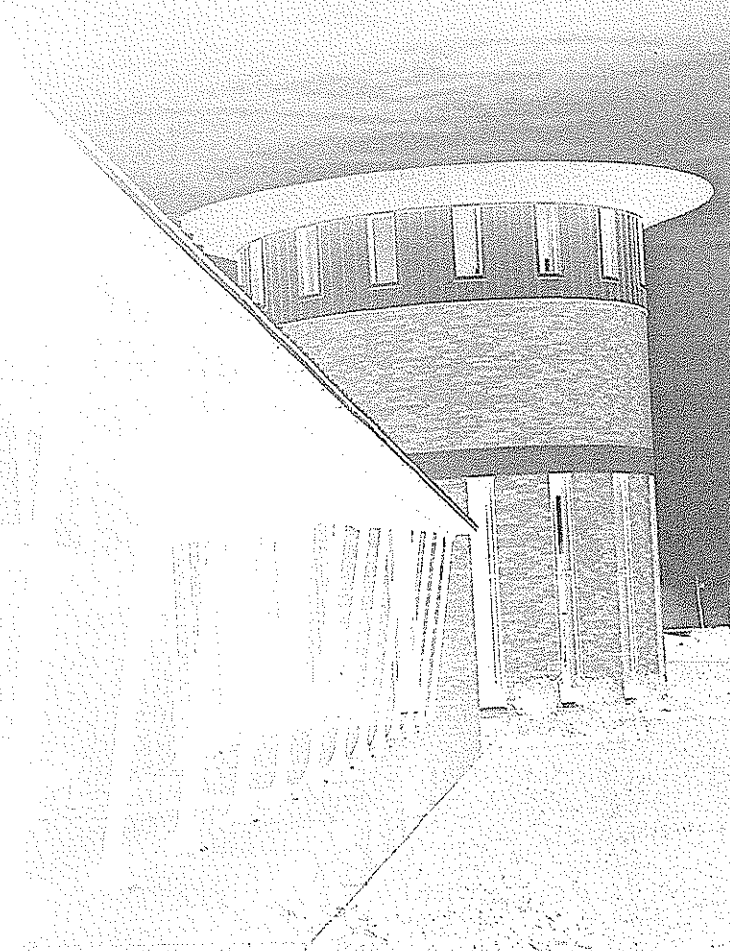


Family Readiness Center
Charleston, West Virginia



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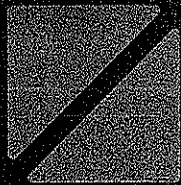
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PROCURING DIVISION
STATE OF WV



07-October-2008

Architectural Design
Interior Design
Building Programming & Planning
Construction Administration
Mechanical Engineering
Electrical Engineering
Structural Engineering
Civil Engineering



"Green" Building Design
Master Planning
Site Evaluation & Analysis
Feasibility Studies

Value Engineering
Construction Cost Estimating
Energy Consumption Analysis
Life Cycle Cost Analysis



222 Lee Street, W.

Charleston, West Virginia 25302

304.342.0159 (v)

304.345.8144 (f)

www.zmm.com

Table of Contents

- Tab 1** Project Approach
- Tab 2** History & Philosophy of ZMM
- Tab 3** Professional Services - Quality Assurance
- Tab 4** Personnel & Resumes
- Tab 5** Representative Projects
- Tab 6** Award Winning Design

Expression of Interest for Family Readiness Center - Charleston, West Virginia DEFK9011



ZMM

Professional Architectural & Engineering Services



07-October-2008

Steven Branner, A.I.A., Principal
steve@zmm.com



222 Lee Steet West
Charleston, West Virginia 25302
304.342.0159 voice • 304.325.8114 fax

ARCHITECTS & ENGINEERS

Adam R. Krason, AIA, NCARB, LEED-AP
ark@zmm.com



222 Lee Steet West
Charleston, West Virginia 25302
304.342.0159 voice • 304.325.8114 fax

ARCHITECTS & ENGINEERS



ARCHITECTS & ENGINEERS

October 7, 2008

Mr. John Abbott, Buyer
Department of Administration, Purchasing Division
Building 15
2019 Washington Street, East
Charleston, West Virginia 25305-0130

**Subject: Family Readiness Center – Coonskin Drive, Charleston, WV
West Virginia Army National Guard
Requisition DEFK9011**

Dear Mr. Abbott:

ZMM is pleased to submit the attached information to demonstrate both our experience and our capability to provide professional architectural and engineering services for the Family Readiness Center in Charleston for the West Virginia Army National Guard (WVARNG). We are confident that our recent experience designing the adjacent CFMO Expansion provides ZMM with unique insight into the Coonskin Campus and the specific project site, which will make us a great partner in the planning and design of this new facility.

An organization of creative professionals with the common interest of working with our clients to design and engineer innovative and cost effective buildings, ZMM has the in-house capability (35 full-time employees) to deliver the professional services necessary to plan, prepare construction documents, and provide construction administration services for the Family Readiness Center.

Thank you for taking the time to review the attached information, which includes (in Tab 1) a Project Approach. We look forward to meeting with you in the near future to review our qualifications, and to discuss your project in greater detail.

Respectfully submitted,

ZMM, Inc.


Adam R. Krason, AIA, NCARB, LEED-AP
Project Manager

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

VENDOR OWING A DEBT TO THE STATE:

West Virginia Code §5A-3-10a provides that: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

West Virginia Code §21-1D-5 provides that: Any solicitation for a public improvement construction contract shall require each vendor that submits a bid for the work to submit at the same time an affidavit that the vendor has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code. A public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the West Virginia Code may take place before their work on the public improvement is begun.

ANTITRUST:

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit www.state.wv.us/admin/purchase/privacy for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and is in compliance with the requirements as stated.

Vendor's Name: ZNAM, INC.

Authorized Signature: [Signature] Date: 6/09/08

Project Approach: Family Readiness Center, Charleston

ZMM recently had the opportunity to assist the West Virginia Army National Guard (WVARNG) with the design of the CFMO Expansion, located directly across Coonskin Drive from the proposed project site. This experience provides us with an understanding of some of the unique challenges and opportunities of the proposed site.



Proposed Project Site

The project site may involve unique subsurface conditions that were encountered during the construction of the CFMO Expansion, including both coal seams as well carbonatious shale. A thorough subsurface analysis will be recommended to ensure an efficient construction process.

Currently, the Family Readiness Center occupies a renovated residential structure. This structure sits slightly above Coonskin Drive. The proposed project site is a shelf in the hillside to the North-East of the existing facility. Due to the project site, it is likely that the building will be sited similarly to the CFMO Expansion – parking will be located behind the new structure, and the building may occupy two levels, with only one level visible from the upper parking lot. This approach will give the building a very comfortable and inviting scale to those utilizing the facility.

If the new Family Readiness Center is sited in this manner, it will require a main entry from the parking lot, but must also address Coonskin Drive. As with the CFMO

Expansion, the site will also provide the opportunity to introduce daylight (and unconstrained views of Coonskin Park) from the North.



Existing Family Readiness Center



CFMO Expansion

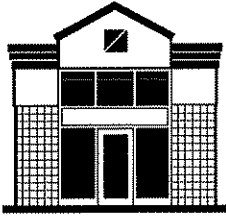
From an “urban-planning” perspective, if a similar architectural palette is used in the design of the Family Readiness Center, the two facilities could create a dramatic termination point that marks the end to the Coonskin WVARNG Campus. This project presents the opportunity to create a welcoming Family Readiness Center while simultaneously improving the overall campus.



Redefined Upper Level Entry



Capitalizing on Coonskin Park Views



HISTORY & PHILOSOPHY OF ZMM

Ray Zando, Ken Martin and Monty Milstead established the **Charleston, West Virginia** based Architectural and Engineering firm of Zando, Martin and Milstead in 1959 with a staff of five people. The firm obtained an early foothold in the professional services sector in the state and grew in both size and stature. Mr. Steven Branner, a recent graduate of the University of Cincinnati, joined the firm in 1967 as a project architect. Mr. Robert Doeffinger obtained a B. S. degree in Mechanical Engineering from West Virginia University and an M. S. degree in Architectural Engineering from The Pennsylvania State University before joining the firm in 1976.

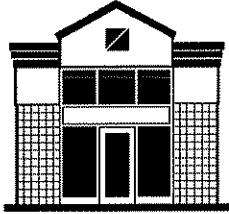


Mr. Zando, Mr. Martin and Mr. Milstead, reaching retirement age, transferred the ownership of the firm to Mr. Branner and Mr. Doeffinger in 1986 and they guided and expanded the firm to its **present size of 35 people**. Recently, Dave Ferguson and Rod Watkins have joined in ownership of the firm.



The philosophy of ZMM was established early on by the original partners and continues today due to careful selection of contemporaries. At ZMM we are proud of our heritage of fine architecture, engineering and client service. This pride shows in everything we do, from the way we interface with clients to the way we delineate our designs.

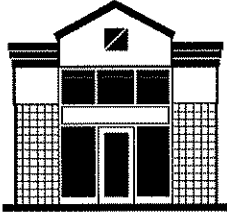




HISTORY & PHILOSOPHY OF ZMM

Since the beginning, ZMM has been dedicated to the integrated approach to building design. The inclusion of engineering services (civil, mechanical, electrical and structural) as well as interior design makes ZMM unique among architectural firms and fulfills the needs of clients for single point responsibility. More importantly, an integrated approach provides better coordinated, accurate, and concise documents. ZMM's commitment to clients is to provide the highest quality professional services available. In order to maintain this high level of quality, we strictly conform to the Quality Assurance Program, a unique feature of ZMM.

We work hard at staying generalists, while, by virtue of maintaining a practice for over forty years, having extensive experience in different building types. We approach each project as a unique opportunity and execute each design accordingly. Nothing is done without our full, professional attention. ZMM has a demonstrated record of success in the specialization of architecture and engineering.

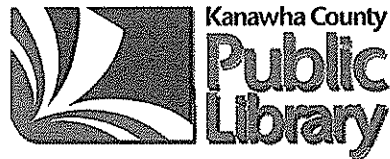


HISTORY & PHILOSOPHY OF ZMM

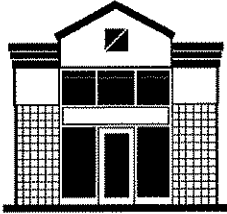
COMMUNITY SUPPORT

In addition to our design efforts, **ZMM** has been supportive of institutions and organizations that contribute to the cultural and educational landscape in West Virginia.

ZMM offers financial support to several community and state-wide institutions that reflect the superior quality that we strive to achieve on each of our projects. The following organizations also impact the educational environment through their support of local artisans, performances, broadcasts, and community service:



West Virginia Symphony Orchestra



Professional Services

Since its inception, ZMM has been dedicated to the integrated approach to building design (providing full architectural and engineering services in-house) that is unique to architectural firms of our size. Our past successful experience demonstrates that providing multi-disciplined services within one organization results in a fully coordinated project. As shown below, ZMM has the qualified professionals available to provide services throughout the duration of a project from the initial planning phases through post-occupancy evaluations and beyond.

Additionally, ZMM is constantly working to improve the services we offer by addressing emerging and evolving trends that impact the design and construction market. Recently, several of our professionals have attained LEED Accreditation so that ZMM is fully capable of addressing the needs of our clients who are interested in designing buildings that meet the US Green Building Council's standards. This continues ZMM's active implementation of sustainable design principles on education projects, most recently featured at the Lincoln County Comprehensive High School.

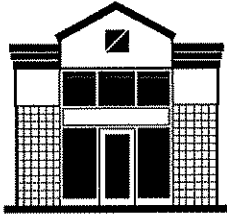
ZMM offers all of the following professional services within our organization:

PRE-DESIGN

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



Executive Summary		Index (Pages)
National Guard Bureau Area (NSF)		2
Overseas	36,023	
Sub-Total (NSF)	36,023	
Total (NSF)	69,216	
Department of Energy Area (NSF)		3-4
Training	4,186	
Operations	19,011	
Information Repository	18,144	
Facilities	528	
General Support	3,861	
Sub-Total (NSF)	47,300	
Total (NSF)	65,089	
AFFRC Area (NSF)		6
Facilities	17,100	
Administration	15,166	
Risk Group	4	
Locker Room	4	
Special Sections	17,100	
Sub-Total (NSF)	17,100	
Total (NSF)	18,968	
Joint Interagency Training Center - Esot Area (NSF)		6
Administration	11,773	
Facilities	73,500	
Other	33,277	
Sub-Total (NSF)	117,550	
Total (NSF)	48,678	
Gilbert Area (NSF)		7
Base	58,722	
Sub-Total (NSF)	58,722	
Total (NSF)	73,688	
Total Building Area Area (NSF)		
National Guard Bureau	69,216	
Department of Energy	65,089	
Armed Forces Readiness Center	18,309	
Joint Interagency Training Center	49,978	
Gilbert	73,688	
Total (NSF)	256,070	



Professional Services

DESIGN

Architectural Design
Sustainable Design
Interior Design
Landscape Architecture
Structural Engineering
Mechanical Engineering

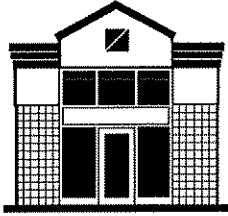
Electrical Engineering
Civil Engineering
Data System Design
Lighting Design
Energy Consumption Analysis



POST DESIGN

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





Repeat Clients:



Quality Assurance

The best way to determine our capabilities is by speaking to clients we have assisted on previous projects. Please review the recommendations letters contained in this brochure, or contact any of our previous clients. ZMM's quality assurance program will help ensure the success of your project.

We work hard at ZMM to be the best we can be. Quality professional services require a Quality Assurance Program and at ZMM this program assures our clients of designs which fully meet their expectations. Our program includes the following six major components:

Goals of Quality Control Program

Identifying Client Expectations & Project Requirements

Selecting Project Team

On-Going Project Appraisal

Post Project Review

Staff Training, Assessment and Enhancement

Knowing and understanding our clients expectations is our goal. Clients do not care what we know until they know that we care.

As part of our ongoing project appraisal we conduct quality assurance reviews at the following stages of every project:

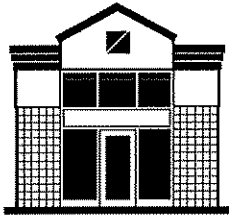
Schematic Design Phase

Design Development Phase

Working Drawing Phase

Construction Phase

We encourage our clients to participate in the quality assurance review process as much as possible. In most cases, the owner's participation is required to insure a quality project. The quality of our work is the key to our continued success and repeat client base.



Personnel

Architects

Steven Branner, AIA	Architect, President, Principal
David E. Ferguson, AIA	Project Architect, REFP, Principal
C. Henry Walker, AIA	Architect, LEED AP
Mark Epling, AIA	Architect, Specifications
Adam Krason, AIA	Architect, NCARB, LEED AP
Brian Estep, AIA	Architect

Engineers

Robert Doeffinger, PE	Engineer, VP, Principal
Steve Cook, PE	Mechanical/Electrical Engineer
Scot Casdorff, PE	Electrical Engineer
Steve Hedrick, PE	Structural Engineer
Mary Jo Cleland, PE	Civil Engineer

Designers & Technicians

Mike Abernethy	Electrical Design, LC, IESNA
Bob Groom	Mechanical Design Technician
Mike Flowers	Mechanical Design Technician
James Merritt	Intern
Matt Engle, AAIA	Designer
Lauren Smith, AAIA	Designer
Nate Spencer, AAIA	Designer
Jessica Olcott	Graphic Designer

Interior Designers

Jill Watkins, IIDA	Interior Designer, Sustainability Coordinator, LEED AP
Alana Pulay, IIDA	Interior Designer, LEED AP

Construction Administration

Glenn Savage, AAIA	Construction Administrator
David Unrue, AAIA	Construction Administrator
Theresa Dorsey	Administrative Assistant

Administration and Support Services

Rod Watkins, AAIA, REFP	Marketing, Educational Planning, Vice President, Principal
Dr. David Stewart	Director, Institutional Development
Steve Ledahawsky	Business Manager
Lisa Bowles	Executive Secretary
Delores Fisher	Receptionist
Robert Estep	Production Assistant





Steven Branner, AIA, NCARB

Position

Principal, ZMM, Inc.
Corporate Management
Architectural Programming
Architectural Design and Production

Education

B.S., Architecture; *University of Cincinnati, Cincinnati, Ohio; 1967*

Employment History

1967-1973, Project Architect; ZMM Inc.
1973-1982, Director of Architecture; ZMM, Inc.
1982-present, President; ZMM, Inc.

Professional Credentials

Registered Architect (WV, VA, OH, KY, FL, NY, CA)
NCARB Certification
Professional Member; American Institute of Architects (WV)
President, 1977 & 1978

Civic Affiliations

Member; South Charleston Rotary Club
Past member and Chairman, WV Archives & History Commission

Professional Experience

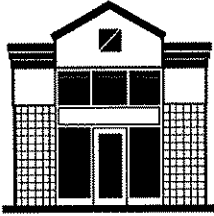
Mr. Branner has been employed with ZMM since 1967. His experience includes all aspects of the management, design, and production of small projects to those exceeding \$100M with an emphasis on Military / Public / Governmental Facilities, Correctional Facilities, and Industrial Facilities.

Mr. Branner also maintains an active role in each project in which he is the principal-in-Charge from it's inception through construction completion. Specific project responsibilities include contract negotiation, building programming, project budgeting, and scheduling, schematic design compliance with project requirements, cost estimating, quality control, and the general overview of each project to insure that client expectations are met.

Major clients overseen by Steve include:

West Virginia Army National Guard
Kanawha County Public Library
Charleston Area Medical Center (CAMC)
Highland Hospital
Dow Chemical Company
NGK Spark Plug Company
Cecil I. Walker Machinery Company
West Virginia General Services Division
West Virginia Regional Jail & Correctional Facility Authority





Adam R. Krason, AIA, NCARB, LEED AP

Position

Project Manager, ZMM, Inc.

Education

Bachelor of Architecture; *The Catholic University of America, Washington, D.C.; 1998*

B.S., Civil Engineering; *The Catholic University of America, Washington, D.C.; 1998*

Employment History

2003 - *Present*, Project Architect, ZMM, Inc.

1998 - 2003, Project Architect, Charleston Area Architectural Firm

1998, Consultant, Anderson Consulting

Professional Credentials

Registered Architect: West Virginia and Ohio

LEED Accredited Professional

Construction Specifications Institute – CDT

Member of American Institute of Architect

NCARB Certification

Civic Affiliations

West Virginia Vision Shared-Sustainable Economic Development Team

West Side Main Street Design Committee, Charleston, West Virginia

West Virginia Qualifications Based Selection Council

Development Council, St. Agnes School, Charleston, West Virginia

Professional Experience

Mr. Krason's experience includes all aspects of the design and production of small and large projects with an emphasis on Military, Public, Government Facilities, Educational Facilities and Industrial Facilities. Mr. Krason also serves on ZMM's Board of Directors.

Specific project responsibilities: building programming, code compliance review, assistance with the preparation of architectural specifications, project budgeting and scheduling, schematic design compliance with project requirements, and the general overview of each project to ensure client expectations.

Project Experience

West Virginia Army National Guard - Logan Readiness Center

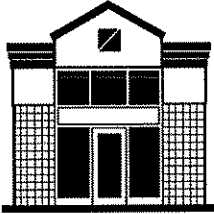
West Virginia Army National Guard - CFMO Expansion Project

Judge Donald F. Black Courthouse Annex

Nicholas County High School Renovation and Additions

The Boulevard at 2412 - Residential Development





Steven L. Cook, P.E.

Position

Senior Mechanical and Electrical Engineer, ZMM, Inc.

Education

B.A., English, West Virginia University, 1972

2 Years toward B. S., Mechanical Engineering, WVIT, 1974-1975

M.A., Humanities, Marshall University Graduate College, 2004

Employment History

1989-Present, ZMM, Inc., Senior Mechanical Engineer

1976-1989, Charleston Area Engineering Firm, Project Manager

1972-1976, Charleston Area Engineering Firm, Designer

Professional Credentials

Registered Engineer (WV)

Member of ZMM's Board of Directors

Member of ASHRE

Professional Experience

Mr. Cook started his career in 1972 as a designer for an engineering firm in Charleston, WV. He is a Professional Engineer registered in West Virginia. He has designed and engineered many projects throughout the state of West Virginia.

Responsibilities Include:

Mechanical Design and Engineering.

Serves as liaison between clients and utility companies.

Design of sanitary and gas site utilities, site utility specifications.

In-house review of plumbing, sprinkler system, fire pump, and domestic water booster pump designs.

Review of plumbing, fire protection specifications, and temperature control design.

Equipment selection - air handling units, pumps, and boilers, site visits, observation reports and punch lists.

Project Experience

Saint Albans High School

Lincoln County High school

Glen Jean Armed Forces Center

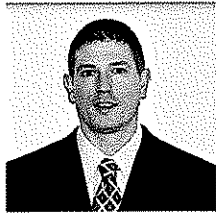
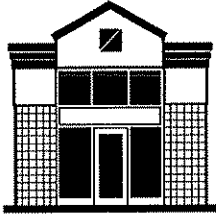
Logan Readiness Center

CFMO Expansion

State of WV Regional Jails

State of WV Juvenile Detention Centers

Judge Black Courthouse Annex



R. Scot Casdorff, PE

Position

Electrical Engineer, ZMM, Inc.

Education

B.S., Electrical Engineering; *West Virginia University Institute of Technology, Montgomery, West Virginia; 1995*

Employment History

2000 - Present, Electrical Engineer, ZMM, Inc., Charleston, WV
1995 - 1999, Electrical/Control Systems Designer, WV Engineering Firm

Professional Credentials

Professional Engineer (WV)

Professional Experience

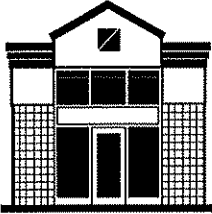
Mr. Casdorff started his career in 1995 as an electrical/control systems designer. He is responsible for Electrical Design and Engineering on various ZMM projects.

Responsibilities Include:

- Lighting Design (Interior & Exterior)
- Electrical Power Distribution
- Security System Design
- Data System Design
- Fire Alarm System Design
- Sound System Design
- Division 16 Specifications
- Electrical Drafting & Design CAD

Project Experience

- CFMO Expansion
- Glen Jean Armed Forces Center
- Logan-Mingo Readiness Center
- Morgantown Readiness Center
- WV Juvenile Detentions Centers
- Lincoln County High School
- Southside Elementary and Huntington Middle School
- Milton Middle School
- Wayne Elementary School
- Martha Elementary School
- Jaeger Elementary School



Stephen E. Hedrick II, PE

Position

Structural Engineer, ZMM, Inc.

Education

B.A., Civil Engineering, West Virginia University Institute of Technology, Montgomery, WV, 1996-2001

M.A., Civil Engineering - Structural, University of Tennessee Knoxville, TN, 2001-2003

Employment History

2007-Present, ZMM, Inc.

2003-2007, Principal Engineer, McCall Engineering, LLC, Sarasota, FL

2001-2003, Teaching Assistant and Thesis Research, University of Tennessee, Knoxville, TN

Professional Credentials

Professional Engineer (PE), 2007

Certified Engineer in Training (EIT), 2001

Professional Experience

Responsible for structural engineering design of residential structures, commercial structures, institutional structures and small scale bridges.

Researched and developed design criteria for structural insulated panels.

Prepared design calculations for earthquake and wind design of FRP tanks.

Supervised work of design engineers in preparation of construction documents.

Project Experience

Glen Jean Armed Forces Center - Joist Reinforcement

WV Cultural Center

Highland Hospital Design

Hacker Valley Elementary - Supplemental Support

Barboursville Middle School - Supplemental Support

Southside Elementary/Huntington Middle School

New River Elementary - Supplemental Support





Alana Pulay, IIDA, LEED-AP

Position

Interior Designer, ZMM, Inc.

Education

B.S., Interior Design; *The Ohio State University, Columbus, Ohio;*
2003

Employment History

2003 - Present, Interior Designer, ZMM, Inc.

2002 - 2003, Interior Design Intern, The Ohio State University Office
of Student Affairs

Professional Credentials

LEED-Accredited Professional (Commercial Interiors), 2008

Registered Interior Designer (WV)

NCIDQ Certificate, 2005

Professional Member IIDA

Professional Experience

Ms. Pulay has experience detailing and specifying interior elements and furnishings to successfully create design solutions that satisfy the clients within budget limitations. She has worked on many educational, correctional, corporate, industrial and retail projects.

Ms. Pulay is also actively involved in the programming and space planning efforts at ZMM. This involvement helps ensure that the interior environment matches the architectural design in quality, level of detail, and budget. Her involvement continues through the selection and installation of furnishings.

Project Experience

CFMO Expansion

Lincoln County High School

Erma Byrd Higher Education Center

Wayne Elementary School

Martha Elementary School

Valley Dale Elementary School

Salem/Gore Middle School

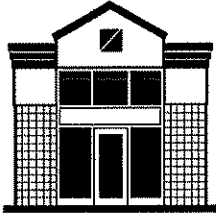
Kellogg

War K-8

Jaeger- Big Creek High School

Western Regional Jail

Robert L. Shell - Juvenile Center



Mark T. Epling, AIA, NCARB

Position

Specifications Writer, ZMM, Inc.

Education

B.A., Architecture; Virginia Polytechnic Institute and State University, Blacksburg, Virginia; 1977

Employment History

1998 - Present, Project Architect/Specification Writer, ZMM, Inc.

1997 - 1998, Project Architect, Ohio Architectural Firm

1982 - 1997, Self-Employed Architect

1978 - 1982, Intern Architect, Ohio Architectural Firm

Professional Credentials

Registered Architect (OH and WV)

NCARB Certification

CSI Technologist

Construction Document Technologist

Civic Affiliations

Professional Member, American Institute of Architects

Professional Experience

Mr. Epling has been employed with ZMM since 1998. Prior to working for ZMM, Inc., Mr. Epling worked for several architectural firms in Columbus, Ohio and later started and maintained his own private practice for 14 years in Gallipolis, Ohio. His experience includes the design and production of projects with an emphasis on Commercial, Educational, Correctional, Ecclesiastic, and Industrial Facilities.

Specific project responsibilities include development of Construction Drawings and Specifications.

Project Experience

CFMO Expansion

Glen Jean Armed Forces Center

Bradshaw Elementary School

Oak Hill Elementary

Hacker Valley Pre K -8 School

Milton Middle School

Barboursville Middle School

Southside Elementary/Huntington Middle School

laeger - Big Creek High School

Saint Albans High School

Beckley Higher Education Center

Dow Plant Headquarters





Nathaniel Spencer, Associate AIA

Position

Designer, ZMM, Inc.

Education

Bachelor of Architecture, University of Tennessee, Knoxville, TN, 2007

Architectural Drafting and Construction Technology, West Virginia State College, Institute, WV - College Credit received

Employment History

2007 - Present, Designer, ZMM, Inc.

2003 - 2006, Summer Intern, ZMM, Inc.

Professional Credentials

Associate Member; American Institute of Architects (WV)

Professional Experience

Mr. Spencer has been employed by ZMM since 2003 when he started working as an intern. Experience includes the production of architectural drawings throughout all phases of the project. Mr. Spencer has background developing both 3-D and physical models along with construction document production.

Mr. Spencer works closely with the project architect to efficiently produce clear and accurate drawings to ensure that client expectations are met.

Project Experience:

CFMO Expansion

Logan-Mingo Readiness Center

Morgantown Readiness Center

Ripley Readiness Center

Martha Elementary School

Hacker Valley Pre-K-8 School

Southside Elementary/Huntington Middle School

The Boulevard at 2412

Judge Black Courthouse Annex



David R. Unrue, AAIA

Position

Construction Administration, ZMM, Inc.

Education

Previously Certified by the WV Department of Highways as Nuclear Compaction Technician, Bituminous Concrete Technician, Aggregate Technician, Portland Cement Concrete Technician Certified Construction Document Technologist, Construction Specification Institute.

Employment History

1991-Present, ZMM, Inc.

1985-1991, West Virginia Board of Regents, Charleston, WV

1979-1984, Charleston Area Architectural Firm, Charleston, WV

Professional Credentials

CSI, Certified Construction Specifier (Construction Specification Institute)

CDT, Certified Construction Document Technologist

Civic Affiliations

Associate Member, American Institute of Architects, West Virginia

Project Experience

Various Projects for the WV Army National Guard

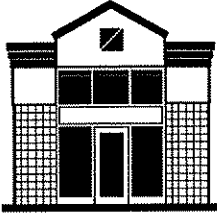
Cabell County Schools, WV

West Virginia Regional Jails

West Virginia Correctional and Juvenile Facilities

Job Corps Center, WV

Sears, Roebuck & Company, Retail Centers



Military Projects

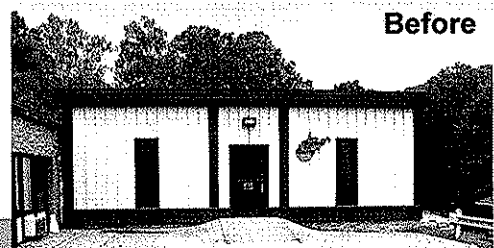
Construction & Facilities Management Office Charleston, WV

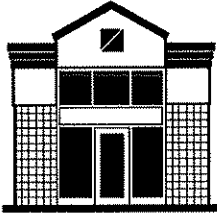
The Construction and Facilities Management expansion project will bring all of the operations of the CMFO together under one roof. The branches that will occupy this facility include: Director of Engineering, Environmental, Planning and Programming, Facility Operations & Maintenance, Business Management, Resource Management, and Design and Construction. This new facility 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. This transitional space was designed to connect the two structures, 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 at the rear of the building (on the north side) to take advantage of large expanses of glazing located to capture indirect light and views of Coonskin Park.

Size: 19,935

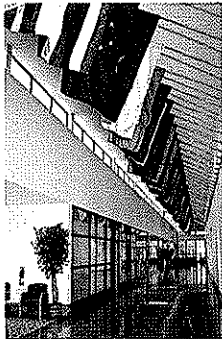
Completion Date: July 2007





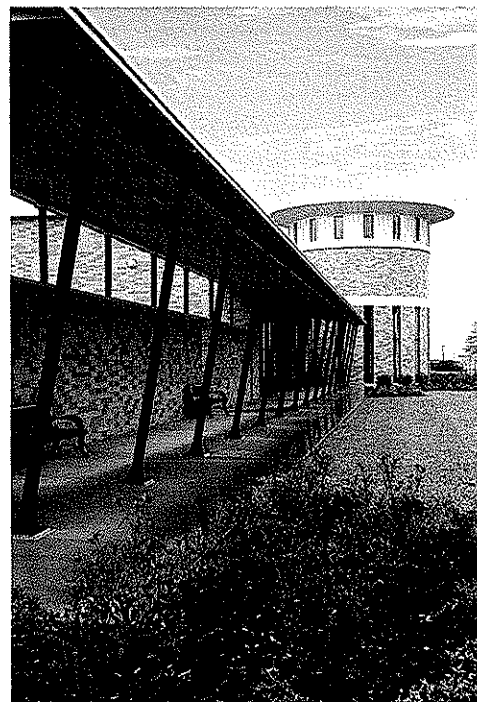
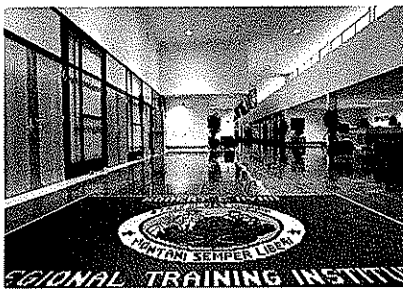
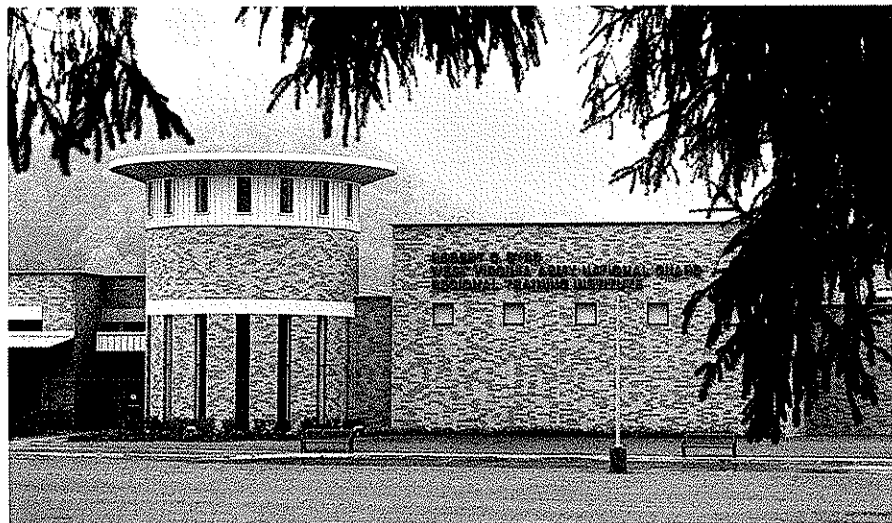
Military Projects

Robert C. Byrd Regional Training Institute Camp Dawson, WV



The Regional Training Institute at Camp Dawson is a new 148,066 square foot facility that will provide a setting for a variety of training classes, meetings, and conferences serving both military and civilian populations from the region and areas throughout the country. The facility includes classrooms, library, sleeping rooms, dining room, auditorium, swimming pool, Post Exchange and snack bar.

Size: 148,066 SF
Completion Date: 2002

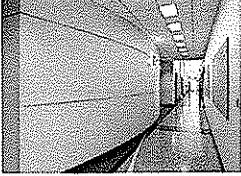




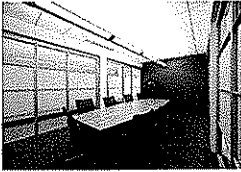
Higher Education Facilities

Erma Byrd Center

Public Higher Education Center
Beckley, WV



This project provides a central location for classroom and administrative space to be shared by six different colleges and universities. It is the first building of a planned campus environment to be comprised of other classroom buildings and research facilities.



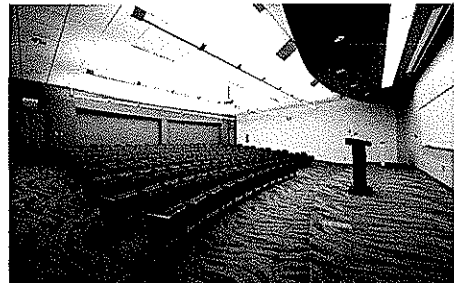
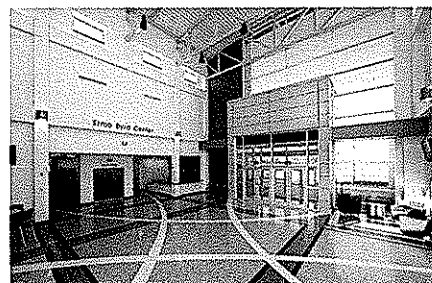
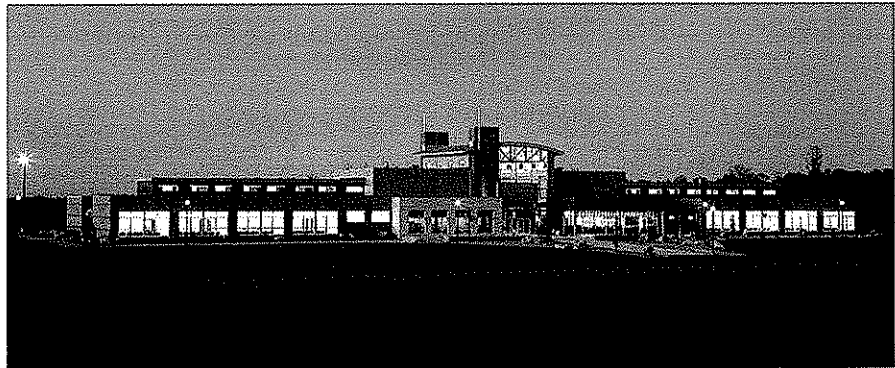
The project consists of 29,700 SF on the main level and 3,300 SF of mechanical mezzanine. Being a teaching facility, the building itself is designed to be a teaching tool. Daylighting is incorporated throughout the building and the mechanical equipment is designed to be viewed and monitored by students in a learning environment. Using data collected by various sensors, the control system can graphically display how all systems react to changes in environmental conditions.

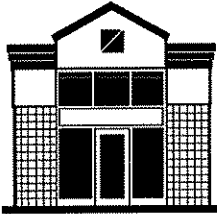


This project was funded by appropriations from Senator Robert C. Byrd, the Higher Education Policy Commission and a grant from the Appalachian Regional Commission.



Size: 33,000 SF
Cost: \$7.5M
Completed: August 2007





Military Projects

Armed Services Reserve Center

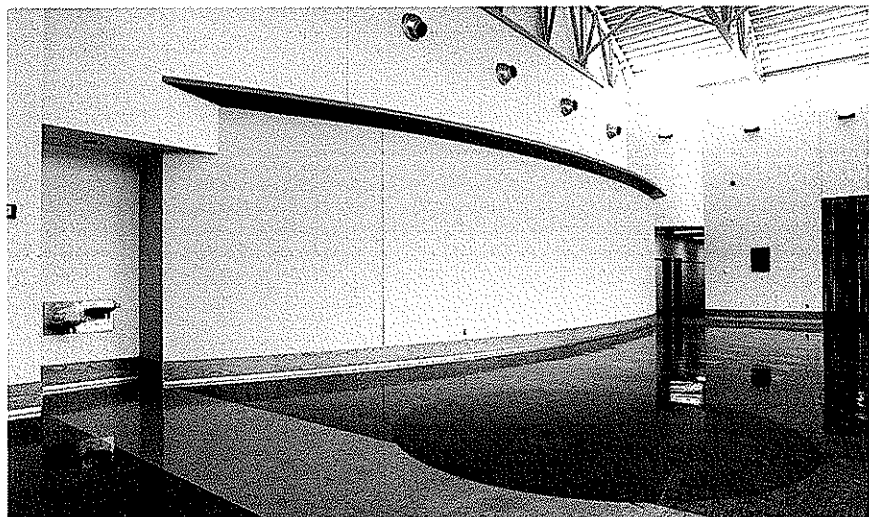
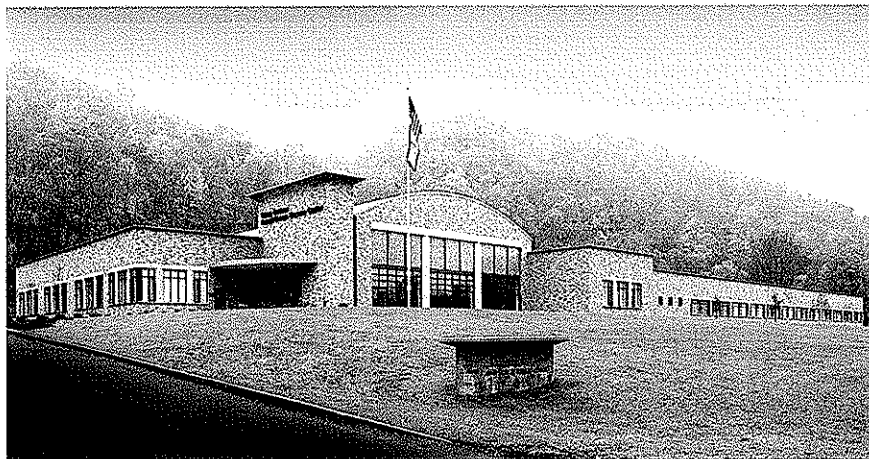
Camp Dawson, WV

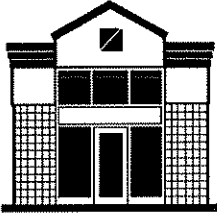
The Armed Forces Reserve Center will house five National Guard and Army Reserve Units and their support personnel. Its mission is twofold: first, to maintain readiness for its attached units and second, to serve as a resource to the surrounding community. The primary readiness mission for the center's attached units is accomplished by providing designated spaces for each unit as well as general educational and gathering spaces that can be shared among the units.

The building's community mission is to provide a gathering space for social functions, a shelter-in-place in times of natural disaster, and a community education resource with distance learning network capabilities. It also includes kitchen and dining facilities and physical fitness areas.

Size: 56,200 SF

Completion Date: June, 2000





Military Projects

Glen Jean Armed Forces Center

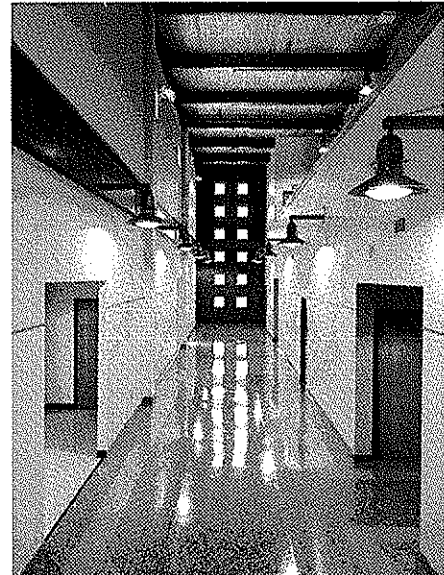
Glen Jean, WV

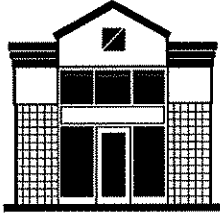
The Glen Jean Armed Forces Center contains three distinct military functions: a facility for routine maintenance of over-the-road and tracked military vehicles, an armory housing four West Virginia National Guard units and the Southern West Virginia Military Entrance Processing Station, where new recruits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

Size: 109,000 SF

Completion Date: 2003





Military Projects

Logan-Mingo Readiness Center

Logan, WV

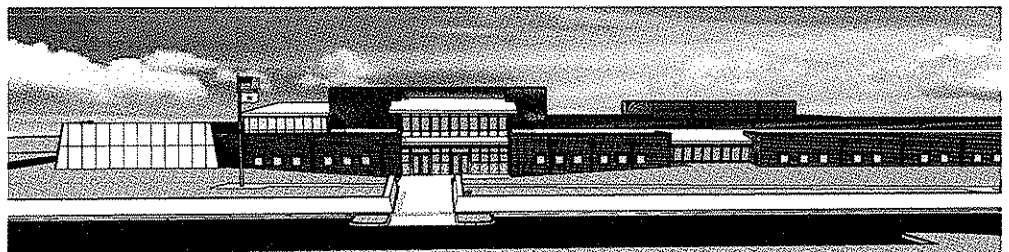
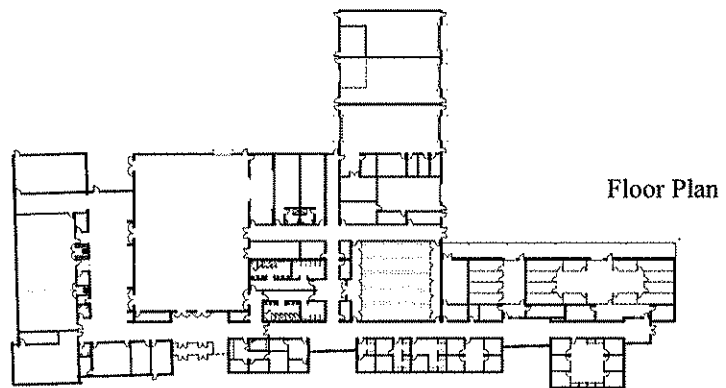
The design of the Logan-Mingo Readiness center was developed by examining both the program and building site, and developing strategies to design a facility that is functional, responds to site, security, and aesthetic parameters, while requiring minimal maintenance. The building layout was developed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

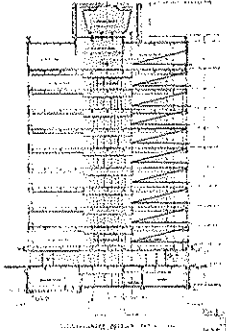
The exterior (and in many cases the interior) aesthetic of the facility was driven by the location of the Readiness Center within an industrial park on a reclaimed surface mined site. The decision led to the use of reinforced cast-in-place retaining walls that became both a functional and visual focus.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

Project Budget: \$12M

Size: 54,000 SF

Completion Date: TBD





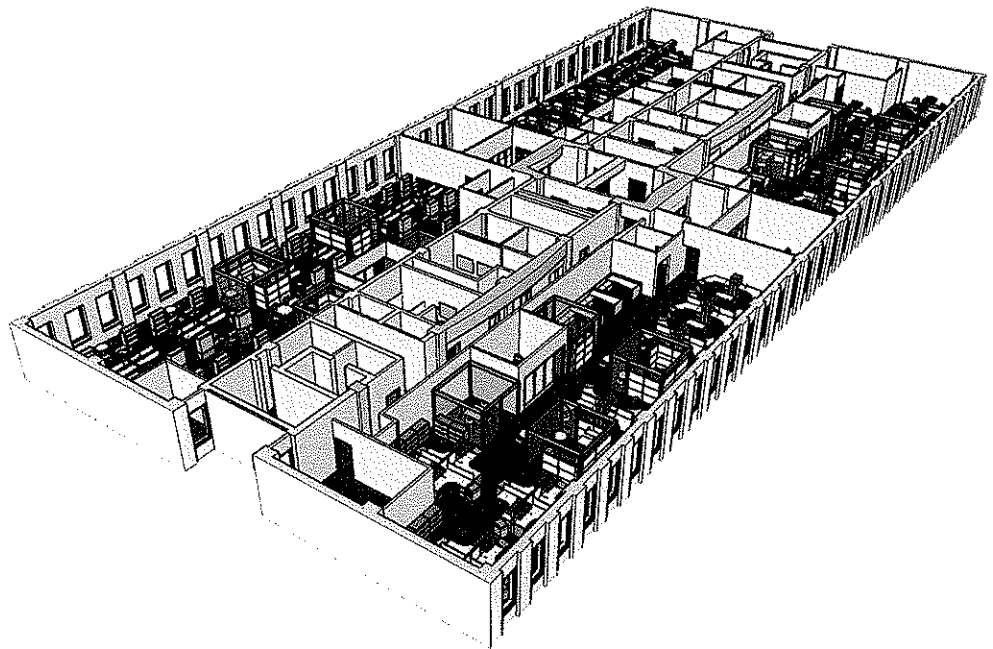
Renovation Projects

State of West Virginia Capitol Complex Buildings 5, 6, 7 Feasibility Study - Master Plan

ZMM is currently undertaking an in-depth analysis of Buildings 5, 6, and 7 on the Capitol Campus. The study includes the preparation of as-built plans, as well as an analysis of all building systems, including: Life Safety; Vertical Transportation; Mechanical; Electrical; Data; Façade; Structure; and Roofing. The analysis also includes a study related to potential hazardous materials in the facility.

Once the initial analysis is complete, ZMM will develop several options related to the rehabilitation of the existing facility. Prototypical floor plans are being designed currently as well as major infrastructure and utility upgrades. ZMM is also determining sustainable design principles that will be applicable as the renovations are undertaken. This study is scheduled for completion in June of 2008

Size: 500,000 SF





Military Projects

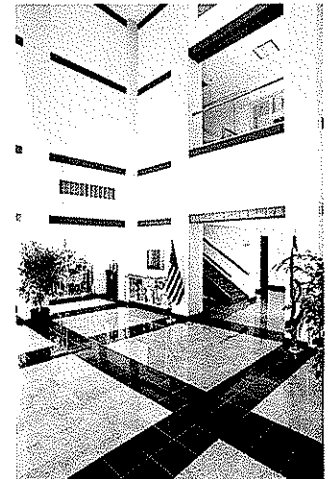
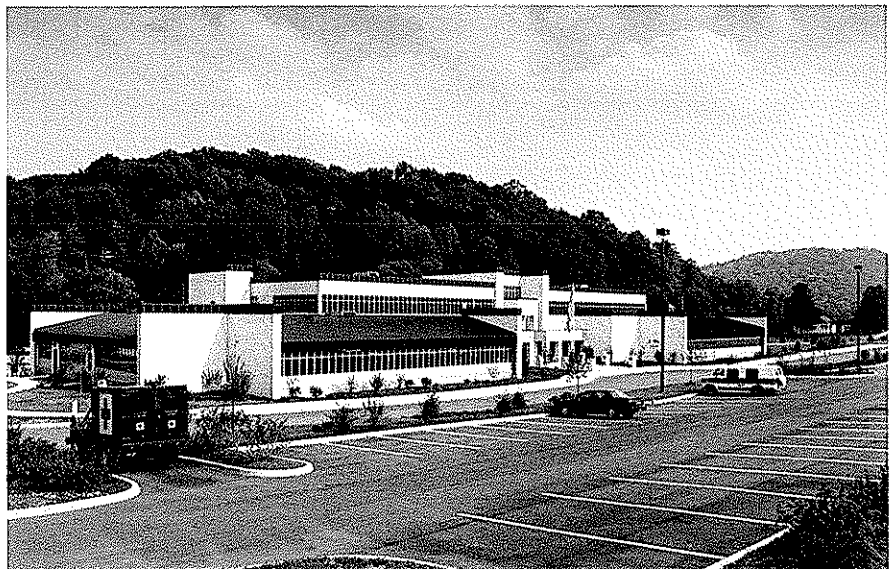
West Virginia Air National Guard

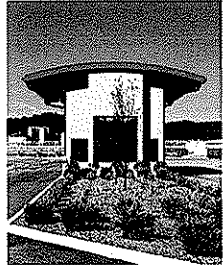
United States Air Force
Charleston, WV

The main façade upon approach to the Headquarters of the 130th Airlift Group includes an end-to-end expanse of ribbon windows interrupted by a vertical tower that includes a multi-story curtain wall system. The remainder of the façade is clad in masonry and insulated metal panels that emphasize the solid, secure nature of the facility. The building contains administrative offices, conference rooms, computer rooms, a clinic, locker and shower rooms, as well as recruiting offices for Air Force personnel. Direct digital controlled HVAC systems save energy by reducing temperatures in areas occupied intermittently.

Size: 90,000 SF

Completion Date: 1993





Renovation Projects

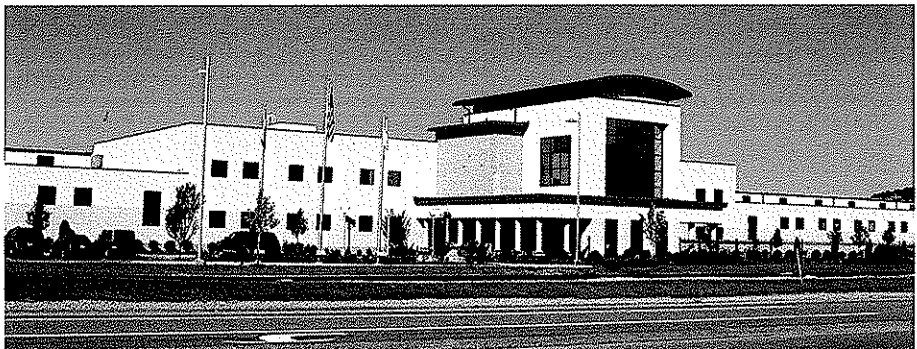
Dow Plant Headquarters Building

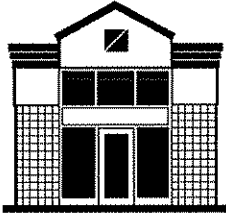
Dow Chemical Company
South Charleston, WV

ZMM was responsible for the master planning as well as architectural and engineering design for renovations and additions to the existing plant shop to serve as the main plant headquarters housing all plant maintenance and engineering personnel.

The design includes open office space, an emergency operations center, locker room, a lunch room and plant conference center.

Size: 27,200 SF
Cost: \$3M





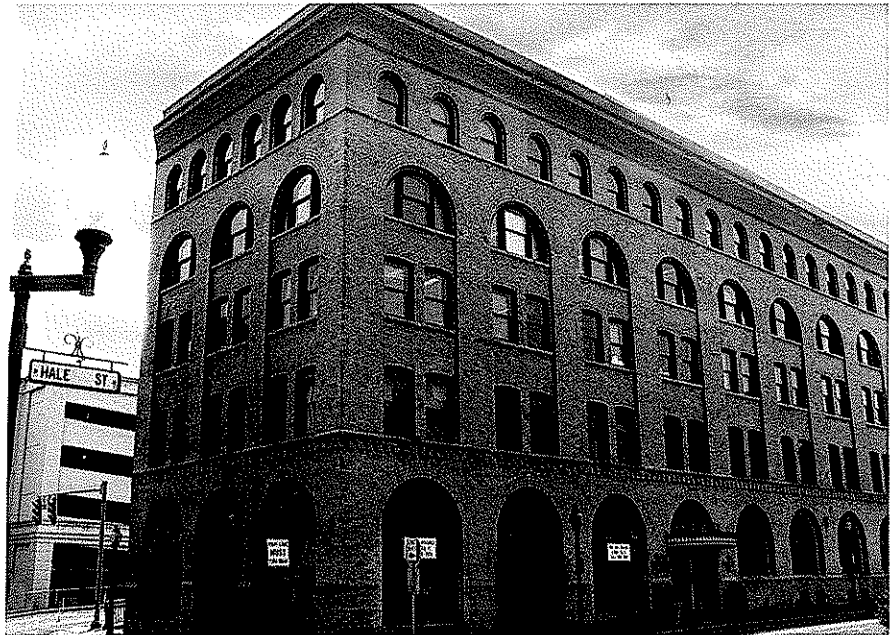
Office Projects

One Bridge Place

Charleston, WV, for Fisher Bryson Properties,
30,000 Sq. Ft.

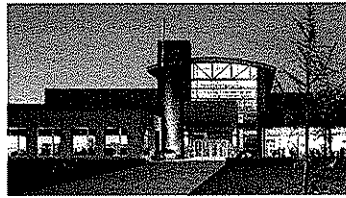
West Virginia Society of Architects, Design Award

Design challenge: Maintain the rustic appearance of an existing five story warehouse while renovating into modern commercial office space. Existing rough-hewed wood beams and columns, which framed the existing building, were restored and left exposed. Existing interior brickwork was also left exposed, transmitting the character of the existing structure to the new spaces. New mechanical and electrical systems, elevators and stair towers provide interior comfort, convenience and internal circulation.





AWARD WINNING DESIGN



2008

Erma Byrd Center

Beckley, West Virginia

AIA HONOR AWARD West Virginia Chapter
Excellence in Architecture

AMERICAN SCHOOL & UNIVERSITY
Outstanding Building Design



2007

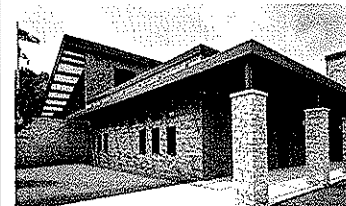
Lincoln County High School

Hamlin, West Virginia

AIA HONOR AWARD West Virginia Chapter
Excellence in Architecture

EDUCATION DESIGN SHOWCASE
Project of Distinction award

AMERICAN SCHOOL & UNIVERSITY
Outstanding Building Design

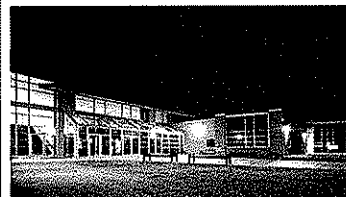


2006

Gene Spadaro Juvenile Center

Mount Hope, West Virginia

AIA MERIT AWARD West Virginia Chapter
Achievement in Architecture



2004

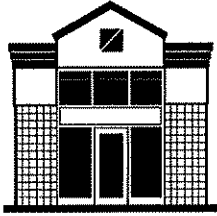
St. Albans High School

St. Albans, West Virginia

IMPACT ON LEARNING AWARD
Effective Transformation

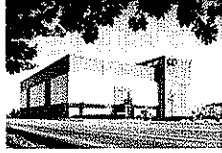
EDUCATION DESIGN SHOWCASE
Outstanding Building Design

AMERICAN SCHOOL & UNIVERSITY
Outstanding Building Design



ADDITIONAL AWARD WINNING DESIGN

WEST VIRGINIA SOCIETY OF ARCHITECTS Design Honor Awards



Corporate Headquarters Facility
Blue Cross / Blue Shield of West Virginia
Charleston, West Virginia



John XXIII Pastoral Center
Wheeling-Charleston Diocese
Charleston, West Virginia



Corporate Office Building
Contractors' Association of West Virginia
Charleston, West Virginia



One Bridge Place Office Renovation
Fisher-Bryson Properties
Charleston, West Virginia

UNITED STATES NAVY

Admiral's Commendation

Operations Building Alterations
Naval Security Group
Sugar Grove, West Virginia

CONSTRUCTION SPECIFICATIONS INSTITUTE

Honorable Mention

Restoration and Renovation Projects
Cottage Renovations to Federal Prison Camp
Alderson, West Virginia

STONEWALL JACKSON LAKE

Merit Award

Design and Environmental Program
Recreation Area Basic Park
Weston, West Virginia

