
DBHDS Catawba Hospital
Lincoln County Board of Education McDowell
City CIAD
Athens Elementary School
Bluefield Middle School
Glenwood Elementary School
Melrose Elementary School
Montcalm High School
Sun Valley Elementary School
Critzer Elementary School
Pulaski High School
USPS Altavista MPO
Appalachian Regional Hospital - Whitesburg

ZMM ARCHITECTS ENGINEERS

CABELL COUNTY TRANSPORTATION COMPLEX

LOCATION	SIZE	COMPLETION	COST
HUNTINGTON, WV	21,950 SF	2014	$7.5M

The Cabell County Transportation Complex is located on the site of the old Cox Landing Junior High School. Challenges on the project involved retrofitting the old school and site to accommodate the new use.

A small portion in the rear of the building was removed, and storage rooms and a link to the new bus maintenance facility were added. The high-bay bus maintenance facility accommodates fourteen buses. This full-service metal garage is outfitted with lifts and all services to make this a state-of-the-art facility. Along with the new service bays the building includes both automatic and manual bus-washing facilities. Site amenities include parking with charging locations for every bus, along with parking for dormant buses on standby. There is also a fueling station for all bus traffic.

The existing school facility was renovated into the transportation administration area, along with conference rooms, driver break rooms, and rest rooms for staff and drivers. The building also plays host to a Staff Development room that is designed with technology and distance learning capability. This will accommodate all bus drivers at one time for training and safety seminars. Principals and teachers throughout the county can also use this for a staff training facility.

ZMM ARCHITECTS ENGINEERS

GENERAL SERVICE DIVISION SURPLUS PROPERTY

LOCATION	SIZE	COMPLETION	COST
DUNBAR, WV	19,250 SF	2016	$4M

This project consists of a 19,250 SF pre-engineered metal building storage facility that includes 5,000 SF of administrative space.

The property originally had multiple structures that were scattered throughout the site. The layout of the buildings created a variety of issues for Surplus Property, and made it difficult for them to operate efficiently. The new pre-engineered metal building replaced the existing structures, which were located in the floodplain, and addressed several site issues, including proper drainage, traffic flow, and correct floor elevations in regard to current floodplain requirements. Since the existing site contained a large amount of fly ash, ZMM employed a unique approach to constructing the foundation system. Instead of completing a full excavation of the site, ZMM recommended installing the foundations by selectively demolishing the existing pavement to allow for the installation. This improved constructability, and led to an enhanced construction process.

The exterior of the pre-engineered building was designed to reflect the branding of the state agency, and the demolition of the existing structures, along with the new construction, was phased to maintain continuous operation of the facility.

ZMM ARCHITECTS ENGINEERS

WV STATE OFFICE BUILDINGS 5, 6, & 7

LOCATION
CHARLESTON, WV

AWARDS
2011 AIA WV MERIT AWARD

Nearly 50 years ago, ZMM (as Zando, Martin & Milstead) designed the original West Virginia State Office Buildings 5, 6, and 7.

Over the past decade, ZMM has been assisting the State of West Virginia General Services Division with various improvements to the buildings. The improvements commenced with an overall building assessment that examined the condition of the buildings, as well as cost and phasing options for implementing various upgrades. Improvements that have been undertaken have ranged from substantial renovations to maintenance and repair projects, and include:

Major Renovations: ZMM Architects & Engineers provided design services for the renovation of the 10th Floor of Building 5 for the Office of Technology - a project that was recognized with a design award from the West Virginia Chapter of the American Institute of Architects. The project focused on demonstrating the potential that exists in State Office Buildings 5 and 6 if the floors are renovated in a more contemporary manner that moves the open office spaces to the perimeter, and pulls the offices adjacent to the building core. The project also involved close coordination with the State Fire Marshal, the introduction of a sprinkler service and fire pump into the building, demolition, hazardous material abatement, and FF&E coordination. The project was delivered considerably under the anticipated project budget.

ZMM ARCHITECTS ENGINEERS

WV State Office Buildings 5, 6 & 7 (cont.)

The next phase of the renovation involved floors 7, 8, and 9 of Building 5 and floors 7 and 8 of Building 6. All of these floors have been fully renovated, including abatement, demolition, new construction, and updated life safety systems. ZMM has also provided design services for the renovation of the 2nd, 3rd, and 4th Floors of Building 6 for the Department of Education and Division of Personnel.

Roof Replacement: ZMM assisted the General Services Division with a roof replacement for all three buildings, utilizing a white EPDM roofing material, with consideration being given to sustainability. The existing ballast, roof membrane, and rigid insulation were also salvaged as part of the roof replacement project. Several unused mechanical penthouses, antenas, and other abandoned equipment were also removed.

Electrical Courtyard Improvements: ZMM Architects & Engineers assisted the General Services Division with a project to expand the electrical courtyard adjacent to Building 7, and simultaneously improve the electrical service entry to buildings 5, 6, and 7. This project required both historical (matching the existing granite panels), as well as very technical electrical engineering design considerations.

Door and Window Replacement: ZMM has assisted with two separate projects, one to replace the windows in Buildings 5 and 6, and the second to replace the doors at the entries to Buildings 5, 6, and 7. The window replacement included over 1,200 windows, as well as decorative extruded metal screen. These projects included building envelope and security considerations. The projects were designed and staged to minimize disturbance to the buildings' occupants.

Caulk Replacement: ZMM provided design services to remove and replace all of the caulk located between the limestone and precast panels on the exterior of Buildings 5, 6, and 7. The project also included cleaning of the building's exterior along with some repair work. The project was coordinated with the Capitol Building Commission.

Valve Replacement: ZMM assisted with a valve replacement project to isolate mechanical risers in Building 5 and 6. This technically intensive mechanical project gave the General Services Division greater control over the system, and helped to isolate various risers in the event of significant system failures in the future.

MONARCH STADIUM, CONCESSIONS & FIELDHOUSE

LOCATION
MOUNDSVILLE, WV

COMPLETION
2020

COST
$14M

ZMM Architects and Engineers completed a complete renovation of the John Marshall Stadium Complex in Moundsville, WV

The project consisted of three phases:

- Phase One consisted of the complete demolition of the stadium entrances, home-side stands, field lighting and playing surfaces including the track. With the assistance of Field Turf, Stadium Solutions and Musco Lighting the playing surface, home stands, field lighting and pressbox were demolished and replaced in approximately six months.

- Phase Two consisted of the replacement of the visitor side stands and track. Also completed were new stadium entrances and ticket booths, a new restroom / concession building, new fieldhouse and handicapped pressbox access. The track and field shot-put and discuss areas were also completed during this phase.

- Phase Three consisted of the demolition of an existing storage facility. After demolition, a new storage facility was created at another site, along with redesigned parking and lighting. This phase also included a pedestrian linkage from the new parking area to the existing basketball fieldhouse.

ZMM ARCHITECTS ENGINEERS

GALAX HIGH SCHOOL FOOTBALL FIELD & STADIUM

LOCATION
GALAX, VA

COMPLETION
2017

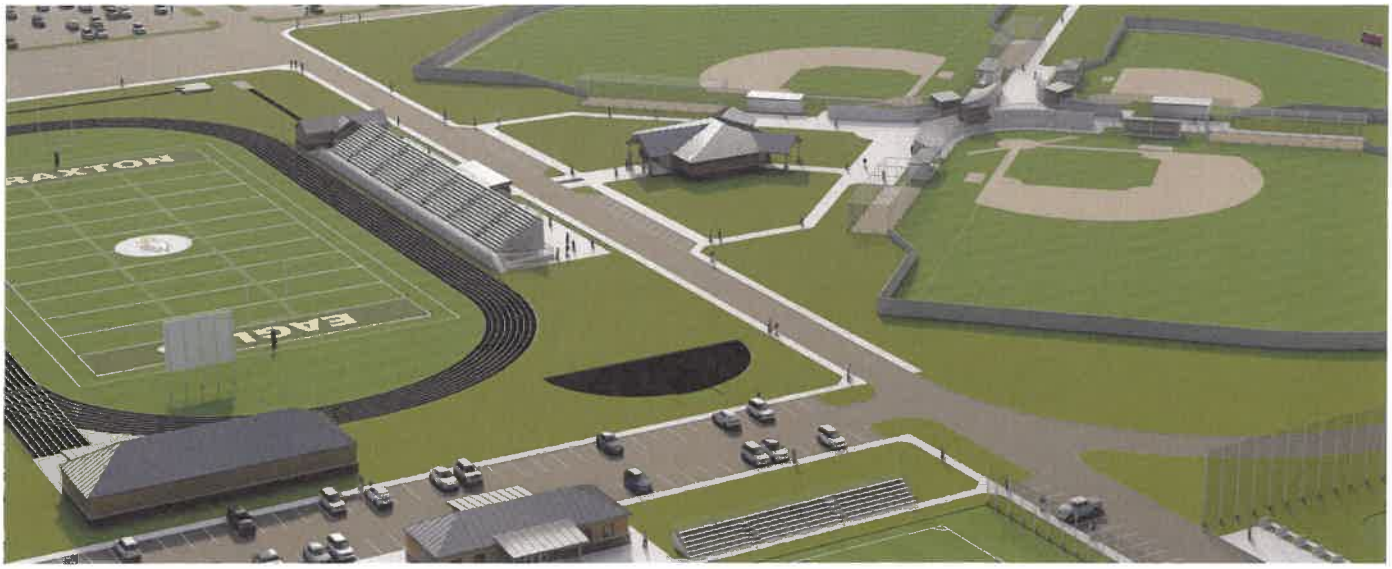
COST
$879K

Stadium renovations at Galax High School began with a track rehabilitation and resurfacing project which also included new field lighting for the natural turf field.

The existing natural turf field was used for multiple sports and was worn, difficult to maintain, and had drainage issues. A new synthetic turf field was installed within the rehabilitated track without damaging the new track surface.

A concrete curb was installed between the track surface and the synthetic turf to protect the track, as well as provide a clean border. The stormwater management system for the field is located under the synthetic turf, due to the compact nature of the site and the desire to preserve as much parking and athletic areas as possible. The field was designed with permanent striping included in the synthetic turf for both soccer and football. The goalposts selected were also multi-sport as they accommodate both football goalposts and soccer goals.

ZMM
ARCHITECTS
ENGINEERS



BRAXTON COUNTY ATHLETIC COMPLEX

LOCATION	SIZE	COMPLETION	COST
BRAXTON CTY, WV	283,000 SF	TBD	$120M

Creating opportunities for athletic competition, economic development, and healthy lifestyles, while building a brighter future in the heart of West Virginia.

ZMM performed a feasibility study, preliminary design, and cost estimating. This $120 Million Indoor/outdoor sports complex would be located in Braxton County.

This multi-sports complex would provide an updated venue to include every sport currently offered in the county. The facility provides flexibility to host sports and large special events. Community members of all ages will be able to utilize the complex and central West Virginia will now be able to host tournaments that will boost local business.

Complex elements include:

- Stadium (4,000 seats)
- Gymnasium (3,000 seats)
- Auxiliary Gym (350 seats)
- Elevated Running track
- Wrestling Rooms (2 Mats)
- Weight Room
- Aquatics Center
- Competition Pool
- Leisure pool

ZMM ARCHITECTS ENGINEERS

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SHAWNEE PARK MULTI-SPORT COMPLEX

LOCATION	SIZE	COMPLETION	COST
DUNBAR, WV	100 ACRES	2018	$15M

The Shawnee Park Multi-Sport Complex is a travel tournament destination for soccer, lacrosse, baseball, and softball, as well as a resource for local athletic teams.

The multi-sport complex site is over 100 acres, located near Dunbar and Institute, WV. The complex includes six artificial-turf collegiate soccer/ lacrosse fields and four artificial-turf, collegiate-size baseball fields.

The complex also contains an expansive grass field area. The artificial turf fields accommodate multiple age groups with movable mounds, bases, outfield fences, and goals. The grass fields will be lined as required by the tournaments. The clover baseball field layout includes a center structure with restrooms, concessions, and a second-story press box to view all four fields. A welcome center structure with concessions and restrooms is located near the parking area. An over 600-space parking lot is also dedicated to the facility.

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ZMM ARCHITECTS ENGINEERS

4.

TEAM QUALIFICATIONS

DAVID FERGUSON

AIA, REFP

Principal

Mr. Ferguson has served in the capacity of Architect, Project Manager, and Principal in Charge for a variety of projects at ZMM. This experience includes Educational (PK-12, Vocational and Higher Education), Retail, Corporate Office, Industrial, Military, Medical Office Facilities, General Healthcare Hospital and Psychiatric Hospital Projects. Mr. Ferguson's responsibilities include programming, design, documentation, architectural/engineering coordination and construction administration.

Mr. Ferguson is a Recognized Educational Facility Professional (REFP) and has been involved in planning, designing and the construction of over 200 educational facilities in West Virginia. As the architect for the first "green" school building in West Virginia Mr. Ferguson has been an advocate for sustainable design and was involved starting the first US Green Building Chapter in West Virginia.

EDUCATION

Bachelor of Science
West Virginia State University, 1979

LICENSURE

West Virginia, Ohio

AFFILIATIONS

WV Chapter, American Institute of Architects, Past President

WV Chapter, American Institute of Architects, Member

Recognized educational Facility Planner (REFP) by the A4LE

A4LE Southeast Region Board of Directors - WV State Governor

Professional Member, US Green Building Council

PROJECT EXPERIENCE

WV Schools for the Deaf and the Blind - Romney, WV
- Comprehensive Educational Facilities Plan
- Campus Master Plan
- Seaton Hall Emergency Repairs
- Blue and Gold Building Renovations
- Arnold Hall Renovations
- Keller Hall Renovations

Marshall University - Huntington, WV
- Smith Hall Music Room Renovation
- Smith Hall Boiler Replacement
- IT/OT Security OP Center

WV State University - Institute, WV
- Campus Master Plan
- Proposed Research Lab Building
- Sullivan Hall renovations
- Hamblin Hall Elevator Renovations

Southern WV Community College - WV
- Advanced Technology Center - Williamson, WV
- Multiple Science Lab Renovations - Williamson, WV
- Science Lab and Multiple Classroom Additions - Hamlin, WV

WV Institute of Technology - Montgomery, WV
- Advanced Technology Center - Williamson, WV
- Multiple Science Lab Renovations - Williamson, WV
- Science Lab and Multiple Classroom Additions - Hamlin, WV

Woody Williams Center for Advanced Learning - Barboursville, WV

ADAM KRASON

AIA, LEED AP, ALEP

QA/QC

Mr. Krason has served in the capacity of Architect and Project Manager for a variety of projects at ZMM. This experience includes Military, Educational (K-12 and Higher Education), Office, Justice (Courthouses, Correctional, Justice Centers), and Multi-Unit Residential projects. Mr. Krason's responsibilities include programming, design, documentation, coordination of the architectural and engineering team, as well as construction administration. Mr. Krason began his career in 1998, working on a variety of educational, commercial office, and correctional projects throughout Ohio, West Virginia, and North Carolina.

Mr. Krason has been an advocate of sustainable design and energy efficiency and has participated and presented at sustainable design seminars throughout the region. Mr. Krason also serves as President/ CEO and serves on the Board of Directors and is responsible for firm management, business development, and corporate philanthropy at ZMM. In addition to his role at ZMM, Mr. Krason is actively engaged in the community, serving on a variety of statewide and local civic and non-profit boards.

EDUCATION

Bachelor of Architecture
The Catholic University of America, 1998

Bachelor of Civil Engineering
The Catholic University of America, 1997

LICENSURE

Virginia, West Virginia, Ohio, Kentucky, Maryland, New Jersey, North Carolina, Louisiana

AFFILIATIONS

Association for Learning Environments

WV Board of Architects, President (2019 - Current)

American Institute of Architects, Strategic Council (2022/23)

Charleston Area Alliance, Board Chair

Goodwill Industries of Kanawha Valley, Past Board Chair

Clay Center, Board of Directors

WV Symphony Orchestra, Board of Directors

Charleston Urban Works, Board of Directors

Charleston Municipal Planning Commission

Charleston Historic Landmarks Commission

Education Alliance Board Chair (2022/23)

PROJECT EXPERIENCE

Jackson County Schools - Jackson County, WV
- **Ravenswood Middle School**
- **Cottageville Elementary School**
- **Kenna Elementary School**
- **Ripley Middle School Renovation**
- **Roane-Jackson Technical Center**

Kanawha County Schools - Kanawha County, WV
- **Edgewood Elementary School**
- **Mary C. Snow (West Side Elementary)**
- **Cedar Grove Elementary School**
- **Clendenin Elementary School**

Wood County Schools - Wood County, WV
- **Wood County Career and Technical Center**
- **Williamstown Elementary School**
- **Williamstown High School Renovation**

BridgeValley CTC - Montgomery, WV
- **Davis Hall Renovation**
- **Master Plan**

Southern WV CTC Master Plan - Multiple Locations, WV

New River Community and Technical College - Multiple Locations, WV

ZMM ARCHITECTS ENGINEERS

CHRIS CAMPBELL

AIA, LEED AP

Senior Architect

Mr. Campbell joined ZMM in November of 2017. Prior employment experience includes serving in the capacity of Architect and Project Manager for a variety of projects. This experience includes Educational (K-12 and Higher Education), Commercial Offices, Automotive Dealerships, Justice (Homeland Security and Department of Justice Offices), and religious spaces. Mr. Campbell's responsibilities include programming, design, documentation, coordination of the architectural and engineering team, and construction administration. Project responsibilities comprised all duties from project inception to completion.

Mr. Campbell began his career in 1996 and until 2006 was primarily working on K-12 educational projects throughout West Virginia. From 2006 until present the majority of his projects were Higher Education.

EDUCATION

Bachelor of Architecture
University of Tennessee, 1996

LICENSURE

West Virginia
Virginia

AFFILIATIONS

WV Chapter, American Institute of Architects, Past President (2006-2007)

WV Chapter, American Institute of Architects, Executive Committee (2001-2009)

WV American Institute of Architects, Intern Development Coordinator (2000-2005)

University of Charleston, Interior Design Advisory Board (2014 - 2016)

PROJECT EXPERIENCE

WV Schools for the Deaf and the Blind - Romney, WV
- **Campus Site Upgrades**
- **PE Building: Reroofing, Window and Door Replacements**
- **Keller Hall Dormitory Renovationsand Reroofing**
- **Blue & Gold Building Renovations: Student Activity Center and Conference Center**

Marshall University - Huntington, WV
- **Cyber Security Command Center**
- **Smith Hall Complex Building Assessment and Development Plan**
- **Arthur Weisberg Applied Engineering Complex ***

Southern WV Community & Technical College
- **10 - Year Campus Development Plan**
- **Main Building Toilet Renovations (Williamson Campus)**
- **Fire Alarm Upgrades (Williamson & Logan Campus)**

BridgeValley Community & Technical College
- **Feasibility Study for the Stone & Thomas Building** (Approved for Federal and State Historic Tax Credits)
- **Davis Hall Exterior Envelope Renovations (Montgomery Campus)**

New River Community & Technical College
- **Chiller Replacement and HVAC Renovations (Greenbrier Campus)**
- **Welding Lab Renovations (Greenbrier Campus)**
- **Floor Slab Replacement and Renovations (Greenbrier Campus)**

Roane-Jackson Career & Technical Center - Leroy, WV
- **Plumbing Renovations**
- **New Domestic Water Treatment Plant**
- **New CDL Training / Testing Course**

Woody Williams Center for Advanced Learning - Barboursville, WV

Blue Ridge Community and Technical College New Headquarters Building - Martinsburg, WV *

* Previous Employment

ZMM ARCHITECTS ENGINEERS

DANIEL BANKER

AIA

Project Architect

Mr. Banker has been involved in a wide array of new design and renovation projects that include K-12 education, park facilities, downtown revitalization, accessibility improvements, residential, and historical structures. Leveraging his years of experience and background in structural steel and construction, Mr. Banker brings a wide scope of expertise to every project.

EDUCATION

Bachelor of Architecture
Virginia Polytechnic Institute & State University

Bachelor of Art History
Virginia Polytechnic Institute & State University

LICENSURE

West Virginia, Virginia, Ohio

PROJECT EXPERIENCE

WV Schools for the Deaf and the Blind - Romney, WV
- Blue & Gold Building Renovations
- Keller Hall Reroofing Project
- P.E. Building Door and Window Replacement and Reroof
- Campus Upgrades to Entrance
- New Memorial, Greenhouse and Outdoor Classroom Spaces

Woody Williams Advanced Center for Learning - Barboursville, WV

Jackson County Schools - WV
- Ripley Middle School Renovations

Nicholas County Schools - WV
- New Glade Creek PK-8

Dickenson County Public Schools - VA
- New Ridgeview Elementary School

Frederick County Public Schools - VA
- James Wood Middle School Roof Replacement
- Armel Elementary School Addition and Renovation

Waynesboro Public Schools - VA
- Waynesboro High School Addition and Renovation

Mineral County Schools - WV
- New Frankfort Elementary School

Raleigh County Schools - WV
- Shady Spring Elementary School Addition and Renovation
- Shady Spring High School Addition and Renovation
- Ridgeview Elementary School School design
- Woodrow Wilson High School Window Replacement

Jefferson County Schools - WV
- New Ranson Elementary School
- New Shepherdstown Elementary School
- Washington High School Gymnasium

ZMM ARCHITECTS ENGINEERS

CARLIE RAY

Senior Interior Designer

Carlie serves as an Interior Designer at ZMM. She is a detail-oriented and creative professional with extensive knowledge in interior architecture. Carlie's goal with every project is to create a beautiful and functional environment that suits the client's needs.

As an interior designer, her background includes commercial properties, education, healthcare, historic adaptive reuse, residential properties, existing building renovations, and hospitality design. She has experience managing a variety of project elements: interior space planning, finish and fixture selection, creating concept presentations, rendering 3D models, and producing construction documents to ensure that each project seamlessly transitions from concept to reality.

EDUCATION

Bachelor of Science in Interior Design
West Virginia University, 2017

AFFILIATIONS

NCIDQ Certification ID#35513

West Virginia University - Interior Architecture Advisory Board Member

PROJECT EXPERIENCE

WV Schools for the Deaf and the Blind Renovations - Romney, WV

Cabell County Schools - Cabell County, WV
- **Cabell Midland High School Renovations**
- **Meadows Elementary School**
- **Huntington High School Renovations**
- **Woody Williams Center for Advanced Learning**
- **Cabell County Board Office Renovations**

Kanawha County Schools - Kanawha County, WV
- **Cedar Grove Elementary School**

Jackson County Schools - Jackson County, WV
- **Cottageville Elementary School**
- **Ripley Middle School**

Wayne County Schools - Wayne County, WV
- **Wayne County School - Bathroom Renovations**

Raleigh County Schools - Raleigh County, WV
- **Stratton Elementary School**

Braxton County Schools - Braxton County, WV
- **Braxton County Middle School Gym Renovation**

Nicholas County Schools - Nicholas County, WV
- **Nicholas County High School**
- **Richwood Middle School**
- **Summersville Middle School**
- **Cherry River Elementary School**

Putnam County Schools - Putnam County, WV
- **Poca High School Media Innovation Center Addition**

ZMM ARCHITECTS ENGINEERS

JOHN PRUETT

PE, LEED AP

Senior Mechanical Engineer

Mr. Pruett is responsible for overseeing the design of the HVAC systems, ensuring that the HVAC systems meet the program requirements, and long-term needs of the owner. He performs heating and cooling load calculations and recommends the type of systems to be incorporated into the building. Mr. Pruett coordinates with other disciplines ito integrate the HVAC systems into the building. Mr. Pruett has participated on several LEED registered projects. One of his key contributions to these projects is conducting energy analyses and recommending energy use reduction alternatives. Mr. Pruett began his engineering career with a manufacturing company in 1994. In 1998, he made a career change and joined an engineering consulting firm. He has a broad range of experience in HVAC systems design, including government, education, office buildings, hotels, restaurants, a convention center and several natatoriums. Having served in the Marines for 14 years, Mr. Pruett also led a design team for a "virtual memorial" for the birthplace of the U.S. Marine Corps.

EDUCATION

Bachelor of Science
Purdue University, West Lafayette, IN, 1993

LICENSURE

West Virginia, Virginia, Indiana, Maryland, Louisiana

LEED Accredited Professsional

AFFILIATIONS

American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE), Member

United States Marine Corps – 14 Years

PROJECT EXPERIENCE

WVDNR District 5 Headquarters - Alum Creek, WV

WV State Police Headquarters - So. Charleston, WV

Wood County Resiliency Center - Parkersburg, WV

WV State Capitol Renovations - Charleston, WV

General Services Division Surplus Property - Dunbar, WV

WV Housing Developemnt Fund Office Building - Charleston, WV

Tucker County Courthouse Renovations - Parsons, WV

Gilmer County Courthouse Renovations - Glenville, WV

St. Margaret's Judicial Center 3rd Floor Renovations - Martinsburg, WV

Jackson County Maintenance and Transportation - Ripley, WV

Jackson County EMS Building - Ripley, WV

WV Army National Guard - WV
- **Camp Dawson Building 106**
- **Camp Dawson Building 245**
- **Camp Dawson Building 246**
- **Camp Dawson Building 301**
- **Camp Dawson Mail Facility**
- **Marshall County Readiness**
- **Camp Dawson Job Challenge Academy**

TODD POFF, PE

PE

Structural Engineer

Mr. Poff started as a Civil Engineer. After working in that department for several years, he began moving over to the Structural Engineering Department where his true interest and most of his training lies.

As a Structural Engineer, it is Mr. Poff's responsibility to ensure the safety of the structure's design, as well as any occupants inside those structures. As a member of the design team, Mr. Poff understands that the structural system of a building needs to have the least amount of impact possible on the architectural design and on the way clients use the buildings. It is that kind of teamwork, with all major design disciplines in-house, this allows ZMM to provide our clients with a building design that will not only meet their needs but will be a place they can enjoy for many years to come.

EDUCATION

Bachelor of Science
Virginia Polytechnic Institute & State University, 1987

LICENSURE

West Virginia, Virginia, Ohio, North Carolina

PROJECT EXPERIENCE

Dickenson County Public Schools - Dickenson County, VA

- New Ridgeview Elementary School
- Classroom Addition at Ridgeview Elementary School

Marshall County Schools - Marshall County, WV
- Monarch Stadium, Concessions & Field House Renovations

Wirt County Schools - Wirt County, WV
- Wirt County Middle School Renovations

Wythe County Public Schools - Wytheville, VA

- George Wythe High School Addition and Renovation
- Scott Memorial Middle School Addition to GWHS

Raleigh County Schools - Raleigh County, WV
- Ridgeview Elementary School

Jefferson County Schools - Jefferson County, WV
- Ranson Elementary School
- Shepherdstown Elementary School

Timber Ridge CTEC - Winchester, VA

Mineral County Schools - Mineral County, WV
- New Frankfort PK-4 School

FRANKIE KANTSIOS

PE

Electrical Engineer

As an electrical engineer, Mr. Kantsios is consistently motivated to adapt to the team's needs in assessing and finalizing the project on time. He is an experienced professional with a proven record of managing projects from concept to completion while staying versatile to the specific project at hand. By carrying out engineering and design services for a diverse field of projects since 2013. Mr. Kantsios has expanded his knowledge and understanding of the industry: providing him with the means to meet the clients' needs for each individual program. He has been actively involved in the design of a wide array of new structures and renovations to include K-12 educational buildings, higher education buildings, healthcare facilities, office buildings, banks, restaurants, hotels, automotive dealerships and service centers, apartment complexes and dorms, industrial facilities and warehouses, and athletic facilities. Whether working independently or in conjunction with other architects, engineers, and contractors, Mr. Kantsios excels at creating effective solutions and developing opportunities that further establish organizational goals.

EDUCATION

Bachelor of Science
Old Dominion University, 2019

Associate of Applied Science
New River Community College, 2016

LICENSURE

Virginia, West Virginia, Ohio

PROJECT EXPERIENCE

Dickenson County Public Schools - Clintwood, VA
- New Ridgeview Elementary School

Frederick County Public Schools - Frederick County, VA
- Fourth High School Design

Waynesboro Public Schools - Waynesboro, VA
- Waynesboro High School Addition and Renovation
- Waynesboro New Career and Technical Education Annex

Raleigh County Schools - Raleigh County, WV
- Shady Spring Elementary School Access Road

Wythe County Public Schools - Wythe County, VA
- George Wythe High School Addition and Renovation

Warren County Public Schools- Warren County, VA
- A.S. Rhodes Elementary School Renovations

Mineral County Schools - Mineral County, WV
- New Frankfort PK-4 School Site Design

Jefferson County Schools - Jefferson County, WV
- New Ranson Elementary School
- New Shepherdstown Elementary School

Roanoke City Public Schools - Roanoke, VA
- Ruffner Career and Technical Education Center*

**Previous Employer Experience*

BENJAMIN S. MCMILLAN

PE, LEED AP

Civil Engineer

Mr. McMillian has 15 years' experience and knowledge in land development throughout Virginia. Mr. McMillan has experience in creating site plans and producing reports and specifications for institutional, commercial, residential, utility-scale solar, and one utility-scale wind project. Site plan preparations included layout, utility plans, grading, drainage, stormwater management, and erosion and sediment control.

Mr. McMillan also attends meetings, interacts with clients and contractors, performs various construction administration duties, and visits projects throughout the design and construction phases. Additional experience includes:

- Experienced in land development for institutional, multi-family residential, commercial, industrial, and utility-scale solar projects.
- Knowledgeable of all phases of land development from schematic design through project close-out.
- Complied with and obtained approval from many different municipal and state agencies in multiple states.
- Proficient in AutoCAD Civil 3D and familiar with other engineering design programs such as Autodesk Storm & Sanitary Analysis, HydraFLOW, HydroCAD, Flowmaster, and PondPack.
- Coordinated site designs with other design disciplines including Architects, Landscape Architects, Mechanical Engineers, Electrical Engineers, Structural Engineers, and Geotechnical Engineers.

EDUCATION

Bachelor of Science: Civil Engineering
Virginia Polytechnic Institute and State University, 2007

LICENSURE

West Virginia, Virginia, Kentucky, Ohio

AFFILIATIONS

Registered Professional Engineer

PROJECT EXPERIENCE

Wood County Resiliency Center - Parkersburg, WV

Wood County 911 Center - Parkersburg, WV

WVDNR Tomblin WMA New Visitor Center and Bunkhouse - Logan, WV

West Virginia Regional Technology Building 2000 Parking Loop - Charleston, WV

WV Department of Agriculture Lab Building - Charleston, WV

New River Health - Oak Hill, WV

Salvation Army - Beckley, WV

ZMM ARCHITECTS ENGINEERS

BARROW KOSLOSKY

AIA, NCARB

Architect / Construction Administrator

Barrow currently serves as a Construction Administraor at ZMM. I have a long-tested relationship with being an owner rep at West Virginia Division of Natural Resources Planning Engineering and Maintenance Department, Healthcare, Retail, Mixed Use, Office Up-Fits, K-12 Public Schools, Universities, Charter Schools, and Custom Home clients.

EDUCATION

Masters of Architecture
Virginia Polytechnic Institute and State University, 2002

Bachelor of Science in Architecture/ Engineering Technology, Fairmont State University, 1998

Associate of Science in Architecture/ Engineering Technology, Fairmont State University, 1996

LICENSURE

West Virginia
NCARB Certified
OSHA Certified

PROJECT EXPERIENCE

WV Schools for the Deaf and the Blind - Romney, WV

WVDNR Beech Fork State Park - Cabins - Lavalette, WV

WVDNR Coopers Rock State Park - Cabins - Morgantown, WV

WVDNR Pipestem Resort State Park - McKeever Lodge Renovations - Pipestem, WV

WVDNR District 4 New Headquarters - Beckley, WV

WVDNR Tomblin Wildlife Management Area - New Visitors Center and Elk Observation Tower - Logan, WV

United Bank - Charleston, WV

Jefferson County Schools - Jefferson County, WV

- New Ranson Elementary School
- Shepherdstown Elementary School

Dickenson County Schools - Dickenson County, VA
- Ridgeview Elementary School

Lee County Schools - Lee County, VA
- Elydale Middle School Roof Replacement

Wytheville County Schools - Wytheville County, VA
- Scott Memorial Middle School

5.

CLIENT REFERENCES

E. REFERENCES

Mr. Randy Vaughn
Project Manager
Marshall University
1625 3rd Avenue
Huntington, WV 25755
304.696.6415

Mr. Joe Linville
Chief Facilities Management Officer
Southen WV Community and Technical College
304.896.7366

Mr. Rodney Pell
Executive Director of
Environmental Health, Safety, and Facilities
Mountwest Community & Technical College
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ZMM ARCHITECTS ENGINEERS

May 4, 2022

I am writing this letter to acknowledge the excellent work provided by Adam Krason and ZMM Architects in designing and presenting the BridgeValley Campus Development Plan. After assessing the building inventory and square footage available on our campuses, they formulated and recommended a student to square foot ratio appropriate for the school's programs, enrollment, and resources. The Plan maximizes student opportunities for success and matches the college's long-term goals while maximizing efficiency.

While working with ZMM, we found their representatives took time and listened to the needs of all BridgeValley constituents. From the start of the project to completion, our experience working with ZMM has been nothing but positive. BridgeValley strongly feels that the quality of work, the timeliness of submissions, and attention to detail were exceptional and made ZMM a great group to work with. We look forward to the possibility of working with ZMM again in the future.

Sincerely,

casey sacks

Casey K. Sacks, Ph.D.
President
BridgeValley Community and Technical College

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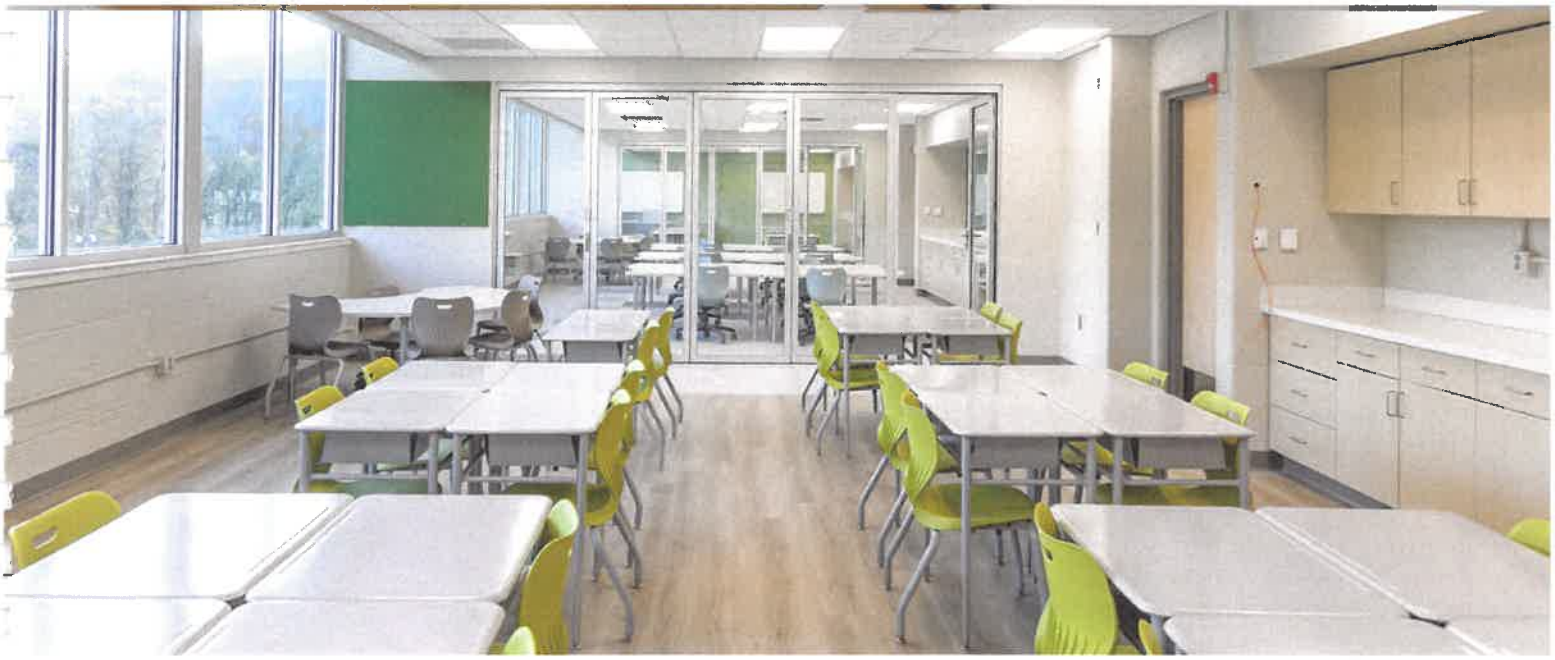

Thank You

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