

Statement of Qualifications

for
West Virginia Regional Jail Authority



ZMM

Professional
Architectural &
Engineering Services

for

Various Jail Projects



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

Steve Branner, AIA, NCARB, Principal
steve@zmm.com



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Charleston, West Virginia 25302
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ARCHITECTS & ENGINEERS

09 - December - 08



ARCHITECTS & ENGINEERS

December 5, 2008

Mr. John Abbott, Senior Buyer
Purchasing Division
2019 Washington Street, East
PO Box 50130
Charleston, WV 25305-0130

**Subject: Expression of Interest – Various Projects Within the Regional Jail System
RJCMNT001**

Dear Mr. Abbott:

ZMM is pleased to submit the attached information to demonstrate both our experience and our capability to provide professional architectural, engineering, and construction administrative services for the various roofing and HVAC projects for the State of West Virginia Regional Jail System. We are confident that the expertise gained through the design of the original facilities, as well as our ability to provide integrated architecture and engineering services from our office in Charleston, will help ensure the quality of your project.

In addition to our correctional design experience, ZMM has had the opportunity to participate on a wide range of roof replacement, HVAC, and renovation projects – many with design requirements that are relevant to the various roof replacement and HVAC projects identified in the proposal request. This diverse experience, as well as our commitment to providing well coordinated construction documents and thorough construction administrative services, will make ZMM a great partner for the State of West Virginia Regional Jail and Correctional Facility Authority. Additionally, ZMM understands the unique requirements of undertaking construction projects at an operational correctional facility, and will work with Regional Jails and the State Fire Marshal to identify appropriate measures to maintain a safe and secure environment.

Thank you for taking the time to review the attached proposal 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 your projects in greater detail.

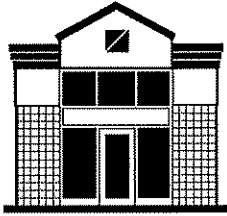
Respectfully submitted,

ZMM, Inc.


Steve Branner, AIA, NCARB
Principal

ZMM, Inc.
222 Lee Street West • Charleston, West Virginia 25302
304.342.0159 voice • 304.345.8144 fax
zmm.com

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PURCHASING DIVISION
STATE OF WV



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.

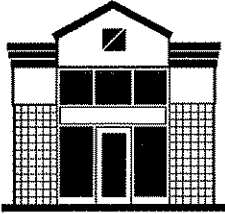


Mr. Zando, Mr. Martin and Mr. Milstead, reaching retirement age, transferred the ownership of the firm to Mr. Branner and Mr. Doeffinger in 1986 and they guided and expanded the firm to its present size of approximately 35 people. Recently, Dave Ferguson and Rod Watkins have joined in ownership of the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

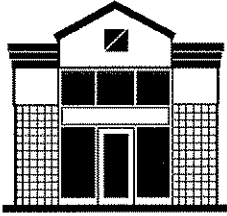




History & Philosophy of ZMM

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.

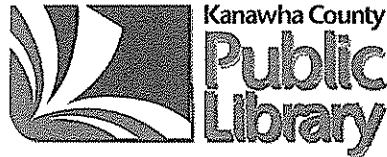


History & Philosophy of ZMM

COMMUNITY SUPPORT

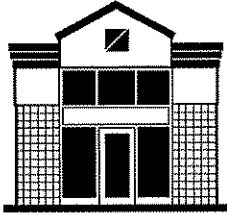
In addition to our design efforts, **ZMM** has been supportive of institutions and organizations that contribute to the cultural and educational landscape in West Virginia.

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.

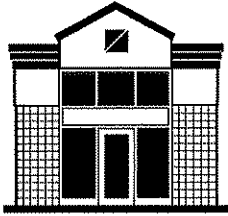
ZMM offers all of the following professional services within our organization:

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)		
Operations	38,913	2
Sub-Total (NSF)	38,913	
Total (GSP)	64,414	
Department of Energy Area (NSF)		
Electric	4,180	
Operations	19,911	3,4
Information/Registry	19,144	
Analysis	300	
General Support	3,000	
Sub-Total (NSF)	47,535	
Total (GSP)	65,282	
AFRC Area (NSF)		
Administration	12,150	6
Unit Support	0	
Quality Control	0	
General Function	0	
Sub-Total (NSF)	12,150	
Total (GSP)	19,689	
Joint Interservice Training Center - East Area (NSF)		
Administration	11,774	6
Personnel	21,660	
Training	0	
Sub-Total (NSF)	33,434	
Total (GSP)	43,618	
Billings Area (NSF)		
Billings	50,720	7
Sub-Total (NSF)	50,720	
Total (GSP)	74,648	
Total Building Area Area (GSP)		
National Guard Bureau	64,414	
Department of Energy	65,282	
Armed Forces Research Center	19,800	
Joint Interservice Training Center	43,618	
Billings	74,648	
Total (GSP)	267,762	

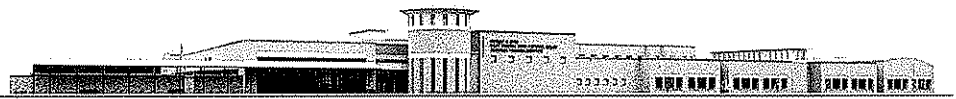


Professional Services

DESIGN

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

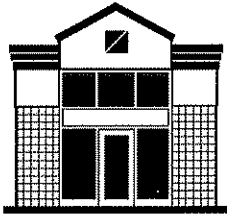
Electrical Engineering
Civil Engineering
Data System Design
Lighting Design
Energy Consumption Analysis



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:

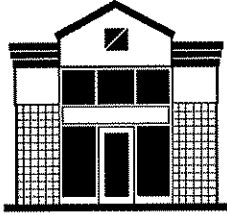
Schematic Design Phase

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
Erin Kinder, 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

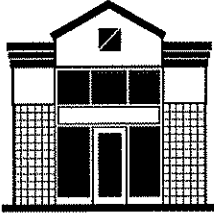
Construction Administration

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
Joe Blizzard	Information Systems Manager
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

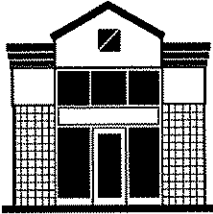
Mr. Branner has been employed with ZMM since 1967. His experience includes all aspects of the management, design, and production of small projects to those exceeding \$100M with an emphasis on Military / Public / Governmental Facilities, Correctional Facilities, and Industrial Facilities.

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





Robert C. Doeffinger, P.E.

Position

Principal, ZMM, Inc.
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

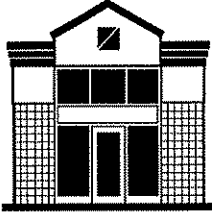
Professional Experience

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, 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

State of West Virginia Regional Jails

State of West Virginia Juvenile Detention Centers

Glen Jean Armed Forces Center

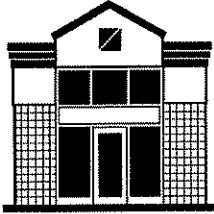
Logan Readiness Center

CFMO Expansion

Highland Hospital

Saint Albans High School

Lincoln County High school



Adam R. Krason, AIA, NCARB, LEED AP

Position

Sustainability Coordinator, 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

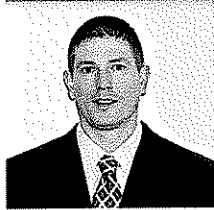
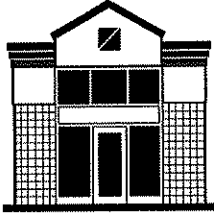
West Virginia Army National Guard - CFMO Expansion Project

Judge Donald F. Black Courthouse Annex

Division of Juvenile Services

The Boulevard at 2412 - Residential Development





R. Scot Casdorph, 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

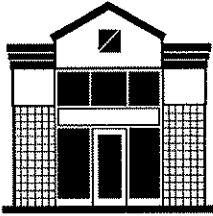
Mr. Casdorph started his career in 1995 as an electrical/control systems designer. He is responsible for Electrical Design and Engineering on various ZMM projects.

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

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

West Virginia Cultural Center

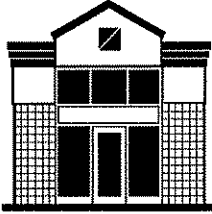
Highland Hospital

Hacker Valley Elementary - Supplemental Support

Barboursville Middle School - Supplemental Support

Southside Elementary/Huntington Middle School

New River Elementary - Supplemental Support



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

West Virginia Regional Jail Authority

West Virginia Correctional and Juvenile Facilities

Job Corps Center, WV

Sears, Roebuck & Company, Retail Centers

Cabell County Schools, WV

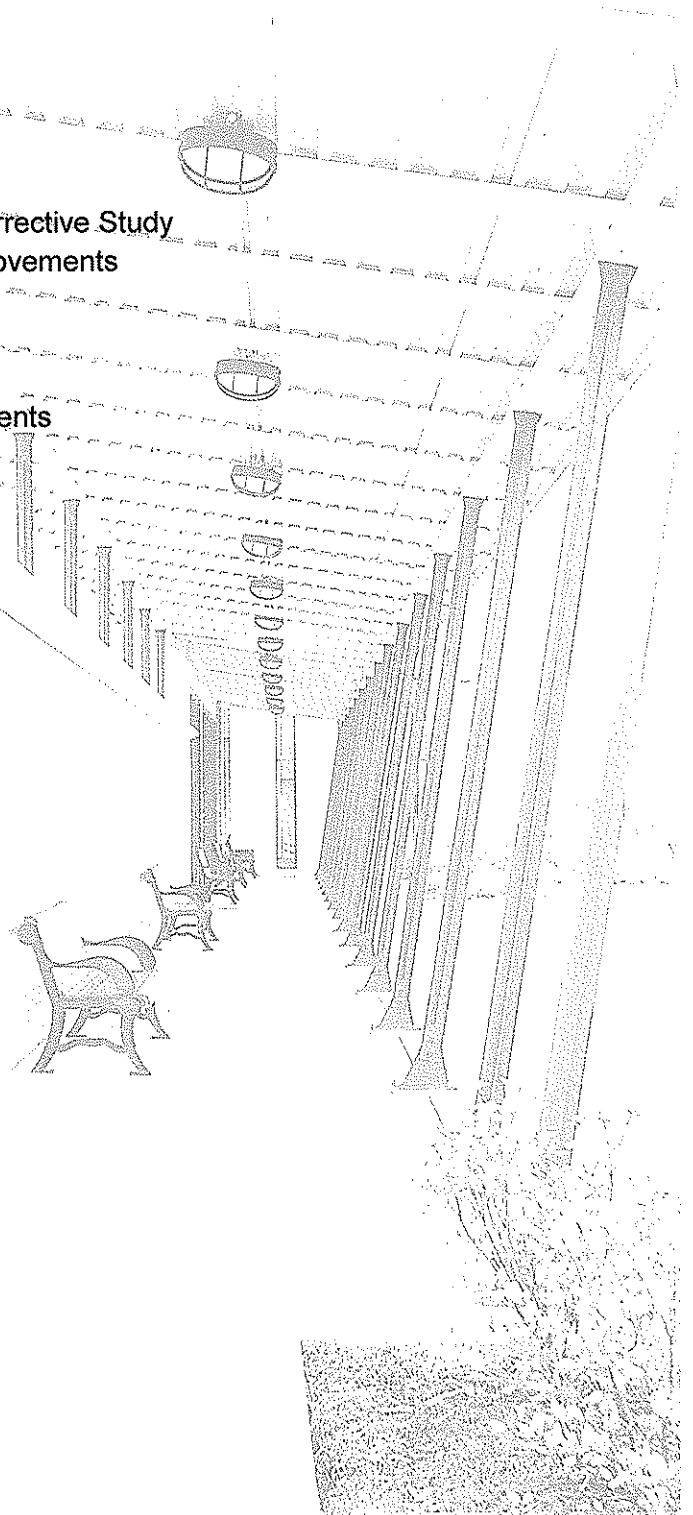
Relevant Experience

HVAC Renovation

Wayne County Tolsia High School HVAC
Cabell County – (Multiple HVAC Projects)
Huntington Herald Dispatch HVAC Study
Hamlin High School – HVAC Replacement Wall Repair
Walker Machinery – Main Office Renovation HVAC
Walker Diamond Office HVAC
Walker Machinery – Rita HVAC Renovations
State of WV – HVAC System at Governor's Mansion Corrective Study
Camp Dawson – Regional Training Institute HVAC Improvements
Fayette County Valley Elementary HVAC Renovation
Central Regional Jail – HVAC and Roof Replacement
King of Prussia, PA – HVAC Design (Multiple Projects)
Kanawha Valley Senior Services HVAC Building Documents
Frankfort – Greenbrier County HVAC Renovation
Wayne County – New HVAC System Projects
Greenbrier County – New HVAC System Projects

Roofing Replacement

NGK – Re-roof
General Corporation Re-roof
Greenbrier BOE – (Multiple Roof Projects)
Central Regional Jail - HVAC & Roof Replacement
State Office Buildings #5, 6 & 7 - Roof Replacement
Fayette County Schools- Roof Replacement
Cabell County Schools - Re- Roof Projects
Wayne County Schools - Re-Roof Projects
Mason County Schools - Re-Roof Projects





Correctional Facilities

West Virginia Regional Jails

In 1990, the West Virginia Regional Jail and Correctional Facility Authority awarded the joint-venture team of ZMM/CRA a contract to design a prototype detention facility with the flexibility to meet the long range needs of 10 geographical regions in the State of West Virginia. The prototype building was designed as a 200 bed, 300 bed and 400 bed facility with the ability to add a 100 bed housing pod to each. All services required by the building were designed to accommodate the maximum population.

Unique to the design of the prototype jail is the ability of the staff to fully monitor all inmate movement within the corridor system of the building from a single central control location.

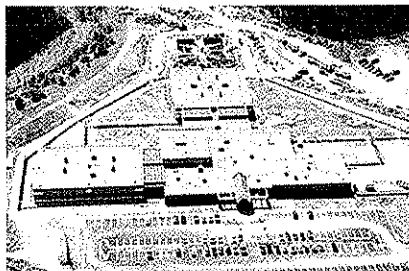
The following systems were designed and installed: integrated security and PA system, closed circuit television, fire alarm system, door access control integrated with security system, cable television and perimeter security system.

The **Central Regional Jail** in Flatwoods, Braxton County, WV, was the first of the prototype jails to be completed. It is a 200 bed medium/maximum security facility of approximately 100,000 SF

The **South Central Regional Jail**, second of 10 regional jails to be completed, is a 300 bed facility of 140,000 square feet located in the Southridge Business Park, Charleston, West Virginia.

The **Southern Regional Jail** is a 300 bed regional jail of approximately 133,000 SF. The jail has facilities for 96 maximum security inmates with the remaining housing units designed for medium security. This facility is located in Beckley, WV.

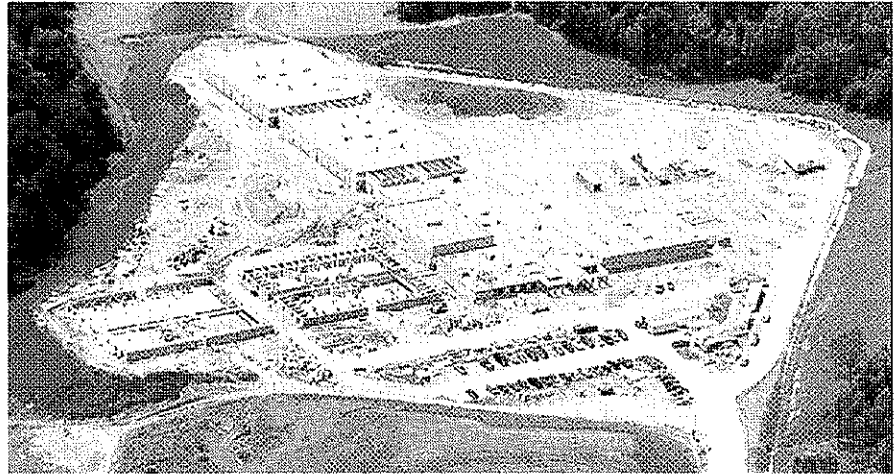
The **Northern Regional Jail and Correctional Facility** is a 400 bed combined regional jail and correctional facility of approximately 164,000 SF consisting of 200 beds used by the regional jail and 200 beds used by the West Virginia Department of Corrections. The regional jail section has facilities for 48 maximum security inmates with the remaining housing units designed for medium security. All housing units occupied by the Department of Corrections are medium security.



Southwestern Regional Jail during construction



Correctional Facilities



The **Southwestern Regional Jail** is a 300 bed facility located in Holden, Logan County, WV, and was completed in 1998.

Located in Dodridge County, WV, the **North Central Regional Jail** is a 400 bed facility and was completed in 2001.

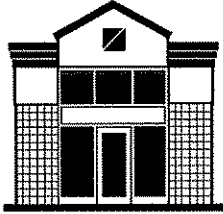
The **Western Regional Jail**, located in Cabell County, is a 400 bed facility and is scheduled for completion in 2003.

A 300 bed facility, the **Eastern Regional Jail**, is located in Martinsburg, WV and was completed in 1999.

Completed in 2000, the **Potomac Highlands Regional Jail**, is located in Augusta, Hampshire County, WV and is a 200 bed facility.

Huttonsville Correctional Facility/100 Bed Dormitory - The 15,000 SF dormitory was designed as a minimum/medium security facility and was completed on schedule and within the Owner's budget.

Prison Industries Facility - Northern Regional Jail and Correctional Facility - This 25,000 SF building is located at the Northern Regional Jail and Correctional Facility to serve the prison industries vocational education requirements of the Correctional Facility Division. The building provides space for a mattress shop, print shop, vinyl notebook shop, and Braille shop in the industries area. Within the vocational education area, space is provided for automobile repair and woodworking. The building was completed on schedule and within the Owner's budget.



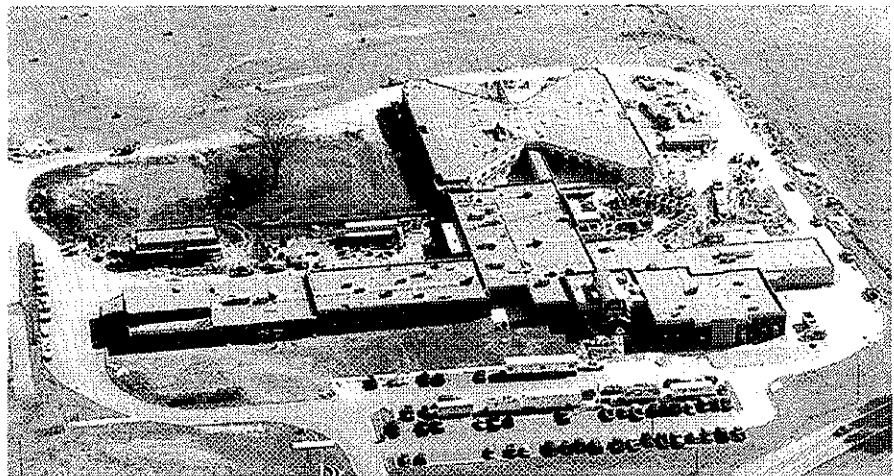
Correctional Facilities

Denmar Correctional Facility - This project consisted of renovations to an existing 4-story hospital's toilet/shower system to accommodate a medium security facility for the West Virginia Department of Corrections.

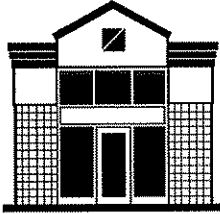
Alderson Federal Prison Camp, Alderson, WV - ZMM provided architectural and engineering services for a major renovation of this women's federal correctional facility located in the Greenbrier River valley. This project includes extensive renovation of eighteen 1938 vintage buildings to current federal prison standards and increases the capacity to 1,269 inmates.

ZMM developed a management plan which allowed the facilities to remain operational at the original inmate capacity during the three year construction period. Renovations included interior and exterior building modifications and finishes, heating, ventilating, plumbing and electrical upgrades, totaling \$10,000,000.

The **Lakin Correctional Center for Women** opened in early 2003 as the first comprehensive state correctional facility for women. Located in Lakin, Mason County, this 225-bed facility houses medium and maximum-security female inmates in a building complex of over 153,000 square feet. The project included renovation of an existing building for education and indoor recreation. ZMM will also complete designs for a separate 124-bed dormitory for minimum security, as well as a correctional industries building, on the campus at Lakin.



Lakin Correctional Center During Construction



Juvenile Centers

West Virginia Juvenile Facilities

Following a very successful program of regional jail construction based on ZMM/CRA's prototype design, the West Virginia Regional Jail & Correctional Facility Authority awarded ZMM a contract to design a new prototype for juvenile detention facilities.

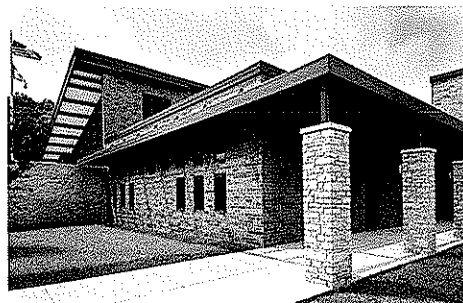
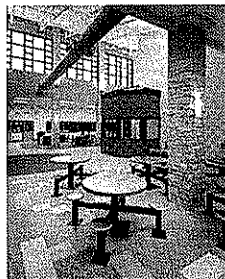
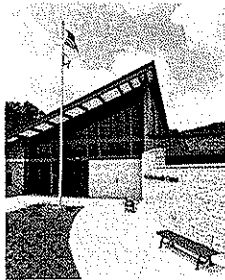
The original prototype has undergone several transformations, including a 2-story design and a prototypical staff-secured design. All of the versions of ZMM's juvenile center prototype are designed to allow safe and effective operation with a small staff.

The **J. M. "Chick" Buckbee Juvenile Center**, located near Romney, Hampshire County, was the first juvenile center bid under the new program of prototype facilities. Scheduled to open in fall 2003, this single-story, 26,500 square foot building houses a complete program of intake, medical care, education, recreation, food service and administration.

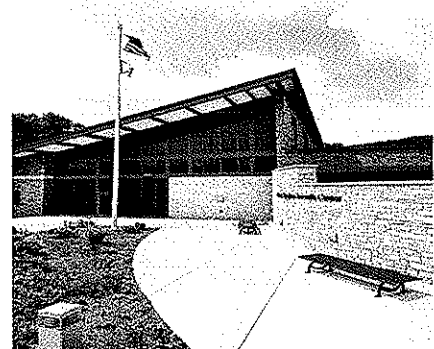
The **James H. "Tiger" Morton Juvenile Center** was designed on the site of the old Kanawha Home for Youth in Dunbar, Kanawha County, West Virginia. Site constraints led to a 2-story variation of the prototype, housing 24 beds in a total building area of 29,000 square feet. This facility, the second of the prototype structures, is scheduled for opening in late 2003.

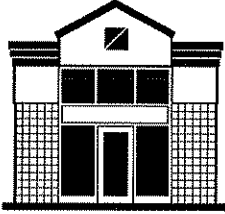
The **Gene Spadaro Juvenile Center**, located in Mount Hope, Fayette County, proved that the prototype concept can be flexible enough to accommodate a dramatic variation in programming. The "softer" approach to this minimum-security facility anticipates program funding through federal IV-E regulations, and relies on staff involvement for security rather than bars and hardware. Completion of this new facility is scheduled for summer 2004.

The **Robert L. Shell Juvenile Center** will be constructed on a site just below the new **Western Regional Jail** in Barboursville, Cabell County, West Virginia. Nearly identical to the Gene Spadaro Juvenile Center, this new center will also use federal IV-E funding and houses minimum-security youth. This facility is scheduled to open in late 2004.



Gene Spadaro Juvenile Center





HVAC Projects

The Plaza at King of Prussia - Philadelphia, Pennsylvania

MP Services – Design Build

2,500,000 SF, 4,000-Ton Chilled Water Plant, VAV and CV
Air Handling System

Existing and New Spaces

The Court at King of Prussia - Philadelphia, Pennsylvania

MEP Services

Addition of a 3,000-Ton Chilled Water Plant Including
New Structure and Replacement of All Air Handling Units

The Plaza at King of Prussia - Philadelphia, Pennsylvania

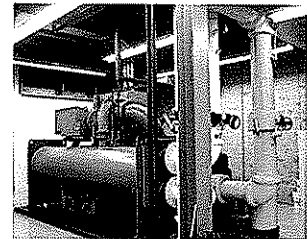
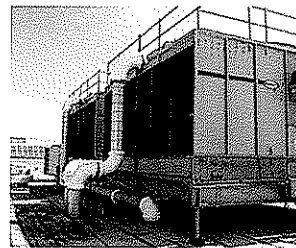
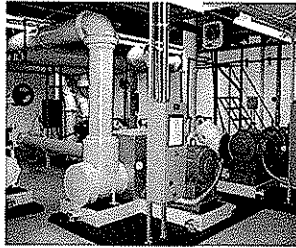
MEP Services

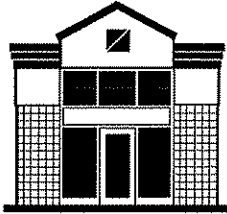
Addition of 800-Tons of Chilled Water Air Handlers Units

Cost: \$30M

Completed: 2006

Owner: Mr. Mickey McLaughlin
The Plaza Mall Management
160 North Gulph Road
King of Prussia, PA 19406
610.337.9272





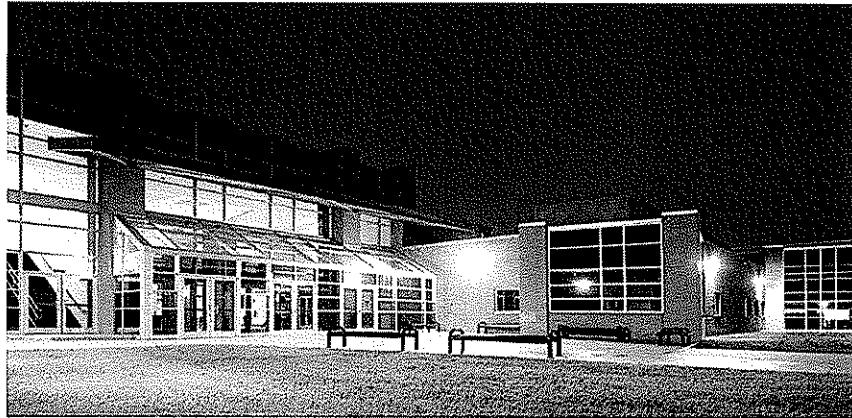
HVAC Projects

The following projects were **not** fully occupied during the HVAC replacement:

St. Albans High School - St. Albans, West Virginia

The renovation and additions include the razing of about 40% of the existing structure and the construction of 124,000 SF of new facility. The scope of this extensive renovation included the replacement of the existing HVAC system, to include a new heating plant, a 500 ton chilled water plant, rooftop units and installation of one retrofitted high speed elevator.

Size: 172,596 SF

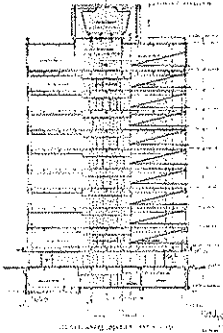
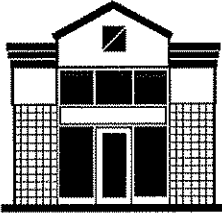


Daniels Elementary School - Daniels, West Virginia

This existing elementary school had an enrollment of about 300 students, but due to the closing of nearby school, needed to be expanded to accommodate 600 students, grades K through 6. The new Daniels Elementary School facility is comprised of 25,000 SF of new building and 32,700 SF of renovated structure.

This extensive renovation included the replacement of the existing HVAC system, to include roof top DX/gas-fired units, one for each classroom. Rooftop units included modulating gas heat and hot gas dehumidification.





Renovation Projects

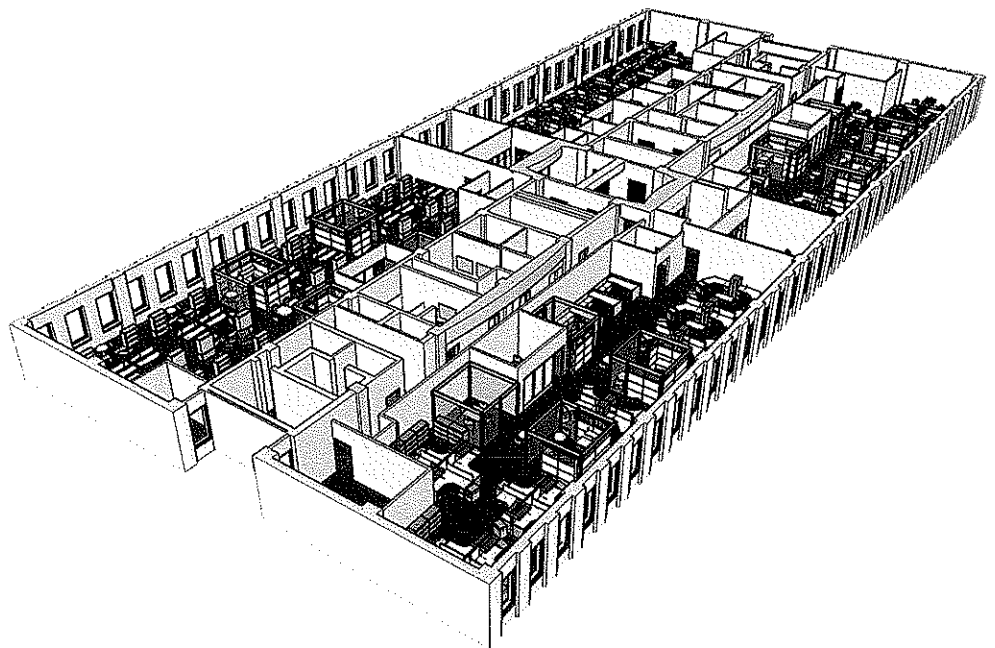
State of West Virginia Capitol Complex Buildings 5, 6, 7 Feasibility Study - Master Plan

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





Renovation Projects

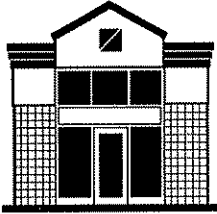
State of West Virginia Capitol Cafeteria Renovation Charleston, WV

This project involved renovating an existing food service area in the WV Capitol Building. The new renovations include a full service kitchen, self serve area and seating for 300 people. ZMM worked with a kitchen consultant and provided demolition drawings, base architectural, mechanical and electrical drawings.

The project included design of the first phase of a wet pipe sprinkler system that will serve the entire Capitol. In addition, ZMM also provided the documents to replace the Capitol medium voltage transformers located in the basement vault. ZMM met stringent timeline for a critical construction completion date.

Size: 14,000 SF
Cost: \$3.7M
Completed: 2007





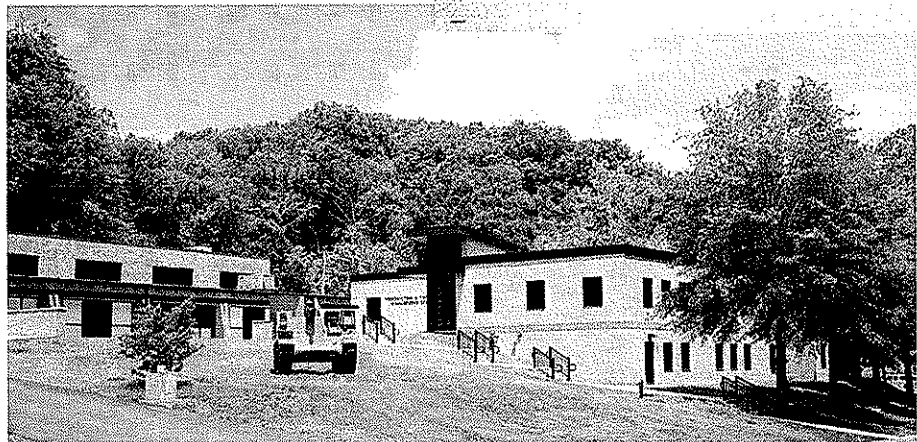
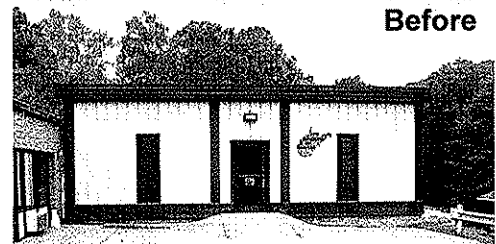
Renovation Projects

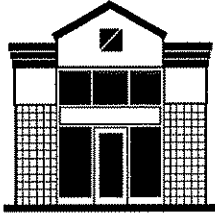
Construction & Facilities Management Office Charleston, WV

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.

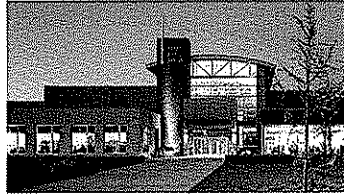
The entry design was coordinated with the Recruiting and Retention building to create an outdoor courtyard, along with new sidewalks, stairs and signage. The entry roof is sloped to provide a greater massing, while a lower canopy provides scale and protection from the elements. Large gathering and work 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 SF
Cost: \$2.7M
Completed: November 2007





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

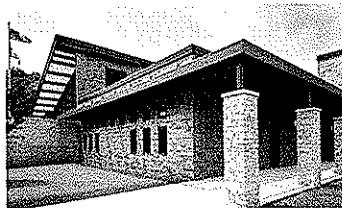
Lincoln County High School

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

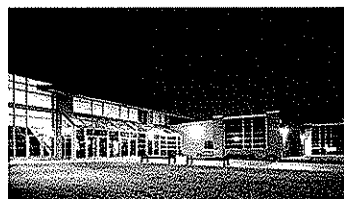


2006

Gene Spadaro Juvenile Center

Mount Hope, West Virginia

AIA MERIT AWARD West Virginia Chapter
Achievement in Architecture



2004

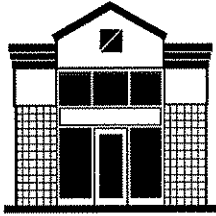
St. Albans High School

St. Albans, West Virginia

IMPACT ON LEARNING AWARD
Effective Transformation

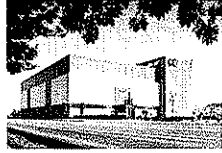
EDUCATION DESIGN SHOWCASE
Outstanding Building Design

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



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: ZMM, INC.

Authorized Signature: [Signature] Date: 9 DEC 08