



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: 1254218			Reason for Modification:
Doc Description: A&E - D5 Forks of Coal Building Renovations			
Proc Type: Central Purchase Order			
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BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
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07/31/23 14:10:15
 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 : Adam Krason

Vendor Contact Phone: 304.342.0159 **Extension:** 234

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

Vendor Signature X  **FEIN#** 550676608 **DATE** 7-31-23

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) Adam Krason, Principal

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

(Phone Number) / (FaxNumber) 304.342.0159 / 304.345.8144

(Email address) ark@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contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise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)

AK

(Signature of Authorized Representative)

Adam Krason, Principal 7.31.23

(Printed Name and Title of Authorized Representative) (Date)

304.342.1059 / 304.345.8144

(Phone Number) (Fax Number)

ark@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)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> 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

7.31.23

Date

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



EXPRESSION OF INTEREST

To Provide Professional
Architecture/Engineering Services:

DISTRICT 5: FORKS OF COAL BUILDING RENOVATION

DNR2400000001
July 31, 2023

ZMM.COM



July 31, 2023

Mr. Josh Hager, Senior Supervisor
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305

Subject: Statement of Qualifications – A/E Services for District 5 Forks of Coal Building Renovation (DNR2400000001)

Dear Mr. Hager:

ZMM Architects and Engineers is pleased to submit the attached information to demonstrate our experience and qualifications to provide architectural, engineering, and construction phase services for the proposed new Office and Storage Building at District 5 Headquarters Forks of Coal. ZMM has extensive experience providing design services at Forks of Coal, including experience in the building currently scheduled for renovation. After the Workman family donated the land to the State of West Virginia, ZMM assisted the West Virginia Division of Natural Resources (WVDNR) with improvements to the existing administrative building (which were implemented in 2017/18) to convert it into the District 5 Headquarters. These improvements included the installation of HVAC units for cooling and humidity control for the adjacent storage area, which is the portion of the complex addressed with this project. Following this initial project, ZMM assisted with the implementation of the adjacent Claudia L. Workman Wildlife Education Center at Forks of Coal State Natural Area.

ZMM understands that the proposed office and storage building (approximately 4,200 SF) would be a continuation of ZMM's previous design effort, and reflect the improvements made at the adjacent District 5 office. Improvements will be primarily an interior fit-up since most of the site infrastructure was included in the previous phases of work. The scope will include walls, ceilings, flooring, plumbing, electrical, and HVAC, as well as doors, windows, and other cosmetic improvements. The project will also include the design and specification of office furnishings. ZMM's recent experience assisting the WVDNR with projects at the Forks of Coal provides our team with the best opportunity to ensure the successful implementation of the proposed renovation project.

Established in 1959, ZMM is a local architecture and engineering firm, and is noted for design excellence and client focus. Our integrated design approach makes ZMM unique among design firms in West Virginia and will help to ensure the quality of the services that we will provide. Additional qualifications of our team include:

Experience.

ZMM has recent experience successfully collaborating with the West Virginia Division of Natural Resources (WVDNR) on the Tomblin WMA project noted above, Claudia L. Workman Wildlife Education Center at Forks of Coal State Natural Area (and the adjacent District 5 Headquarters Improvements), renovations to the McKeever and Mountain Creek Lodges at Pipestem State Park, as well as on the proposed cabins at Beech Fork State Park and Coopers Rock State Forest.

Quality.

ZMM has a history of providing high quality design services throughout West Virginia. The quality of the services we provide is demonstrated by the number of our repeat clients, and the recognition of our work with both statewide and national planning and design awards. In fact, ZMM has been recognized with twenty-four statewide design awards since 2005 by the West Virginia Chapter of the American Institute of Architects – recognition of a commitment to design quality that is unrivaled in West Virginia.

BLACKSBURG
200 Country Club Drive SW
Plaza One, Building E
Blacksburg, VA 24060
540.552.2151

CHARLESTON
222 Lee Street West
Charleston, WV 25302
304.342.0159
ZMM.COM

MARTINSBURG
5550 Winchester Avenue
Berkeley Business Park, Suite 5
Martinsburg, WV 25405
304.342.0159

Most importantly, the ZMM team has worked collaboratively with the West Virginia Division of Natural Resources on a variety of projects. We are hopeful that you observed our commitment to design quality, budget and schedule control, and client service demonstrated on these projects.

Talent.

With over sixty-five employees ZMM provides an integrated design approach by delivering all building related design services including architecture, engineering (civil, structural, mechanical, and electrical), interior design, and construction administration in-house. Our architects, interior designers, and engineers are highly qualified and have worked together to deliver projects with similar scope and complexity.

Thank you for taking the time to review the attached qualifications that includes information about our firm history, ZMM's project approach, relevant project experience, team member qualifications, and references. Additionally, please visit our website at zmm.com to see the full range of projects that we have designed, and to learn about working with ZMM from a client's perspective. We appreciate your consideration for this project and look forward to the opportunity to assist the WVDNR on the District 5 Forks of Coal Building Renovations.

Respectfully submitted,
ZMM Architects and Engineers



Adam R. Krason, AIA, LEED-AP, ALEP
Principal

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PROJECT APPROACH AND METHODOLOGY

PROJECT APPROACH AND METHODOLOGY

Project Understanding

The Request for Expression of Interest indicates that the State of West Virginia Division of Natural Resources needs professional architecture and engineering services to design 4,000 square feet of office and storage space. ZMM is familiar with the project and the existing building being reclaimed for this project. The project will include the design and site improvements to convert a space being used as a garage into an office setting.

The scope of the current project is to provide architectural and engineering services, including construction administrative services, for the proposed new office building renovations at WV DNR District 5 Headquarters Forks of Coal. ZMM Architects and Engineers has provided design services for similar facilities at the Tomblin Wildlife Management Area (WMA). Services have included the design of a Visitor Center (including both offices and sleeping/living quarters), a shop/maintenance building, an access road, utility extensions, as well as an elk viewing platform. The proposed Elk Visitor Center and the Elk Viewing Platform concentrate on the visitor experience, creating a dynamic space to experience this unique area. One of the key concepts of the proposed building design is to represent our wild and wonderful state by incorporating natural materials such as stone, a variety of woods, and other natural finishes.



The EOI also contains the following goals and objectives:

Goal/Objective 1: Review existing plans and conditions as well as the operation of the facility and evaluate while communicating effectively with the owner to determine a plan that can be implemented in a manner that will minimize disruption to concurrent operation of the facility and meet all objectives.

Goal/Objective 2: As a portion of this process outlined in Objective 1, provide all necessary services to design the facilities described in this EOI in a manner that is consistent with The Division of Natural Resources needs, objectives, current law, and current code; while following the plan to design and execute the project within the project budget.

Goal/Objective 3: Provide Construction Contract Administration Services with competent professionals that ensures the project is constructed and functions as designed.

PROJECT APPROACH AND METHODOLOGY

Design Approach (To Meet the Stated Goals and Objectives)

The first step in any successful new construction project is to establish the Owner's vision for the project. Although this seems like a simple step it highlights the fact that the ZMM team will be delivering the WVDNR's vision for the project. Once the vision has been established, the team will undertake the programming and planning phase. At the completion of the programming and planning phase, all required needs will be identified, and any scope/budget issues will be resolved.

Once the programming and planning phase is complete, ZMM will develop conceptual plans and renderings reflecting the proposed District 5 Office and Storage Facility that meets each need identified, while looking toward potential future growth. The renderings will be used to help communicate your vision for the facility to all WVDNR stakeholders. Once the conceptual design is approved our team will develop plans, specifications, and bidding documents for the project.

Drawings, specifications, and estimates will be submitted for review at the end of each design phase (schematic, design development, and construction documents). Our previous relevant experience working on similar projects (Tomblin WMA) will help ensure that all documents meet your requirements and standards – saving the WVDNR from expending additional effort and expediting the design phase of the project. The ZMM team will also submit the drawings and specifications to all required regulatory agencies including the State Fire Marshal's Office for approval prior to the project going out to bid.

Once the documents have been approved, ZMM will assist with the bidding and construction phases of the project, including participation in a pre-bid meeting, developing any required addenda, responding to RFI's, reviewing submittals, and conducting and preparing minutes of construction progress meetings. Our efforts will continue through substantial and final completion inspections and include an eleven-month warranty walk through. Our goal throughout this process will be to act as part of your team, with the objective of ensuring the seamless delivery of the project for the WVDNR.



Construction Phase Services

During the construction phase ZMM will provide additional resources to help manage a timely flow of information between all parties (Owner, Architect, and Contractor). The ZMM project manager will continue to serve as the primary representative of our team and will attend all construction progress meetings. Our team also employs in-house construction administrators (who will assist the project manager) and construction phase administrative staff who track all information (incoming and outgoing) during the construction phase to ensure that the design team is

PROJECT APPROACH AND METHODOLOGY

being responsive to project needs. ZMM also utilizes ShareFile to provide all team members access to all project documentation. This information, as well as the design progress noted above, is reviewed at weekly internal coordination meetings to verify that we are meeting all expectations and deadlines.

During project construction the design team will continue to be engaged in assuring that the materials and systems being provided, and installed, comply with the design intent.

Standard construction phase services include:

- Attend regularly scheduled construction progress meetings.
- Review and respond to shop drawings and submittals.
- Respond to RFI's generated during construction.
- Review and respond to change orders as needed.
- Participate as needed in weekly progress update conference with Owner.
- Make site visits to review construction progress and generate an inspection report for each visit.
- Assist with developing a punch-list of remaining work.
- Complete a substantial and final completion inspection.
- Assist as needed in the startup and project closeout process.

Once the documents have been approved, ZMM will assist with the bidding and construction phases of the project, including participation in a pre-bid meeting, developing any required addenda, responding to RFI's, reviewing submittals, and conducting and preparing minutes of construction progress meetings. Our efforts will continue through substantial and final completion inspections and include an eleven-month warranty walk through. Our goal throughout this process will be to act as part of your team, with the objective of ensuring the seamless delivery of the project for the WVDNR.

ZMM Team

ZMM Architects & Engineers has assembled a project team capable of addressing the varied and unique needs of the project. Please note that aside from the independent cost estimating that ZMM is proposing to provide all design services in-house without the use of any consultants. We are confident that this is the most efficient manner to provide design services for the project, and that this team provides the WVDNR with the best opportunity for a successful project.

The full design team will include:

Role

Principal/PM
Architecture
Designer
Sr. Interior Designer
Engineering Principal
Civil Engineer
Structural Engineer
Electrical Engineer
Sr. Mechanical Engineer
Construction Admin.
CA Assistant
Estimating

Proposed Staffing

Adam Krason, AIA, LEED-AP
Nathan Spencer, AIA
Billy Simms
Carly Chapman
Bob Doeffinger, PE
Ben McMillan, PE
Ronnie Burdette, PE
Grant White, PE
John Pruett, PE
Keith Gonzales
Amy Rhodes
Win Strock



Resumes detailing the experience of the proposed team members are found in Section 4.

PROJECT APPROACH AND METHODOLOGY

Many members of our proposed team recently collaborated on the design of the Tomblin WMA Office/Shop and Elk Viewing Platform, the Forks of Coal Claudia Workman Fish and Wildlife Education Center, the proposed Beech Fork and Coopers Rock Cabins, and the District V Headquarters projects. This experience working with the DNR helped to establish a relationship where our team functioned as an extension of the DNR, with a singular focus of implementing your vision for the project. We propose a similar relationship for the New Division 5 Office and Storage Facility.

Project Communication

During the design phase Adam Krason, AIA, LEED-AP and Nathan Spencer, AIA will serve as the primary contacts for the design team. These key team members as well as all primary WVDNR contacts would be included on all communication to facilitate an open discussion throughout the projects – in a manner that allows the DNR to remain actively involved in all design decisions. All correspondence will be copied to this core group. As the project progresses regular bi-weekly meetings will be held to review the design progress, outstanding issues, as well as any regulatory or budget concerns. Meeting minutes will be produced to document discussion items, decisions, and responsibility for follow-up. Our team's recent experience working with the WVDNR will help facilitate this open communication.

During the construction phase additional resources will be added to ensure prompt and efficient responses to any issue that may arise. The project architect, Nathan Spencer, AIA will coordinate the effort of the design team, and will be assisted by Billy Simms. Additionally, all submittals, pay applications, and RFI's will be logged and tracked by Amy Rhodes – and available to the WVDNR and Contractor on ShareFile. Ms. Rhodes will update the entire project team (WVDNR, ZMM, and Contractor) weekly regarding outstanding items. ZMM utilizes ShareFile during the construction phase to provide all team members with timely access to project documents.

Budget Control

Our team has been providing professional design services in West Virginia for more than sixty five (65) years. This experience has allowed our team to develop a thorough understanding of the various construction markets and associated bidding regions that exist throughout West Virginia, but with a focus on projects around the proposed District 5 Office and Storage Building. Our team for this project will include Win Strock, a former contractor that regularly provides independent estimates to ZMM. Mr. Strock and ZMM have successfully collaborated on the following projects::

- Claudia L. Workman Fish and Wildlife Education Center
- Beech Fork Lodge
- Coonskin Park Maintenance Building
- Clendenin Elementary School
- Williamstown Elementary School
- Edgewood Elementary School
- Jackson County Armed Forces Reserve Center
- Logan-Mingo Readiness Center
- Morgantown Readiness Center
- State Police Information Services Center
- State Office Building 5 & 6 – Various Projects



PROJECT APPROACH AND METHODOLOGY

Construction Duration

Nearly every project that our team is engaged to perform design services for has a 'hard' deadline for completion, many times tied to the availability or expiration of project funding. ZMM consistently delivers on projects with challenging schedule constraints. ZMM will ensure that this project will be completed in the agreed construction period utilizing the following methods:

- ZMM has developed Division 1 documents that tie the receipt of all deliverables required to administer the construction phase of the project to payment applications. ZMM will reject any payment application that is not accompanied by all required information including submittal schedules and logs, RFI logs, updated project schedules, etc.
- ZMM monitors all construction phase submittals and correspondence to verify that we are returning information at a pace that will help expedite project completion. ZMM management reviews the status of all RFI's and submittals weekly. ZMM will also staff the construction phase with staff that will be able to provide immediate answers at the project site to expedite the work.
- ZMM will work with the WVDNR to develop a realistic construction schedule that includes anticipated weather days. This schedule will be included in the specifications and reviewed at the pre-bid meeting to reinforce the critical nature of meeting the schedule, and the intent of enforcing liquidated damages.

Experience with Each Required Discipline

ZMM Architects and Engineers has assembled a team to meet the unique requirements of the project. Our team is comprised of some of the leading professionals in West Virginia, and is experienced in each discipline noted below. With over sixty-five (65) employees ZMM provides an integrated design approach by delivering all building-related design services including architecture, engineering (civil, structural, mechanical, and electrical), interior design, and construction administration in-house. Our architects and engineers are highly qualified and have worked together to deliver projects with similar scope and complexity.

Pre-Design

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

Design

Architectural Design
Sustainable Design
Interior Design
Landscape Architecture
Civil Engineering
Structural Engineering
Mechanical Engineering
Electrical and Low Voltage Engineering
Plumbing and Fire Protection Engineering
Energy Consumption Analysis
Net Zero Design



PROJECT APPROACH AND METHODOLOGY

Post Design

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



Summary

ZMM's relevant design experience, recent WVDNR experience, local design experience, and project approach ensure the successful delivery of the new Office and Storage Building at District 5 Forks of Coal Building Renovation project for the West Virginia Division of Natural Resources. Our team's previous experience working on this project, our commitment to design quality, and our approach to control the project budget and schedule makes us the right partner for the WVDNR for this engagement.



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ZMM HISTORY AND SERVICES

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, State Office Buildings 5, 6, & 7 on the State of West Virginia Capital Campus, and annexes for the West Virginia Army National Guard.

Maintaining a diverse practice for over 60 years has provided ZMM with extensive experience in a variety of building types, including educational facilities, governmental facilities (military, justice, corrections), 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 its present size of 35 people. Over the past 20 years David Ferguson, AIA, and Adam Krasen, AIA, LEED-AP joined in ownership of the firm. In 2020, Randy Jones also joined in ownership of the firm when ZMM acquired Blacksburg-based CMMR Architects & Engineers to create a regional design firm that employs more than 50 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



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 State of 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 the ideal of providing high-quality, client-focused design solutions that meet budget and schedule requirements. We listen, we respond promptly with innovative and efficient solutions, and we deliver quality projects and develop lasting relationships. You see us in **YOUR** community every day.





3

RELEVANT EXPERIENCE



CLAUDIA L. WORKMAN FISH & WILDLIFE EDUCATION CENTER

LOCATION | SIZE | COMPLETION | COST
ALUM CREEK, WV | 7,000 SF | 2021 | \$5M

ZMM provided design services for the Education Center, which includes exhibits about West Virginia's native wildlife, including conservation, game management, forestry, stream restoration, and how to identify native plants and animals.

The center is located on 102 acres of land, along with the WVDNR District 5 Headquarters. ZMM's services included the development of the site and facility, as well as coordination with civil/environmental, exhibit design, and marketing team members. The facility, nestled in the beautiful landscape, concentrates on visitor and user experience, while creating a dynamic space to celebrate West Virginia's greatest natural treasures. One of the key concepts is to represent our wild and wonderful state by incorporating natural materials such as stone, a variety of woods, and natural finishes.

A central axis frames an inspiring view and sets the tone for the visitor with heavy timber, vaulted ceilings, and natural light. The northwest quadrant is dedicated to administration and classroom functions, while the southwest quadrant is composed of utilitarian spaces. The eastern half of the building is devoted to exhibit space. The angled walls and exterior glass create a vibrant exhibit space, as the outdoors become part of the exhibit, as a large, elevated deck spans across the landscape, creating the ultimate viewing platform for the breathtaking views of the Forks of Coal State Natural Area.





BEECH FORK STATE PARK LODGE

LOCATION | COMPLETION | COST
LVALETTE, WV | TBD | \$28.49M

The goal of the lodge study was to help determine the feasibility for a new lodge at Beech Fork.

This objective was achieved through the development of a concept for a 75-room lodge, located on the banks of Beech Fork Lake in Wayne County, WV, which is designed to benefit a variety of visitors. The form of the building was influenced by the site configuration, as well as the functions contained within it.

The floor plan is arranged in a way to separate the guestrooms and other guest-only facilities from the more public functions of the building, such as the restaurant, pub, gift shop, and meeting room. This allows visitors who may not be staying at the lodge to use these areas, without encroaching on the privacy of lodge guests. All of the guestrooms are arranged to have access to views of the lake. Those views are also shared by the restaurant, meeting room, and the recreation areas.

The exterior of the building is designed to simulate the craftsman style to evoke a more relaxed, comfortable, and informal feel for guests and visitors. The brick, stone, siding, and roof materials are common to the area and offer low-maintenance and durability to provide a long-lasting, attractive structure.



ADDITIONAL WVDNR EXPERIENCE

Cooper Rock State Park Cabins - Bruceton Mills, WV

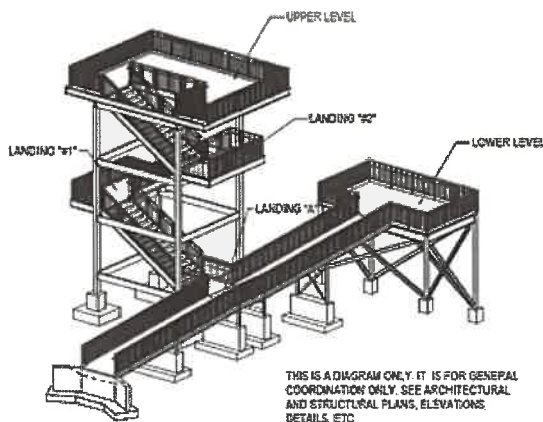
Beech Fork State Park Cabins - Kenova, WV

Hawks Nest State Park Miscellaneous Projects - Ansted, WV

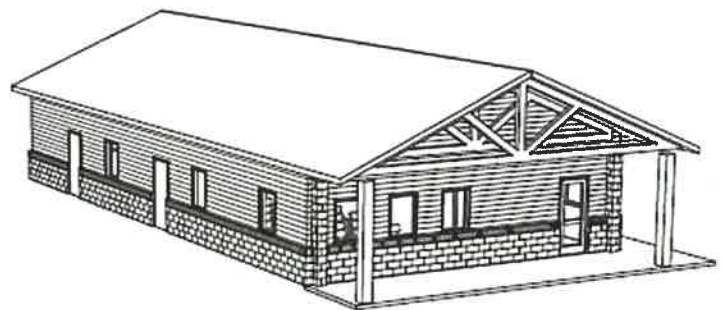
Twin falls State Park - Lodge and Convention Expansion and Master Plan - Mullens, WV

District V Headquarter Renovation - Alum Creek, WV

Tomblin Wildlife Management Area Office/Shop and Elk Viewing Platform, and Visitor Center - Alum Creek, WV



THIS IS A DIAGRAM ONLY. IT IS FOR GENERAL COORDINATION ONLY. SEE ARCHITECTURAL AND STRUCTURAL PLANS, ELEVATIONS, DETAILS, ETC.





FREDERICK COUNTY TRANSPORTATION FACILITY

LEED
SILVER

LOCATION | SIZE | COMPLETION | COST
WINCHESTER, VA | 52,638 SF | 2013 | \$17M

The design of the transportation complex consists of two separate primary buildings: one for administration offices, the other houses vehicle maintenance.

The Administration Building contains eleven offices, two conference rooms, a lobby with receptionist area, a work area, a storage area, and restrooms. This building also contains a driver training room for 50 drivers, and a driver lounge. The interior is designed to allow for future expansions. The Administration Building was awarded LEED Silver Certification.

The Vehicle Maintenance Building has office space in the center with repair bays on each side. The office space includes seven offices (with the potential to grow), a lobby with receptionist area, restrooms, a waiting room, a separate employee lounge with restrooms and showers, a technical research room, a work room, and a custodial closet. A separate area of this building includes a tool storage room, a component room, parts storage, fluid storage, a pump room, and a compressor room. Heavy-duty bays are grouped together on one side of the facility. The opposite side houses light-duty bays.

The Wash and Fuel Facility has four fueling service bays, a tire service bay, two wash bays, and an office. The complex also has a Storage Facility.





CONSTRUCTION & FACILITIES MANAGEMENT OFFICE

LOCATION | SIZE | COMPLETION | COST | AWARDS
CHARLESTON, WV | 19,935 SF | 2008 | \$3.5M | 2009 AIA WV MERIT AWARD

The Construction and Facilities Management Office (CFMO) Expansion project brought all of the operations of the CFMO together under one roof.

The branches that occupy this facility include the Director of Engineering, Environmental, Planning and Programming, Facility Operations & Maintenance, Business Management, Resource Management, and Design and Construction. This expansion is located slightly to the front, and adjacent to the existing facility, lending prominence to the new construction, and providing a new aesthetic to the entire complex.

A transitional space was designed to connect the new structure to the existing facility, while maintaining a connection to the outside through use of natural light, direct visual connections to the exterior, large volumes, irregular geometries, and the use of natural materials.

The entry design was coordinated with the Recruiting and Retention Building to create an outdoor courtyard, along with new sidewalks, stairs and signage. The entry roof is sloped to provide a greater massing, while a lower canopy provides scale and protection from the elements. Large gathering and work spaces were located on the north elevation to take advantage of expanses of glazing located to capture indirect light and views of Coonskin Park.





JACKSON COUNTY ARMED FORCES RESERVE CENTER

LOCATION | SIZE | COMPLETION | COST
MILLWOOD, WV | 75,000 SF | 2011 | \$20M

The building design was inspired by the adjacent Georgian-style Order of the Eastern Star facility.

The primary user for the WVARNG will be DET 1 821st Engineering Company, supported by a FSC of the 1092nd. USAR occupants include PLT AMMO 261 OD and PLT 1 (Postal) and PLT 6 (Postal) of the 44th Personnel Company. An expanded drill hall serves as a convention and meeting space. The relationship between the structures became crucial to the site layout. Once the aesthetic of the building was established, the massing of the facility was defined by breaking down the facility into smaller mass elements. The larger programmatic elements, such as the drill hall and the storage areas, employ an aesthetic that more closely implies their function.

The layout of the facility includes a main entry with the recruiting, family support, and administrative areas located on separate sides. A transverse wing houses all functions that have the potential for public use, while all primary military spaces developed along a similar perpendicular wing. This allows for separate entries to be developed for public functions, while the remainder of the facility can be secured. The layout also creates a large central courtyard, or parade field, that would be located at lower grade to define the edge facing the river. This edge is defined by a canopy that connects storage and locker areas to the expanded drill hall.





GLEN JEAN ARMED FORCES RESERVE CENTER

LOCATION | SIZE | COMPLETION | COST
GLEN JEAN, WV | 110,000 SF | 2004 | \$17M

The Glen Jean Armed Forces Reserve Center contains three distinct military functions: a facility for routine maintenance of over-the-road and tracked military vehicles, an armory housing four West Virginia National Guard units, and the Southern West Virginia Military Entrance Processing Station, where new recruits officially enter the military system.

The brick exterior walls are highlighted with limestone and metal trim accents. A large assembly hall, plus classroom and training space, enhance the ability of the armory building to provide training for military personnel, while also providing much-needed space for community functions.

The Glen Jean AFRC also employs a sloped natural-stone buffer to meet federal anti-terrorism and force protection guidelines. The project has also become an important community resource and served as a meeting location during the development of the nearby Summit Bechtel Family National Scout Reserve.





LOGAN-MINGO READINESS CENTER

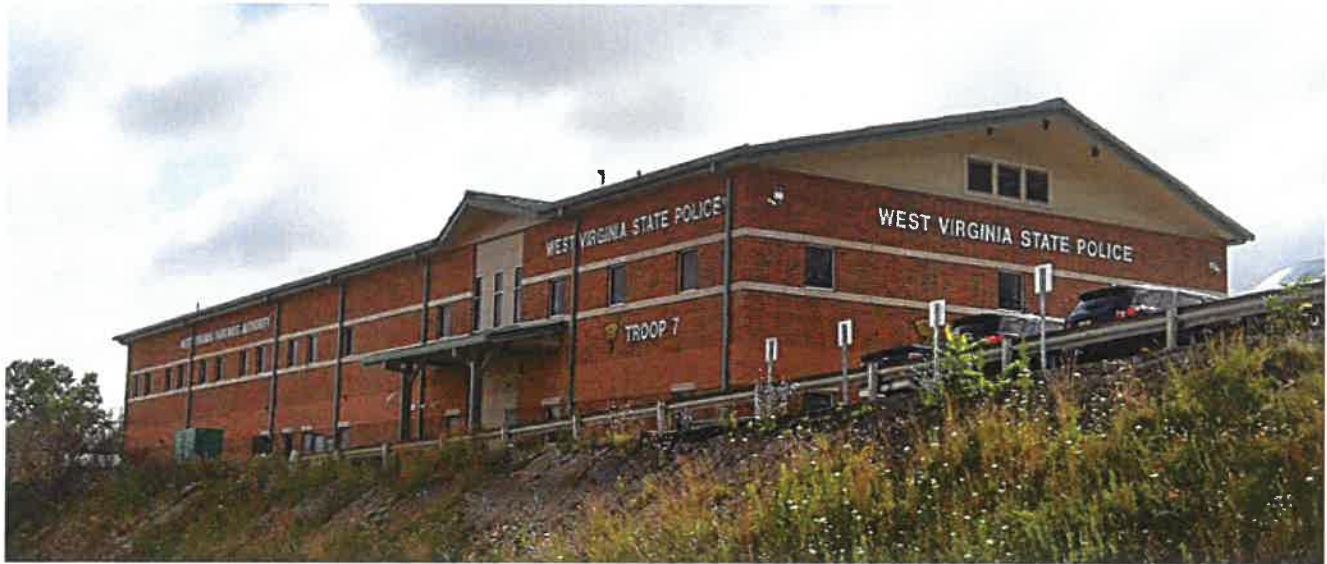
LOCATION	SIZE	COMPLETION	COST	AWARDS
HOLDEN, WV	54,000 SF	2015	\$12M	2017 AIA WV MERIT AWARD

The design of the Logan-Mingo Readiness Center was developed by examining both the program and building site, and developing strategies to design a facility that is functional, responds to site, security, and aesthetic parameters, while requiring minimal maintenance.

The building layout was developed by working closely with the end users to determine the appropriate configuration of building spaces to maximize the efficiency of the operations, and to respond to the unique missions of the 150th Armored Reconnaissance Squadron and the 156th Military Police (LNO) Detachment. This was accomplished through clear separation of public and private areas within the facility, unique office configurations related to training requirements, and the addition of state-funded additional spaces.

The exterior (and in many cases, the interior) aesthetic of the facility was driven by the location of the Readiness Center within an industrial park on a reclaimed surface mined site. The decision led to the use of reinforced cast-in-place retaining walls that became both a functional and visual focus. Similar walls are used to anchor the facility at the Distance Learning Center, while a cast-in-place retaining wall and natural stone serves as a part of the Anti-Terrorism/Force Protection design.





WV STATE POLICE & PARKWAYS AUTHORITY MAINTENANCE BUILDING

LOCATION BECKLEY, WV	SIZE 19,400 SF	COMPLETION 2016	COST \$4.5M
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The West Virginia Parkways Authority needed to replace a variety of existing aging buildings with a new maintenance facility.

The 19,400 SF building includes offices for maintenance staff, training staff, a training center and a WV State Police branch facility. The maintenance portion of the building includes four large bays equipped with an overhead crane, truck lifts and equipment to maintain the large fleet of trucks. Existing buildings were removed to allow for the new building to be located on the existing site along with other support buildings.

ZMM, in consultation with HNTB engineers, was selected to design the new facility. The WV Parkways Authority had programmed the building requirements, which ZMM developed into a building program to fit the existing restricted site. The four 26-foot-high truck bays will be located next to a two-story supply and support facility. The second-story portion of the building will contain offices, training and meeting rooms along with lockers and exercise areas. The two-story state police facility is located next to the maintenance facilities and includes a common entrance, lobby, elevator, and stairs.





WV STATE POLICE INFORMATION SERVICES CENTER

LOCATION	SIZE	COMPLETION	COST
SOUTH CHARLESTON, WV	18,000 SF	2013	\$2.5M

The West Virginia State Police renovated a structure that previously served as the State Medical Examiner's Office, and prior to that, an elementary school.

The building is located adjacent to the state police's main campus in South Charleston, WV. The building underwent extensive renovation to transform it into an Information Services Center. The divisions were previously housed in the main state police headquarters building.

The scope of the work included a complete renovation to the 14,000 SF, two-story main building, along with a new 4,000 SF, one-story addition on the back. The old exterior masonry façade was enveloped with a thin-brick veneer facing Jefferson Road and an exterior insulation and finish system in the rear of the facility. New aluminum windows, high-performance glazing, and new single-ply roof membrane completed the exterior. The interior was converted into professional office space on both floors, to house their Communications Division, Criminal Records Division, and Traffic Records Division. The space was maximized by utilizing the wide corridors as office space and creating new, appropriately-scaled corridors in a loop pattern through the previous classrooms.





WOOD COUNTY RESILIENCY CENTER

LOCATION PARKERSBURG, WV	SIZE 30,382 SF	COMPLETION 2023	COST \$9.5M
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Utilizing available American Rescue Plan (ARP) funds, Wood County Commission President Blair Couch asked for a “Swiss Army Knife” of a building.

The new 30,382 SF one-story masonry and steel structure, located at the intersection of Market Street and 2nd Street in downtown Parkersburg, was designed to be an adaptable building that could respond to a variety of emergency events. The large gathering space (and adjacent commercial kitchen, toilet room, and showers) can be used as a temporary shelter, for mass casualty events, or for testing or vaccine distribution. Wood County Resiliency Center’s large gathering space will also have the flexibility to be subdivided into socially distanced courtrooms with judges’ chambers and a jury room, something the county lacked during the pandemic. Multiple drive-through bays and a commercial kitchen allow for food distribution or testing, as needed. A redundant 911 Center is also included in the facility.

When not in use for emergency functions it will provide the public with a high-quality community gathering space and provide additional space for the Wood County maintenance department. The gathering space was designed with a convention style layout. The main meeting room will support 400 people in a banquet setting, while the multiple meeting rooms could host breakout sessions. The entrance was sized to serve as a pre-function space and the wide corridors will allow for displays and vendors. High quality and durable finishes were selected to support the various functions the building may house. The main entrance was sited to face the historic Wood County Courthouse, while exterior materials were selected to create a visual connection with the nearby Wood County Justice Center.





JACKSON COUNTY SHERIFF'S OFFICE

LOCATION	SIZE	COMPLETION	COST
RIPLEY, WV	5,500 SF	2015	\$1.6M

The Jackson County Sheriff's Office was outgrowing their current facility, so a vacant lot was acquired adjacent to their existing building, which is located on the courthouse square in Ripley, WV.

The one-story sheriff's office is approximately 5,500 SF. The building functions as a full sheriff's office, as well as containing all home-confinement reporting necessities for the county.

An improved booking area contains two holding cells, a sally port garage space, an interview room, and all crucial processing equipment. The sheriff's office includes a conference room, advanced evidence storage, a work area for the deputies with room to grow, and personal offices for the sheriff, chief, captain, lieutenants, sergeants, and detectives. The public will enter through secured vestibules, while staff will have keycard access at entryways. This state-of-the-art building supports the Jackson County Sheriff's Department to serve the public more efficiently and effectively.





VALLEY PARK COMMUNITY CENTER

LOCATION | SIZE | COMPLETION | COST
HURRICANE, WV | 31,216 SF | 2018 | \$8M

The 31,216 SF Community Center building is the centerpiece of a multi-million dollar improvement to the existing Valley Park in Hurricane, WV.

The park's previous community building was torn down to make way for a larger, updated Community Center that includes 7,750 SF of conference space, a commercial kitchen, offices for the Putnam County Parks and Recreation Commission, and offices, locker-rooms, and concessions for the existing wave pool.

The exterior design plays off the existing Commons Building, which incorporates stone accents, wood siding, and multi-sloped roofing around a floor plan that emphasizes the internal components. The Community Center entrance is highlighted by a large, exposed-wood truss bearing on tall, battered stone columns. These wood beams are featured at all entrances and carry into the meeting room prefunction to provide a fully-exposed, open wood structure. The majority of the building perimeter is brick veneer with the taller meeting room and entrance separated by cast-stone banding. The more detailed façades for the prefunction space and office blocks feature punched windows set in horizontal wood siding with a stone veneer wainscot, which gives the building a lodge-like feel. Sloped, standing seam metal roofing highlights the more visible portions of the building, while flat roofs cover the support spaces.





TOYOTA ENGINEERING OFFICE ADDITION

LOCATION | SIZE | COMPLETION | COST
BUFFALO, WV | 13,600 SF | 2018 | \$4M

ZMM Architects & Engineers partnered with TERRADON to design a 13,600 SF Engineering Office Addition to an existing production facility.

The project was a collaborative effort with ZMM and TERRADON working closely with the owner's corporate and local team.

Due to the location of the addition near the entry to the complex, the project endeavored to create a contemporary addition to the existing industrial building (a pre-engineered metal structure). The project also intended to compliment the main building administrative structure, which is located across an access road, while providing a secondary entrance for employees.

A steel framed masonry and curtainwall veneer single-story design solution was developed to meet aggressive design, schedule, and budget constraints. In addition to 6,000 SF of engineering office and support spaces, the project houses a clinic, fitness center, breakout (collaboration) spaces, and a safety training center. The exterior design blended seamlessly with the contemporary interior, which incorporated corporate branding and influences of biophilic design, creating an inspiring and healthy place to work.





PIPESTEM STATE PARK MCKEEVER LODGE INTERIOR RENOVATIONS

LOCATION PIPESTEM, WV	SIZE VARIOUS	COMPLETION 2021	COST \$100M
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Pipestem State Park received interior renovations and upgrades to guestrooms and public spaces. The lobby and other spaces have a fresh new upgraded look with modern finishes and new carpet.

Renovations included improvements to 88 guestrooms on first floor, bathroom expansions on the 7th floor, renovations to the dining area with a bar addition, renovations to all conference rooms, and finish renovations in the lobby. The lodge also received a new day spa area

ZMM will be replacing the ceilings and lightings in all public spaces and guestroom corridors in the main McKeever lodge building. Mountain creek lodge that sits below McKeever Lodge will receive a new roofing on the guestroom buildings and restroom will be renovated in the main tram building





GENERAL SERVICE DIVISION SURPLUS PROPERTY

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





C

TEAM QUALIFICATIONS



ADAM KRASON

AIA, LEED AP, ALEP

Principal

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 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 his 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, North Carolina, New Jersey, and
Pennsylvania

AFFILIATIONS

Association for Learning Environments

WV Board of Architects, President

American Institute of Architects,
Strategic Council

Charleston Area Alliance, Board Vice Chair

Goodwill Industries of Kanawha Valley,
Past Board Chair

Clay Center, Board of Directors

WV Symphony Orchestra, Board of Directors

Charleston Main Streets, Board of Directors

Charleston Municipal Planning Commission

Charleston Historic Landmarks Commission

PROJECT EXPERIENCE

Capital Sports Center Conceptual Design - Charleston, WV

Charleston Coliseum and Convention Center - Charleston, WV

Shawnee Sports Complex - Institute, WV

Claudia L. Workman Fish and Wildlife Education Center - Alum Creek, WV

BridgeValley Community and Technical College - Davis hall and Master Plan - Montgomery, WV

Mountaineer Challenge Academy - South Renovations - Montgomery, WV

WVDNR Beech Fork State Park Cabins - Lavalette, WV

WVDNR Cooper's Rock Cabins - Morgantown, WV

Pipestem State Park Lodge Renovations - Pipestem, WV

The Clay Center for the Arts and Science (Multiple Projects) - Charleston, WV

Girl Scouts of Black Diamond Council - Charleston, WV

Goodwill Prosperity Center - Charleston, WV

Joint Interagency Training and Education Center (WVARNG) - Kingwood, WV

State Office Building #5, 10th Floor Renovation (Office of Technology) - Charleston, WV



Nathan Spencer

AIA

Project Architect

Mr. Spencer is responsible for coordinating the efforts of the design team in preparing thorough and clear design documents. He has experience in all phases of design working on a wide range of building types including; military, educational, office, justice, and residential.

He has worked on several projects that are currently pursuing LEED certification. In addition to production, Mr. Spencer, is also experienced in 3d modeling. He has worked on several preliminary concept study models as well as high quality renderings and 3d models later in the design process. Mr. Spencer is also experienced in high quality physical models.

Mr. Spencer began his career in architecture with ZMM in 2003, working as a summer intern. After graduating in 2003, he began working at ZMM full time.

EDUCATION

Bachelor of Architecture
University of Tennessee, 2007

LICENSURE

West Virginia

AFFILIATIONS

WV Chapter, American Institute of Architects,
Member

PROJECT EXPERIENCE

Charleston Coliseum & Convention Center - Charleston, WV

Shawnee Sports Center - Institute, WV

Logan-Mingo Readiness Center - Holden, WV

Jackson County AFRC - Millwood, WV

Joint Interagency Training and Education Center (JITEC) - Kingwood, WV

Buckhannon Readiness Center - Buckhannon, WV

Parkersburg Readiness Center (not built) - Parkersburg, WV

Marshall Readiness Center - Moundsville, WV

Kenova AFRC SCIF Building - Kenova, WV

AASF #1 and #2 Hangar Additions

Mountaineer Challenge Academy South - Montgomery, WV

Morgantown Readiness Center - Morgantown, WV

Tucker County Courthouse Annex - Parsons, WV

Judge Black Courthouse Annex - Parkersburg, WV

Intuit Prosperity Hub - Bluefield, WV



BILLY SIMMS

AAIA

Designer

Mr. Simms is responsible for providing technical support to architectural staff, project coordination and production of drawings from proposal plans to construction documents using 3D modeling software.

Mr. Simms has experience in various types of construction techniques. Billy has served clients in various areas including Education, Residential, Medical, Commercial Offices, Religious and Civic Institutions.

PROJECT EXPERIENCE

Claudia L. Workman Fish & Wildlife Education Center - Alum Creek, WV

WVDMR District 5 Headquarters - Alum Creek, WV

WVDMR Pipestem State Park Lodge - Pipestem, WV

WVDMR Cabins - Coopers Rock State Forest - Bruceton Mills, WV

Coalmin Maintenance Facility - Charleston, WV

Wood County Resiliency Center - Parkersburg, WV

Charleston Coliseum and Convention Center - Charleston, WV

WV Lottery Headquarters Building Envelope Study - Charleston, WV

INTUIT Prosperity Hub - Bluefield, WV

Goodwill Industries - Parkersburg and Teays Valley, WV

AIP Building Assessment and Renovations - Dunbar, WV

Toyota Engineering Office Addition - Buffalo, WV

Salvation Army Building - Beckley, WV

EDUCATION

Bachelor of Arts, Bachelor of Science
West Virginia State University, 1998

AFFILIATIONS

American Institute of Architects, Associate Member

CARLY CHAPMAN



Interior Designer

Mrs. Chapman serves as the Interior Designer at ZMM. Mrs. Chapman takes pride in her work's originality and always strives to help the client's vision and intent come alive in the design process. Her experience at ZMM includes Education, Municipal, Residential, Healthcare, and Hospitality projects. In her past position she focused on both Corporate and Healthcare design. Mrs. Chapman's responsibilities include conducting design proposals and presentations, as well as producing design documents and specifications relating to all aspects of interior design.

Mrs. Chapman has served as the interior designer for a variety of projects. Projects range from renovations to new construction and is comprised of every industry. Her responsibilities include design concept, presentation, documentation, specification writing, and architectural drafting.

EDUCATION

Bachelor of Interior Design
University of Charleston - 2012

PROJECT EXPERIENCE

New Ridgeview Elementary School - Dickenson County, VA

Mercer County Schools - Mercer County, WV
- **Bluefield Primary School**
- **Mountain Valley Elementary School**
- **New Bluewell Elementary School**
- **Oakvale Elementary School Renovation**

Fayette County Schools - Fayette County, WV
- **New River Primary / Oak Hill Middle School**
- **Valley PK-8 School**

Raleigh County Schools - Raleigh County, WV
- **Woodrow Wilson High School Phase III Addition and Renovation**
- **Woodrow Wilson High School Phase IV Gym Addition and Renovation**

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

Cabell County Schools - Cabell County, WV
- **Cabell Midland High School Renovation**
- **Cabell County Career and Technology Center**
- **Explorer Academy**

New Frankfort PK-4 School - Mineral County, WV

Jackson County Schools - Jackson County, WV
- **Ravenswood Middle School**
- **Page Jackson Historical Center**

Wood County Schools - Wood County, WV
- **Wood County Technical Center**
- **Williamstown Elementary School**



Robert Doeffinger

PE

Principal

As ZMM's Principal Engineer, Mr. Doeffinger is in charge of the engineering disciplines, it is his responsibility to ensure that the mechanical and electrical engineering components of ZMM's design are coordinated and integrated into the final product.

After graduate school in Architectural Engineering, Mr. Doeffinger joined ZMM. He has over 45 years design experience in mechanical and electrical systems for buildings. He has a broad range of engineering experience in education, industrial and manufacturing facilities, large retail, correctional and jails, office buildings, and military facilities.

Mr. Doeffinger is responsible for new design and retrofit of chilled water systems for all building types including large regional shopping malls. He is involved daily with the firm's selection of appropriate systems for all building types and performs life-cycle cost analysis and energy studies.

Mr. Doeffinger is a member of the American Society of Heating, Ventilation and Air-Conditioning Engineers. He is the current national Chairman of the Technical Committee on Heating and Air-Conditioning Load Calculation. He is involved in writing the National Standard on the Method of Calculation, which will shape the nature of the future building energy use for the nation.

EDUCATION

Master of Science
The Pennsylvania State University, 1976

Bachelor of Science
West Virginia University, 1973

LICENSURE

WV, VA, PA, OH, TN, KY, NY, NH, ME,
NC, SC, FL, NJ, GA

AFFILIATIONS

ASHRAE - Member of the Technical Committee Load Calculations Data and Procedures for 25 years, serving as chairman. Presently Chairman of the Research Subcommittee

2021 Industrial and Professional Advisory Council - College of Engineering at The Pennsylvania State University

2019 Marshall University Honorary Alumni Award of Distinction College of Engineering

Advisory Board for the Department of Electrical Engineering Technology, Bridgemont Community and Technical College

City of Pt. Pleasant, WV - 2nd Ward Councilman for 20 years

PROJECT EXPERIENCE

Charleston Coliseum & Convention Center - Charleston, WV

State Office Buildings #5, 10th Floor - Charleston, WV

WV Capitol Complex Buildings #5, #6, and #7 - Charleston, WV

Marshall University (Multiple Projects) - Huntington, WV

West Virginia Regional Technology Park - S. Charleston, WV

- Building 704

- Building 740

- Building 770

Joint Interagency Training and Education Center (JITEC) - Kingwood, WV

West Virginia Regional Jails

West Virginia Army National Guard Projects

BridgeValley Community and Technical College - Montgomery, WV

Appalachian Regional Hospital (Multiple Projects) - Beckley, WV

The Plaza at the King of Prussia - Philadelphia, PA



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 to 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
LEED Accredited Professional

AFFILIATIONS

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

United States Marine Corps - 14 Years

PROJECT EXPERIENCE

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

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 Development 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



GRANT WHITE

PE

Electrical Engineer

Mr. White brings more than 14 years' experience and serves as the Electrical Engineer at ZMM. Mr. White provides electrical design services for a vast number of projects consisting of commercial, educational, correctional, institutional, and military facilities.

Mr. White is responsible for many facets of the project pertaining to electrical design such as interior and exterior lighting, power distribution, data system design, security, fire alarm, low voltage control systems, equipment specifications and performs electrical assessments during construction prior to the project's substantial completion date.

EDUCATION

Bachelor of Science in Electrical Engineering,
West Virginia University Institute of
Technology, 2007

Marshall University Graduate College -
Project Management and Engineering
Management Program, 2008

LICENSURE

West Virginia
Virginia

AFFILIATIONS

Professional Engineer
EET Advisory Committee - BridgeValley
Community and Technical College

PROJECT EXPERIENCE

Braxton County Schools - WV

- Braxton County High School Gym Bleachers and Cooler Freezer
- Braxton County Middle School Renovations

Cabell County Schools - WV

- Cabell-Midland High School Renovation
- Huntington High School Renovations

Jackson County Schools - WV

- Cottageville Elementary School Renovations
- Ripley Middle School Renovations

Jefferson County Schools - WV

- Transportation Technology Center
- Ranson Elementary School
- Shepherdstown Elementary School
- Washington High School Auxiliary Gym

Mercer County Schools - WV

- Silver Springs Elementary, Sun Valley Elementary, Melrose Elementary, Bluefield High, Princeton Primary, and Bluefield Intermediate - HVAC Replacements
- Bluewell Elementary School

Nicholas County Schools - WV

- Nicholas County High School / Summersville Middle School

Putnam County Schools - WV

- Conner Street Elementary, Hurricane Town Elementary, Hurricane High School, and Poca High School - Walk-in Cooler/Freezer

Raleigh County Schools - WV

- Woodrow Wilson High School Addition/Renovation
- Shady Springs Elementary School Addition/Renovation

WV School of Osteopathic Medicine - Lewisburg, WV

Marshall University - Huntington, WV

- Drinko/Science Buildings - Cooling Tower
- Smith Hall - Cooling Tower



BENJAMIN S. MCMILLAN

PE, LEED AP

Civil Engineer

Mr. McMillan 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, HydroFLOW, 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

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



RONNIE BURDETTE

PE

Structural Engineer

Mr. Burdette serves as a Structural Engineer at ZMM. The experience he has gained while at ZMM includes Educational (Additions/Renovation to existing structures and Construction of new structures), Municipal (Community Centers), and Residential projects. Mr. Burdette's responsibilities include design and analysis of structural systems and documentation of design results.

Project Experience:

Mr. Burdette has served as Structural Engineer on a variety of projects. His responsibilities included analysis and design of multiple building materials (Steel, Timber, & Concrete) and production of structural drawing sets.

EDUCATION

Bachelor of Science in Civil Engineering,
West Virginia University, 2015

Master of Business Administration,
University of Charleston WV, 2016

LICENSURE

West Virginia

PROJECT EXPERIENCE

New River Primary / Oak Hill Middle School - Oak Hill, WV

Valley Park Community Center - Hurricane, WV

Charleston EDGE - Charleston, WV

WV Department of Natural Resources - WV

- Tomblin Visitor's Center

- Tomblin Headquarters Building

- Tomblin Wildlife Viewing Tower

Wood County 911 Center - Parkersburg, WV

Valley Health Clinic - Milton, WV

Cabell County Schools - WV

- Huntington High School Renovations

- Midland High School Renovations

Wood County Resiliency Center - Parkersburg, WV

National Weather Service Building - S. Charleston, WV



JOE DOEFFINGER

Construction Administrator

Mr. Doeffinger has a background in Geology and is transitioning over to Construction Administrator. Joe is excited about the new ZMM offices in Blacksburg, VA and Martinsburg, WV, and the new projects this will afford. Mr. Doeffinger likes working with the team of various professionals and the support they offer.

Mr Doeffinger's projects have included nonprofit, education, federal, local government, and healthcare.

EDUCATION

Bachelor Degree, Marshall University,
2016

PROJECT EXPERIENCE

Kanawha County Schools - WV
- Clendenin Elementary School

Calhoun County Schools - WV
- Pleasant Hill Elementary School Roof Replacement and HVAC Renovations

Putnam County Schools - WV
- Digital Surveillance upgrades

Cabell County Schools - WV
- Barboursville Middle School Gymnasium Renovation

Goodwill Industries - Parkersburg, WV

**Tug Valley ARH Regional Medical Center HVAC Renovation -
Williamson, KY**

**KRT Laidley Street Transportation Center and Ticket Office -
Charleston, WV**



5

CLIENT REFERENCES

CLIENT REFERENCES

Bradley Leslie, PE, Assistant Chief (Retired)
WVDNR
State Parks Section
324 4th Avenue
So. Charleston, 25303
304.389.7663 cell

Todd Reynolds, Deputy Branch Chief
WVARNG
1707 Coonskin Drive
Charleston, WV 25311
304.380.7226 cell

Dr. David Sovine, Superintendent
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Thank You

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