



ARCHITECTS & ENGINEERS

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PURCHASING DIVISION
STATE OF WV

March 31, 2009

Mr. John Abbott, Buyer
Department of Administration, Purchasing Division
2019 Washington Street, East
P.O. Box 50130
Charleston, West Virginia 25305-0130

**Subject: St. Albans Armory Addition/Renovation - Requisition #DEFK9018
West Virginia Army National Guard**

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 Additions and Renovations to the St. Albans Armory for the West Virginia Army National Guard (WVARNG). We are confident that our recent experience working with the WVARNG, our commitment to creating innovative and award winning facilities, and our recent renovation experience will make ZMM a great partner for the WVARNG.

Since 1959, ZMM has been consistently recognized as one of the largest, fully integrated architecture and engineering firms in the State of West Virginia. 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 and prepare construction documents and provide construction administration services for the Additions and Renovations to the St. Albans Armory.

Thank you for taking the time to review the attached brochure that outlines detailed information regarding the history, services, personnel, experience, and qualifications of ZMM. We look forward to meeting with you in the near future to review our qualifications, and to discuss our capabilities in more 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:

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code*. The vendor **must** make said affirmation with its bid submission. Further, 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. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.

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

Vendor's Name: ZMAS INC.
Authorized Signature: [Signature] Date: 3/31/2009

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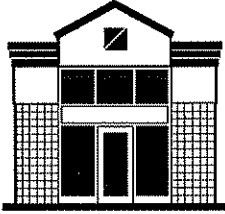
Personnel & Expertise _____ Section 2

Military Experience _____ Section 3

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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 approximately 35 people. Since then, Dave Ferguson, Rod Watkins, and Adam Krason 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 deliver our designs.

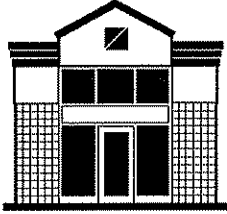




History & Philosophy of ZMM

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 a 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.

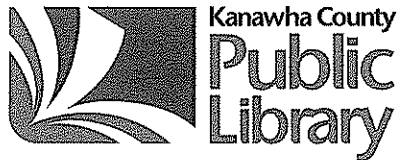


History & Philosophy of ZMM

COMMUNITY SUPPORT

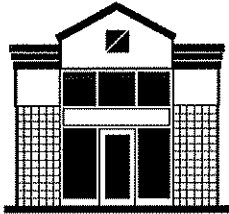
In addition to our design efforts, **ZMM** is supportive of institutions and organizations that contribute to the cultural and educational landscape in West Virginia.

ZMM offers financial support to several community and state-wide institutions which 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) which 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. 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. ZMM has five LEED accredited Professionals on staff to address 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 our projects.

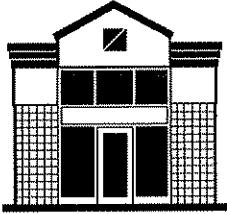
ZMM offers all of the following professional services within our organization:

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
Operations	58,093	
Sub-Total (NSF)	58,093	
Total (GSP)	12,814	
Department of Energy Area (NSF)		3, 4
Training	4,180	
Operations	18,911	
Information Technology	18,140	
Analysis	300	
General Support	1,301	
Sub-Total (NSF)	42,832	
Total (GSP)	65,283	
AFRC Area (NSF)		5
Function	0	
Administration	12,189	
Unit Storage	0	
Local Home	0	
Special Functions	0	
Sub-Total (NSF)	12,189	
Total (GSP)	16,808	
Joint Interagency Training Center - East Area (NSF)		6
Administration	11,273	
Education	21,500	
Other	0	
Sub-Total (NSF)	32,773	
Total (GSP)	48,875	
Bilting Area (NSF)		7
Office	65,252	
Sub-Total (NSF)	65,252	
Total (GSP)	75,866	
Total Building Area Area (GSP)		
National Guard Bureau	12,814	
Department of Energy	65,283	
Armed Forces Readiness Center	16,808	
Joint Interagency Training Center	48,875	
Bilting	75,866	
Total (GSP)	254,670	





Professional Services

DESIGN

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

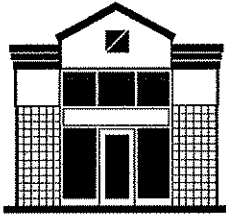
Electrical Engineering
Civil Engineering
Data System Design
Lighting Design
Energy Consumption Analysis



POST DESIGN

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

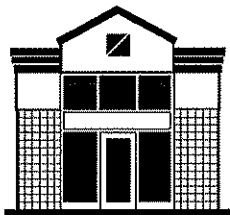




Quality Assurance

At ZMM, we strive to be the best. Our Quality Assurance Program is one step in the process of exceeding our clients' expectations. This program includes the following six components:

1. **Selecting the Project Team**
ZMM's diverse staff ensures that each project team is made up of highly qualified members, each dedicated to the project's success.
2. **Identifying Project Requirements**
Project team members are fully integrated in each phase of the design process, ensuring a quality project from the beginning, and so are better able to take advantage of early sustainable design decision-making.
3. **Identifying Client Expectations**
Knowing and understanding our clients' expectations is our goal. This knowledge gives ZMM a baseline for exceeding expectations.
4. **Ongoing Project Reviews**
As part of the ongoing project reviews, we conduct quality assurance evaluations during each stage of the project:
 - Schematic Design Phase
 - Design Development Phase
 - Construction Documents Phase
 - Construction Administration Phase
5. **Post Project Review**
At the completion of every project, ZMM staff members participate in a learning session to gain insight useful for future projects.
6. **Staff Training, Assessment and Enhancement**
Ongoing staff development and training is very important to ZMM. Providing increased opportunities for learning and advancement leads to happier employees and even more successful projects.

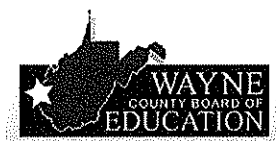


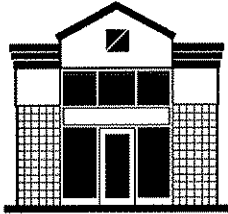
Ongoing Clients

The quality of our work is key to our continued success and repeat client base.



Lincoln County Schools





History of CEI

Capitol Engineering is a locally owned consulting engineering firm founded in 1999. CEI has steadily grown since its inception with three employees. CEI possesses in-house services in civil, environmental and mining engineering, contract administration, and surveying and mapping. Our staff is made up of two Professional Engineers, a Professional Surveyor, Project Engineers and Scientists, CAD Operators, Technicians, and administrative personnel.

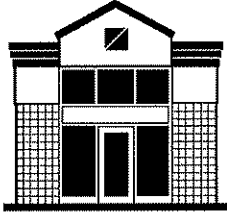
Our client base is comprised of contractors, architects, engineers, developers, private industry, and federal and state agencies. Capitol Engineering, Inc. (CEI) proposes to perform civil engineering and surveying services for the West Virginia National Guard to develop engineering plans and specifications for the Jackson County Readiness Center.

We have experience planning, designing, specifying, preparing contract documents, bidding and performing contract administration on many types of military facilities including Readiness Centers, Airfields, Training Areas and Ranges. Our experience and resources give us the ability to handle both complex and routine projects.

CEI offers the highly specialized experience, attention to minute detail, and the unparalleled level of personal client support provided by a small boutique firm. We are particularly attractive because:

- Our management, engineering and professional staff has a combined total of over 120 years of experience – much of it acquired while working on military facilities.
- Staff has participation and completion of 30 National Guard projects in West Virginia.
- Management team has 30+ years and over 50 projects total specialized experience providing timely, cost effective construction documents for military facilities.
- Experience to successfully handle all design situations and problem types anticipated to occur under this contract.
- Construction and Facilities Maintenance Office satisfaction with prior work/projects performed by key staff members.

CEI



CEI Professional Services

A complete list of services is as follows:

Civil Engineering

Geotechnical Engineering
Project Management
Rail Siding Design
Roadway Design
Site Development & Grading Plans
Siting Studies
Slope Stability Analysis
Stormwater Systems
Wastewater Treatment System

Environmental Engineering

Environmental Due Diligence
Environmental Site Reviews
Erosion & Sedimentation Control
NPDES, GPCC, SPCC Plans
Solid Waste & Landfill Design
Stormwater Management Plans

Surveying & Mapping

Control Surveys
Floodplain Studies
GPS Surveys
Mineral Reserve Surveys
Planimetric Surveys
Quantity Determination Surveys
River & Lake Soundings
Topographic Survey

Construction Administration

Bid Analysis & Management
Construction Observation
Damage Settlement
Submittal Review

Mining Engineering

Abandoned Mine Land Reclamation
Acid Mine Drainage Passive Treatment
Geologic & Hydrologic Evaluations
Mine-Related Subsidence Investigations
Mining Permits, Modifications, & IBR's
Reclamation Liability Audits
Surface Mine Surveying & Mapping

CEI



Adam R. Krason, AIA, NCARB, LEED AP

Position

Project Manager

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

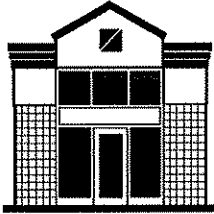
West Virginia Army National Guard - Morgantown Readiness Center

Judge Donald F. Black Courthouse Annex

State Office Building 5, 6, & 7 Analysis

The Boulevard at 2412 - Residential Development





Robert M. Fuller, PE

Position

Principal, Capitol Engineering, Inc.

Education

M.S., Engineering, Marshall University Graduate College, 1997
B.S., Engineering Technology, West Virginia Institute of Technology, 1989

Employment History

2000 - Present, Capitol Engineering Inc., Charleston WV

Professional Credentials

Society of American Military Engineers
American Society of Civil Engineers
American Institute of Architects
Construction Specifications Institute

Professional Experience

Project Manager with fifteen (15) years of experience with site investigation, planning, design and contract administration services on military, site development and mine reclamation projects. Mr. Fuller has been fully responsible technically, managerially and administratively for the planning, investigation, design and contract document preparation for over fifty (50) projects in the State of West Virginia.

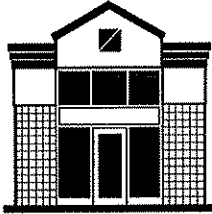
Mr. Fuller has served as Associate Professor of Civil Engineering Technology at West Virginia University Institute of Technology on a full-time, part-time and adjunct basis.

Project Experience

Mr. Fuller was principal or project manager for the following West Virginia Army National Guard Projects completed by Capitol Engineering, Inc.

Ripley Armed Forces Reserve Center
Elkins Armed Forces Reserve Center
Fairmont Armed Forces Reserve Center
Morgantown Readiness Center
Summersville Readiness Center
Kingwood Readiness Center
Glen Jean Armed Forces Reserve Center
Logan County Feasibility Study
Mingo-Logan Siting Study
Camp Dawson Runway Extension
Camp Dawson Fuel Canopies
Williamson Armory Wash Pad and Military Parking

CEI



Robert C. Doeffinger, P.E.

Position

Principal, Engineering Project Manager
Corporate Management, Project Management and Coordination,
Engineering Programming and Design

Education

B.S., Mechanical Engineering; *West Virginia University,
Morgantown, West Virginia; 1973*
M.S., Architectural Engineering; *Pennsylvania State University,
University Park, Pennsylvania; 1976*

Employment History

1982-present, Vice-President, Secretary and Treasurer; ZMM, Inc.
1977-1982, Director of Engineering; ZMM, Inc.
1976-1977, Mechanical and Architectural Engineer; ZMM, Inc.

Professional Credentials

National Council of Examiners for Engineering and Surveying
(NCEES)
Registered Engineer (WV, TN, FL, PA, VA, NC, SC, ME, OH, NH,
NY, KY)
Member; ASHRAE - Chairman, Technical Committee 4.1 - HVAC
Load Calculations

Civic Affiliations

Councilman; City of Point Pleasant, WV
Director; Mason County Development Authority
Director; Point Pleasant River Museum
Member; West Virginia Institute of Technology Electrical Engineers
Technical Advisory Committee

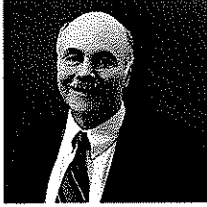
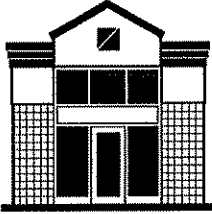
Professional Experience

Mr. Doeffinger is Principal-in-Charge of Engineering. 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.

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 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.





Steven L. Cook, P.E.

Position

Senior Mechanical and Electrical Engineer

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

WV Army National Guard - Glen Jean Armed Forces Center

WV Army National Guard - Logan Readiness Center

WV Army National Guard - CFMO Expansion Project

State of West Virginia Regional Jails

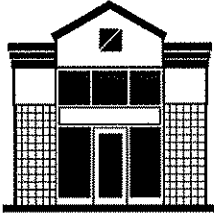
State of West Virginia Juvenile Detention Centers

Highland Hospital

Saint Albans High School

Lincoln County High school





R. Scot Casdorff, PE

Position

Electrical Engineer

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

Lincoln County High School

Southside Elementary and Huntington Middle School

Milton Middle School

Wayne Elementary School

Martha Elementary School

Jaeger Elementary School

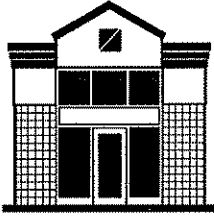
West Virginia Juvenile Detentions Centers

Logan Readiness Center

Morgantown Readiness Center

CFMO Expansion

Glen Jean Armed Forces Center



Stephen E. Hedrick II, PE

Position

Structural Engineer

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

New River Elementary - Supplemental Support

Hacker Valley Elementary - Supplemental Support

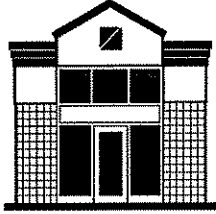
Barboursville Middle School - Supplemental Support

Southside Elementary/Huntington Middle School

Glen Jean Armed Forces Center - Joist Reinforcement

West Virginia Cultural Center

Highland Hospital



Military Projects

Ripley Armed Forces Reserve Center

WV Army National Guard
Milwood, WV

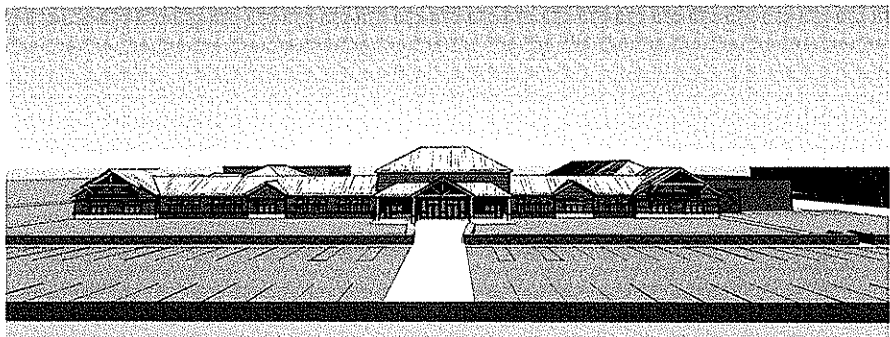
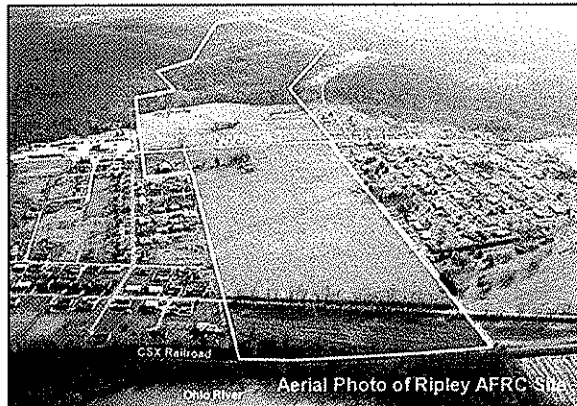
The Ripley Armed Forces Reserve Center Project includes a Readiness Center, a maintenance shop and an equipment storage building. The complex consists of over 50,000 square feet of heated space, additional unheated storage and approximately 22,000 square yards of rigid and flexible paving. The new facility occupies a 335 acre tract on the former Eastern Star property near Millwood in Jackson County. Capitol Engineering, Inc. (CEI) is performing all of the site investigation and site/civil design aspects of the project. This project has an estimated cost of \$20,000,000.

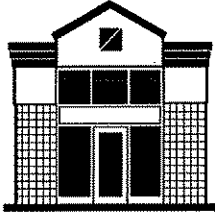
The project includes the following major design elements:

1. Utilities and general site features
2. Military equipment parking, vehicle wash and fueling facilities, and loading ramp
3. Access roads and civilian parking lots

The project included the following site investigation elements:

1. Preliminary engineering, planning, and field reconnaissance
2. Surveying and mapping
3. Geotechnical investigation and laboratory testing
4. Drainage and construction easements





Military Projects

Morgantown Readiness Center

West Virginia Army National Guard
Monongalia County, West Virginia

The Morgantown Readiness Center complex consists of over 50,000 square feet of heated space, additional unheated storage and approximately 32,000 square yards of rigid and flexible paving. The new facility will occupy a 35 acre tract on a former runway at the Morgantown Municipal Airport in Monongalia County. Capitol Engineering, Inc. (CEI) is performing all of the site investigation and site/civil design aspects of the project. Total project cost is estimated to be \$20,000,000.

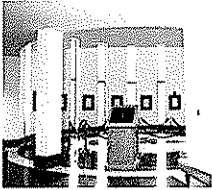
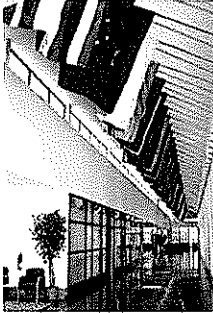
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1. Preliminary engineering, planning, and field reconnaissance
2. Surveying and mapping
3. Geotechnical investigation and laboratory testing
4. Mine subsidence investigation
5. Utility and construction easements





Military Projects

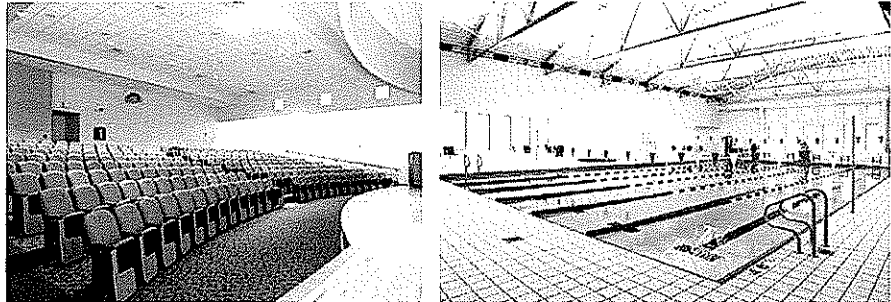
Robert C. Byrd Regional Training Institute
West Virginia Army National Guard

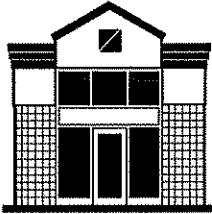
The Robert C. Byrd Regional Training Institute at Camp Dawson is a new 148,000 SF facility designed to provide training, dormitory, dining, and recreational facilities for the West Virginia Army National Guard. The facility, which includes 183 private dormitory rooms in addition to a wide range of training spaces is designed to accommodate a variety of both military and civilian training functions.

In addition to the housing and educational components, the facility also includes dining and recreational functions, including: a full-service dining hall; a snack-bar; a fitness center; a nautatorium; as well as multiple group "break-out" or study rooms.

The design employs a large cylindrical mass that marks the main entry where guests can coordinate both their housing and educational needs. The housing wing is joined to the recreational and educational components with a large gathering/transitional space that often serves as an informal meeting area. Due to the success of the project, and growing use of the facilities, ZMM is currently assisting the West Virginia Army National Guard as they explore potential training and dormitory expansions.

Size: 148,000 SF
Total Project Cost: \$21M
Completed: 2002





Military Projects

Armed Services Reserve Center

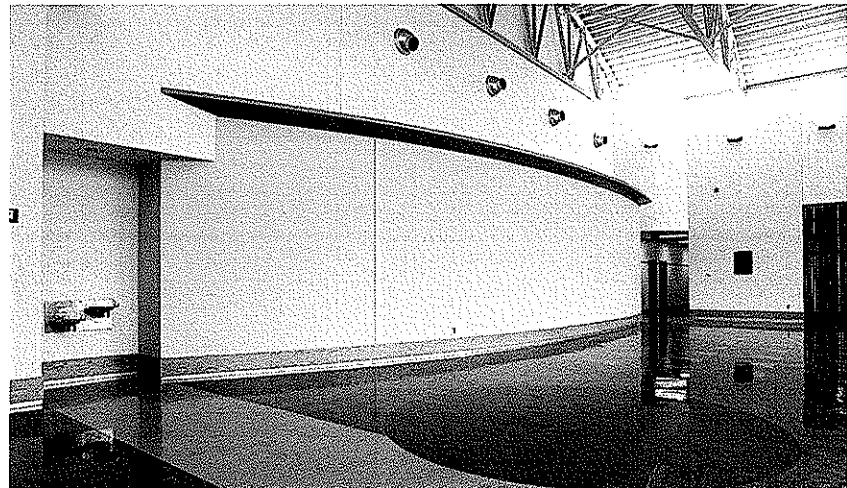
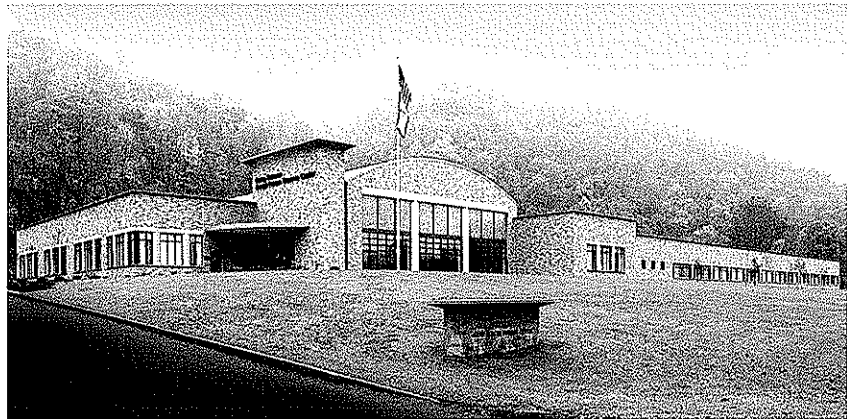
Camp Dawson, WV

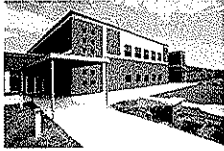
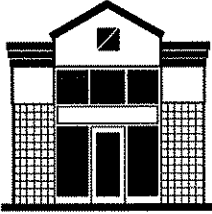
The Armed Forces Reserve Center will house five National Guard and Army Reserve Units and their support personnel. Its mission is twofold: first, to maintain readiness for its attached units and second, to serve as a resource to the surrounding community. The primary readiness mission for the center's 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

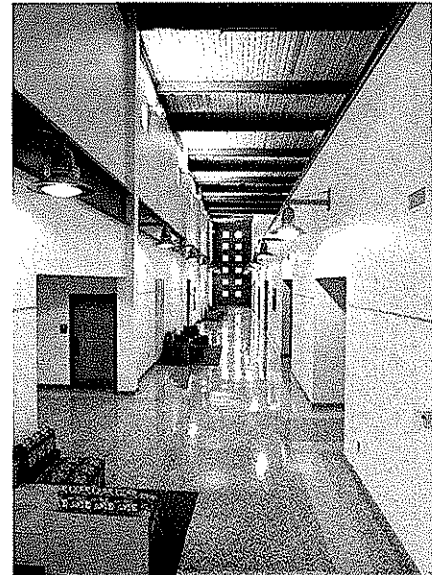
Glen Jean, WV

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

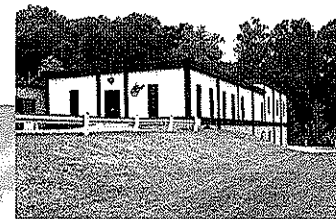
Construction & Facilities Management Office West Virginia Army National Guard Charleston, WV

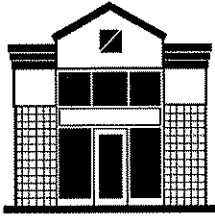
The Construction and Facilities Management Office (CFMO) Expansion project will bring all of the operations of the CFMO together under one roof. The branches that will occupy this facility include: Director of Engineering, Environmental, Planning and Programming, Facility Operations & Maintenance, Business 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 on the north elevation to take advantage of large expanses of glazing located to capture indirect light and views of Coonskin Park.

Size: 19,935 SF
Cost: \$3.6M
Completed: January 2008

Before





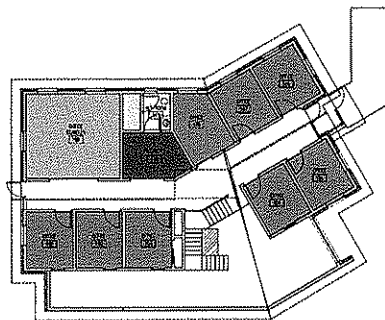
Military Projects

Family Readiness Center

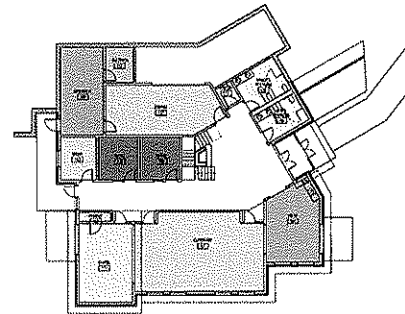
West Virginia Army National Guard
Charleston, West Virginia

The Family Support Center is a two story brick building with a sloped roof stepped into the wooded hillside adjacent to the Army National Guard facilities in Charleston, West Virginia. The building is designed to provide for a multitude of military family assistance, guidance, education, training, and mentoring programs.

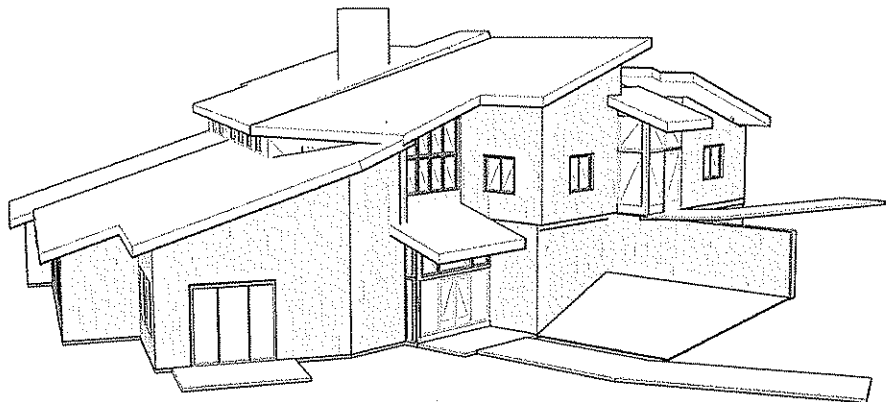
The support center contains 11 office spaces, a chapel, and a variety of classroom and meeting spaces for various programs. The building provides an abundance of natural light and a central fireplace to project a warm comforting and supportive atmosphere.

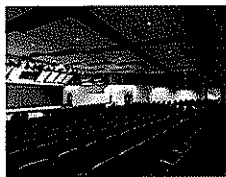
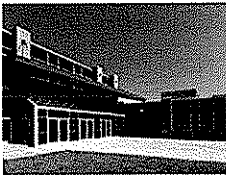
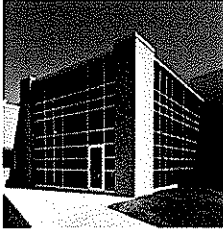


Upper Level



Lower Level





Renovation Projects

St. Albans High School

Kanawha County Schools

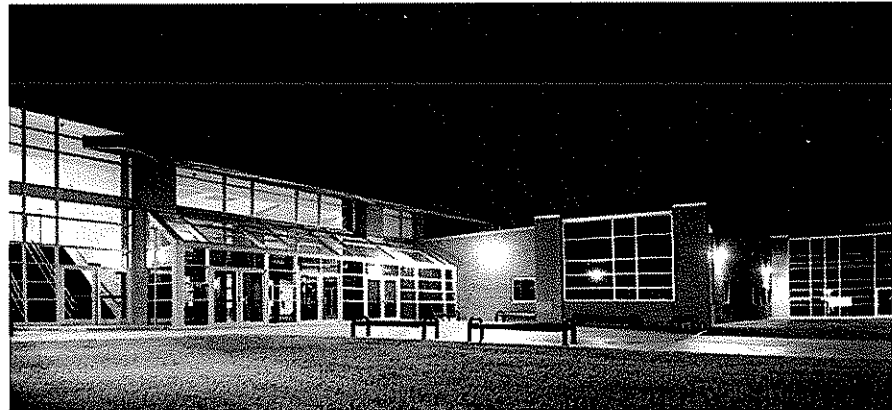
St. Albans, WV

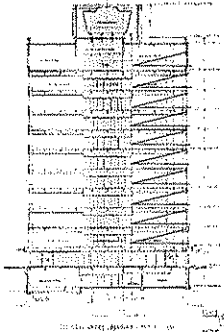
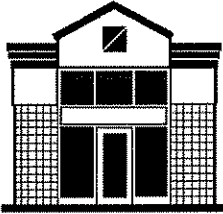
The renovation and additions to St. Albans H. S. include the razing of about 40% of the existing structure and the construction of 124,000 SF of new facility. The completed facility house 1050 students, grades 9 thru 12. The new facility includes a distance learning center with duplex teleconferencing, and a state of the art media center with technology distribution throughout the entire facility.

It also includes complete food service facilities and a commons/dining area, which serves as the focal point for access to the gymnasiums and auditorium. *Project of Distinction and Effective Transformation Design Awards.*

Size: 172,596 SF

Completion Date: 2003





Renovation Projects

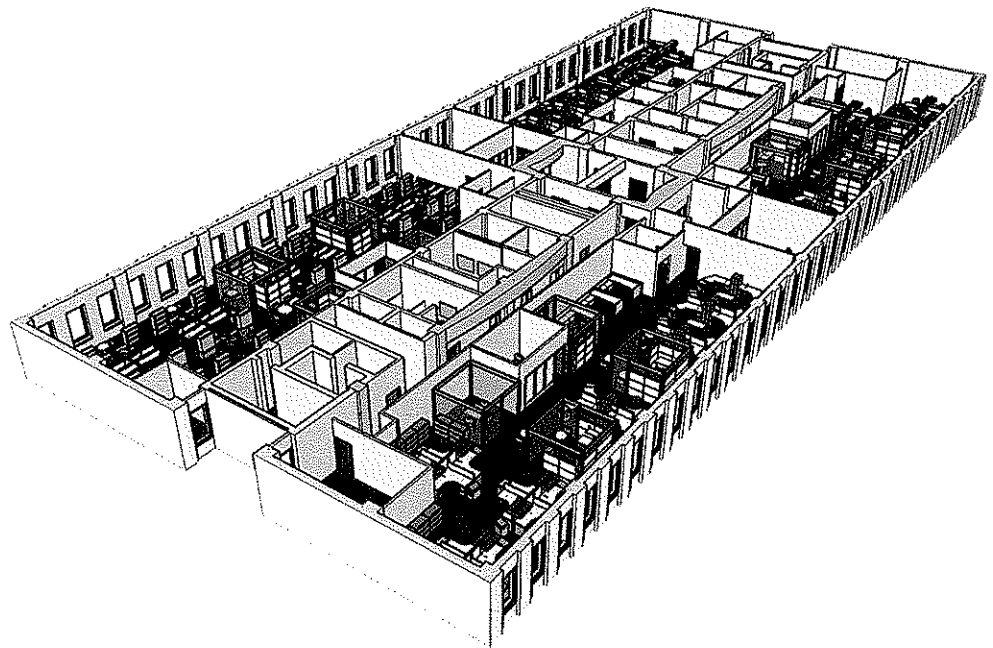
State of West Virginia Capitol Complex Buildings 5, 6, 7 Feasibility Study - Master Plan

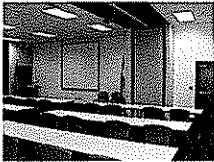
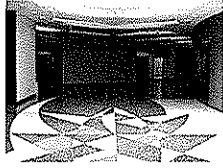
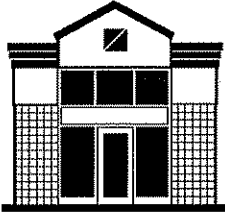
ZMM is currently undertaking an in-depth analysis of Buildings 5, 6, and 7 on the Capitol Campus. The study includes the preparation of as-built plans, as well as an analysis of all building systems, including: Life Safety; Vertical Transportation; Mechanical; Electrical; Data; Façade; Structure; and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

Additionally, ZMM has commenced with the design of the 10th floor for the office of technology.

Size: 500,000 SF
Cost: TBA
Completed: TBA
Owner: Mr. David Oliverio, Director
General Services Division
1900 Kanawha Blvd., East
Charleston, WV 25305
304.558.3517





Renovation Projects

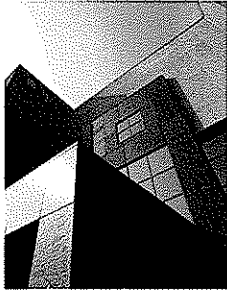
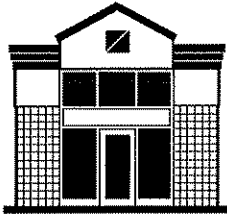
Judge Black Courthouse Annex Parkersburg, WV

The Judge Black Annex project involved renovating an existing commercial building into county office and courtroom space for the Sheriff's Tax Office, Assessor's Office, Prosecuting Attorney's Office, and the Family Court. The design provided both secure and non-secure circulation, while taking advantage of the existing structural configuration to create large open volumes that lend the building prominence.

The interior design utilized rich colors and dramatic visual accents in public areas, with finishes selected for durability. Layered planes of varying colors accent the building's depth, and skylights provide daylight to county staff throughout the renovated office areas. Exterior improvements included the elimination of an existing storefront system as well as a change in the fenestration, to more closely match the existing courthouse and to change the character and typology of the existing facility.

Size: 36,828 SF
Cost: \$3.5M
Completed: 2005
Owner: Mr. Rick Modesitt, Commissioner
The County Commission of Wood County
No. 1 Court Square, Suite 203
Parkersburg, WV 26101
304.424.1984





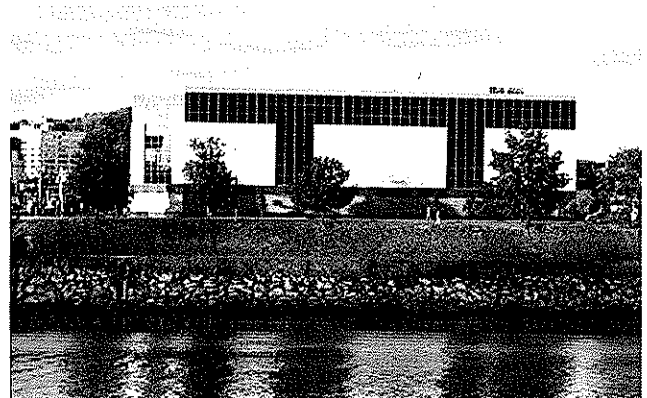
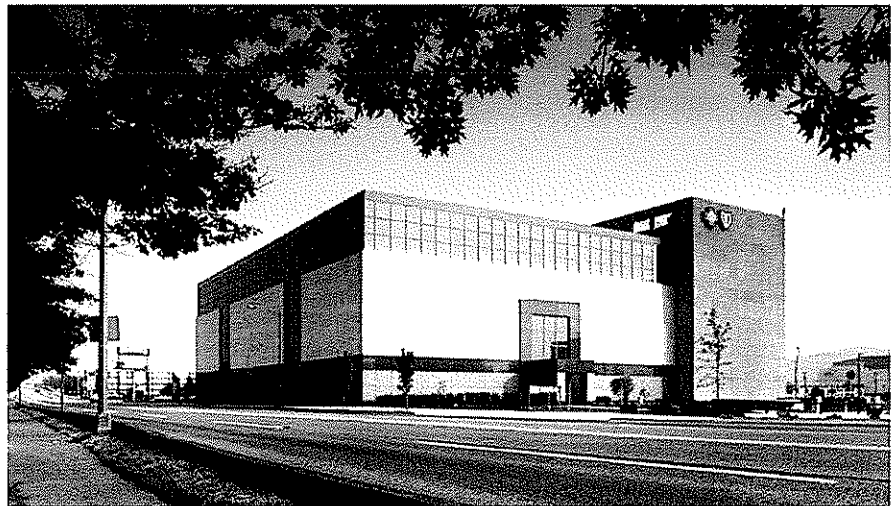
Renovation Projects

Blue Cross Blue Shield Headquarters Building Charleston, West Virginia

An existing three story Sears Roebuck retail facility was purchased by this client and completely renovated and expanded to provide space for corporate headquarters. A fourth floor of 25,000 SF was added, a significant structural engineering feature. The exterior of the building was clad in limestone and granite veneer with reflective glass windows and spandrel panels, masking the new floors presence.

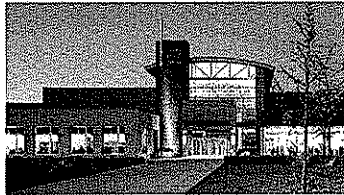
Space within the facility includes open landscaped office areas, conference and meeting rooms, a central computer room, and employee dining and lounge areas. Two high speed elevators and a new entrance were added to provide internal circulation. Each floor is served by new, individual VAV air conditioning systems. *West Virginia Society of Architects Design Award.*

Size: 110,000 SF





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

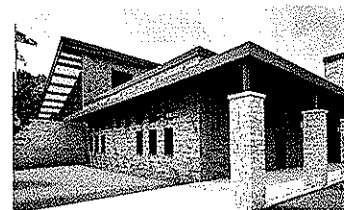
Lincoln County High School

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

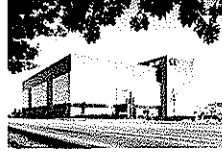
EDUCATION DESIGN SHOWCASE
Outstanding Building Design

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



The County Commission of Wood County

No.1 Court Square, Suite 203
Parkersburg, West Virginia 26101
(304) 424-1984



ROBERT K. TEBAY

RICK MODESITT

DAVID BLAIR COUCH

COUNTY ADMINISTRATOR

Marty Seuffer
424-1976

COUNTY CLERK

Jamie Six
424-1850

March 3, 2008

Dear Sir/Madam:

This is a letter of reference for Adam R. Krason, ZMM, Inc. The County Commission of Wood County has employed ZMM, Inc. on several projects, most notably the renovation of the Judge Black Annex.

Mr. Krason has always been extremely professional and has proven himself to be very flexible in meeting our needs. He is friendly and easy to work with. He has proven to be an asset to the County and we anticipate a long-term relationship with ZMM, Inc. in the coming years.

Sincerely,

THE COUNTY COMMISSION OF WOOD COUNTY

Robert K. Tehay, President

Rick Modesitt, Commissioner

David Blair Couch, Commissioner

WCC:ah

The Higher Education Foundation

200 MAIN STREET, BECKLEY, WEST VIRGINIA 25801-4613

TELEPHONE 304 929-2010

FACSIMILE 304 929-2009

forwardsww@earthlink.net

January 22, 2008

Mr. Rod Watkins, Vice-President, AAIA, REFP
ZMM, Inc.
222 Lee Street West
Charleston, WV 25302

Dear Rod,

Last week, January 14, 2008, we began the second semester of use of The Erma Byrd Center at the Public Higher Education Center campus, Beaver, West Virginia. This endeavor has been a significant triumph for our area and is the first of its kind in West Virginia. Seven public colleges/universities have come together in a single center in a spirit of cooperation rather than competition.

This is a note to thank you and the ZMM family for the critical role with excellence that you played in this project. Initially, we had worked with another architect in Pittsburgh, but unfortunately a series of events made continuance with them impossible. We were then met with crucial deadlines for reformulating an entire building with a very constricted timeline and an equally restricted budget. We turned to ZMM.

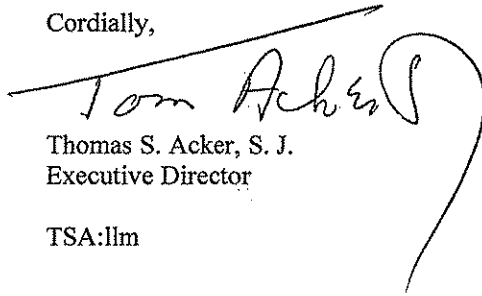
Our contract with you began in December, 2005. We had to complete architectural plans, bid the building, secure a contractor, and begin construction by July, 2006, in order to meet an opening date of August, 2007. ZMM was the perfect partner with us as we forged a new building on a yet raw campus and made it work.

The building designed by ZMM was elegant, yet simple. The budget parameters were met, including a striking view from I-64. The building design impresses all.

Radford & Radford was chosen as the builder, and ZMM worked with them expeditiously and effectively. The architectural plans were exceptionally clean, and the few change orders were almost entirely initiated by the owner as some afterthoughts developed. The project was completed on time, and the first semester was excellent. Over 131 classes were taught engaging 1,990 students.

I simply wanted to send you this note of thanks for accepting a very daunting task, completing it with excellence, maintaining the very restricted budget, and making this whole project successful. We are now looking forward to a second building, and while we probably need by state law to seek architectural services through an RFP, I hope that ZMM will engage in the process. It would be to our benefit if ZMM were the winning architects. You have my highest recommendation and most sincere thanks.

Cordially,



Thomas S. Acker, S. J.
Executive Director

TSA:llm



Lincoln County Schools

David L. Roach
SUPERINTENDENT

Jeff Huffman
ASSISTANT SUPERINTENDENT

January 22, 2008

To Whom It May Concern:

As the previous superintendent of Cabell County Schools and present superintendent of Lincoln County Schools, I am in the unique position to comment on the services of ZMM, Inc., Architects and Engineers. They provided professional services in both of these counties and I found their services in both counties to be of the highest quality.

I have found, through my experiences with ZMM, that their services are equivalent to having additional employees of the school system. I base this statement on the fact that their representatives consistently monitor budget expenditures in order to stay within the project budget. Change orders are minimal and always justified. ZMM is present and accessible before, during and after project completion to assure the interests of the school system are being met. I particularly appreciate their support in dealing with contractors who may have remaining obligations or product deficiencies that need to be resolved following project completion.

Simply stated, ZMM works to assure that the interests of the client are met and refuses to bow to contractors by accepting less than quality work. I believe this is a rare quality and makes ZMM an elite company.

Sincerely,

David L. Roach
Superintendent of Schools