



ARCHITECTS & ENGINEERS

September 14, 2010

Ms. Krista Ferrell, Buyer  
Purchasing Division  
2019 Washington Street, East  
Charleston, West Virginia 25305-0130

**Subject: West Virginia Rehabilitation Center Renovations  
Requisition #GSD116409**

Dear Ms. Ferrell:

ZMM is pleased to submit the attached information to demonstrate both our experience and our capability to provide professional architectural and engineering services for the renovation of the WV Rehabilitation Center in Institute. We are confident that our recent experience providing professional design services for the renovation of the 10<sup>th</sup> Floor of State Office Building #5, as well as our extensive renovation portfolio, makes ZMM the best partner for the West Virginia General Services Division for this project.

Since 1959, ZMM has been consistently recognized as one of the largest, fully integrated, architecture and engineering firms in the State of West Virginia, and the quality of our design work has been recognized with both state and national design awards. We are an organization of creative professionals with the common interest of working with our clients to design and engineer innovative and cost effective buildings. Our commitment to providing high quality, budget conscious design solutions for our clients was recently demonstrated for the State of West Virginia Division of General Services on the State Office Building #5, 10<sup>th</sup> Floor project, which was delivered nearly \$750K under budget.

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. Additionally, please visit our website at [www.zmm.com](http://www.zmm.com) to see the full range of projects that we have designed, and to learn about working with ZMM from a client's perspective. We look forward to meeting with you in the near future to review our qualifications, and to discuss the West Virginia Rehabilitation Center Renovation in greater detail.

Respectfully submitted,

ZMM, Inc.

A handwritten signature in black ink, appearing to read 'Ad R K', written over a horizontal line.

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

ZMM, Inc.  
222 Lee Street West • Charleston, West Virginia 25302  
304.342.0159 voice • 304.345.8144 fax  
[zmm.com](http://zmm.com)

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GENERAL SERVICES DIVISION  
STATE OF WV

**West Virginia Division of Rehabilitation Center, Institute, WV**  
**Space Planning and Renovation Services**  
**EOI# GSD116409**

**Cover Letter**

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# Space Planning and Renovation Services

*WV Rehabilitation Center*



## Project Understanding and Approach

The West Virginia Rehabilitation Center in Institute is a part of the West Virginia Division of Rehabilitation Services (DRS), which is a state agency that serves West Virginians with disabilities. The mission of DRS is to enable and empower individuals with disabilities to work and to live independently. The West Virginia Rehabilitation Center Campus is located between West Virginia State University and the Bayer Crop Science facility in Institute. The campus consists of multiple detached buildings constructed primarily between the 1960's and the 1990's. The intent of the current project is to explore options for converting this residential campus into multi-tenant, multi-use facility with an emphasis on providing reasonably priced leased office space. Below, please find **ZMM's** plan for undertaking both the evaluation and design phase of the project.



## Renovation Project Approach: As-Built Documentation, Assessment, and Recommendations

Renovation projects require a unique approach. The first step in a successful renovation project involves conducting a thorough examination of the existing facilities to identify both deficiencies and opportunities. **ZMM** recently completed a similar investigation of State of West Virginia Office Buildings 5, 6, & 7, and would propose to use the same methodology for the Rehabilitation Center Investigation. (Please note that a copy of the assessment completed for State Office Buildings 5, 6, & 7 is available for review to ascertain the level of services that **ZMM** intends to provide as part of our services.) The purpose of the investigation will be to determine the condition of the major building systems, and to identify both immediate and long term improvements that will be required to renovate the facilities into office space. The first step in this process will be the production of as-built plans of the facilities. These plans will be created by manually verifying the existing construction. If existing plans are available, they will be used to assist in developing the as-built documentation.

Once the plans are completed, existing conditions will be documented with photographs that are keyed to the plans. Additionally, all major mechanical and electrical equipment will be identified on the plans, and the condition will be noted in the assessment. The investigation will be conducted by a team of building design professionals including Architects, Civil, Structural, Electrical, and Mechanical Engineers. The team will also include a hazardous material consultant that will conduct a preliminary investigation to inspect for potential hazardous materials.

The team will focus the investigation on the following systems:

- Site Planning (Parking, Circulation, Services, Utilities)
- Space Planning
- Life Safety and Egress (Coordinated with the State Fire Marshal)
- Accessibility

# Space Planning and Renovation Services

WV Rehabilitation Center



- Building Envelope (including roofing)
- Interiors
- Data/ IT Infrastructure
- Plumbing Systems
- Electrical Service and Distribution, Emergency Power
- Lighting
- Mechanical Systems

Once the investigation is complete, the team of Architects and Engineers will conduct an analysis to develop a list of recommended improvements to the buildings. These recommendations will be developed with input from the State of West Virginia General Services Division, so that the proposed improvements reflect the State's vision for the project. Additionally, **ZMM** will provide a schematic design for the proposed improvements.

Once the investigation effort is complete, the design team will prepare an estimate of the probable construction cost for the General Services Division. **ZMM** maintains historical cost data for our projects, and we are constantly updating and adjusting this information to provide accurate projections. We have an outstanding record of meeting budgets and developing budget conscious design on renovation projects – as demonstrated at the State Office Building #5, 10<sup>th</sup> Floor project, which was delivered \$750K under budget.



The result of the investigation will be a report that will serve as the basis for future project decisions. Developing a long-term strategy will be important for the General Services Division. This comprehensive plan will ensure that all improvements are made in a manner that supports the overall approach for the facility. As the State begins undertaking the improvements to the WV Rehabilitation Center **ZMM** will provide complete architectural and engineering services with the same team that conducted the investigation. The proximity of our team to the proposed project, as well as our ability to provide complete architectural and engineering services from our office in Charleston make **ZMM** uniquely qualified to provide service to the State of West Virginia General Services Division for this project.

# Firm/Team Qualifications

WV Rehabilitation Center



Below, please find the information requested in GSD116409:

A. Firm Contact: Adam R. Krason, AIA, NCARB, LEED-AP  
ZMM, Inc.  
222 Lee Street, West  
Charleston, WV 25302  
[ark@zmm.com](mailto:ark@zmm.com)

Signature

B. ZMM Project Team (Please find resumes attached):

Name	Role
Adam R. Krason, AIA	Principal, Architect
Rodney Pauley, AIA	Project Manager
Bob Doeffinger, PE	Engineering Management, Mechanical Engineer
Hank Walker, AIA	Architect
Nate Spencer, AIA	Architect
Mary Jo Cleland, PE	Civil Engineer
Steve Hedrick, PE	Structural Engineer
Scot Casdorff, PE	Electrical Engineer
Mike Abernethy, IESNA	Electrical and Lighting Design
Bob Groom	Mechanical Designer
Mark Epling, AIA	Specifications
Glen Savage, CSI-CDT	Construction Administration

C. All work for the project will be performed by ZMM employees. No consultants will be utilized.

D. As a full service architecture and engineering firm, **ZMM** is uniquely qualified to provide design services on complex renovation projects. Please note that examples of our experience providing design services on similar projects can be found in Section 4. **ZMM** is capable to handle the renovations to the WV Rehabilitation Center Renovation project in its entirety.

E. **ZMM** understands and agrees that any and all work produced as a result of the contract becomes the property of the State of West Virginia General Services Division and can be used or shared as deemed appropriate by the Owner.

F. **ZMM** has been providing design services in the State of West Virginia for more than fifty years. During this time our work has regularly conformed to all local, State, and Federal regulations. Additionally, **ZMM** regularly coordinates our work during the design phase with the State of West Virginia Fire Marshal to help ensure compliance with NFPA 101 and Title 87.

## Firm/Team Qualifications

*WV Rehabilitation Center*



- G. **ZMM** is not involved with any litigation or arbitration proceedings with the State of West Virginia General Services Division or any other State Agency related to the firm's delivery of design services.

ZMM is party to a lawsuit in McDowell County brought by residents close to a project designed by ZMM for the local school district. During the course of the construction work, which included the relocation of a WV secondary roadway, the WV Dept of Highways decided to provide a temporary roadway to bypass construction.

This temporary by-pass, not designed or the responsibility of ZMM, allegedly caused dust and other issues for the plaintiffs.

Since ZMM had no design or other responsibility for the roadway that brought rise to the alleged dust and inconvenience, we feel that we will be released by summary judgement. Depositions have been scheduled.

# HISTORY AND PHILOSOPHY of ZMM



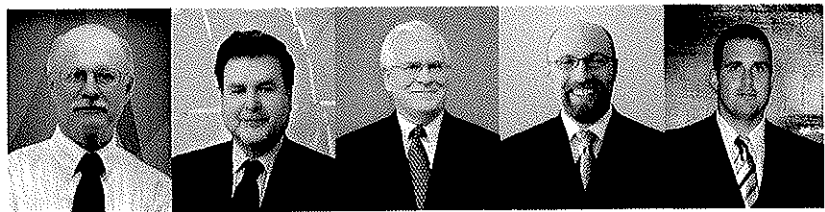
LOCATION:  
222 Lee Street, West  
Charleston, WV

CONTACT:  
Phone 304.342.0159  
Fax 304.345.8144  
www.zmm.com

ZMM was founded in 1959 in Charleston, West Virginia by Ray Zando, Ken Martin, and Monty Milstead. Since the inception of the firm, ZMM has been dedicated to providing an integrated approach to building design for our clients. ZMM delivers this integrated approach by providing all building related design services, including architecture, engineering (civil, structural, mechanical, and electrical), interior design, and construction administration from our office in Charleston. Our integrated design approach makes ZMM unique among architectural firms in West Virginia, and helps to ensure the quality of our design solutions by providing more thoroughly coordinated construction documents.

ZMM has maintained a diverse portfolio since the founding of the firm. Early commissions included higher education projects for West Virginia University and Concord College, State Office Buildings 5, 6, & 7 on the State of West Virginia Capitol Campus, and armories for the West Virginia Army National Guard. Maintaining a diverse practice for more than fifty years has provided ZMM with extensive experience in a variety of building types, including: educational facilities; governmental facilities (military, justice, correctional); healthcare facilities; commercial office space; light industrial facilities; and multi-unit residential facilities.

The original partners transferred ownership of the firm to Mr. Steve Branner, AIA and Mr. Robert Doeffinger, PE in 1986. Mr. Branner and Mr. Doeffinger helped guide and expand the firm to its present size of thirty-five (35) people. More recently Mr. Rod Watkins, REFP, Mr. David Ferguson, AIA, and Mr. Adam Krason, AIA, LEED-AP joined in ownership of the firm.



Over the last decade, ZMM has become a leader in sustainable or 'green' design in West Virginia. In addition to participating in sustainable design and construction seminars throughout the State (Beckley, Fayette County, Morgantown, Charleston, and Parkersburg), ZMM designed one of the first sustainable educational facilities in West Virginia (Lincoln County High School). ZMM also employs a sustainability coordinator who assists our clients in determining appropriate sustainable design strategies for their projects. ZMM's unique design approach has proven invaluable on projects that employ sustainable design principles, which often require a more integrated approach to building design.

# HISTORY AND PHILOSOPHY of ZMM

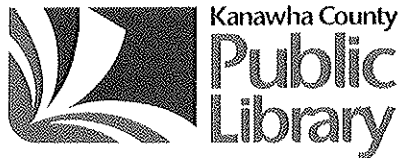


As ZMM enters our second half-century providing professional design services in West Virginia, we remain committed to the ideal of providing high quality, client focused, design solutions that meet budget and schedule requirements. This commitment to quality has been recognized through both State and National design awards, as well as through the long-term client relationships that we have developed.

## 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:





# ADAM R. KRASON

AIA, NCARB, LEED AP



## Position

Architect, Principal

## 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

2008 - Present, Vice President

2003 - 2008, Project Architect

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 - Morgantown Readiness Center

West Virginia Army National Guard - CFMO Expansion Project

Joint Interagency Training and Educational Center (JITEC)

State of West Virginia Division of Juvenile Services

Wood County Justice Center

West Virginia University at Parkersburg, Downtown Facade

Parkersburg Catholic Schools

Mountaineer Middle School

Nicholas County High School Additions/Renovations

State Office Building 5, 6, & 7 Analysis, 10th Floor Renovation



**Position**

Project Architect, Project Manager

**Education**

Bachelor of Architecture; University of Tennessee, Knoxville, TN, 1992

**Employment History**

2010-Present, Project Manager, ZMM

2008-2010, Project Manager/Architect, Georgia Architectural Firm

2006-2008, Project Manager/Architect, Georgia Architectural Firm

**Professional Credentials**

Registered Architect: Georgia

Member of American Institute of Architect

**Professional Experience**

Mr. Pauley has over 17 years experience with all phases of design and project Management

**Project Experience**

Mid Ohio Valley Technical Institute Renovation

Morgantown Readiness Center

West Liberty - Main Hall & Shaw Hall Renovations

**Additional Parking Garage Experience**

**One Federal Place, Birmingham, AL**

12-Story Office Building + 5-Story Parking Deck

Deck: Architectural Precast Concrete Panels on Cast-In-Place Concrete Structure

**Douglasville Conference Center, Douglasville, GA**

1-Story Conference Center + 3-Story Parking Deck

Deck: Architectural Precast Concrete Panels on Precast Concrete Structure

**Printpack, Marietta, GA**

6-Story Office Building + 4-Story Parking Deck

Deck: Architectural Precast Concrete Panels on Precast Concrete Structure

**Lakepointe II, Tampa, Florida**

8-Story Office Building + 4-Story Parking Deck

Deck: Architectural Precast Concrete Panels on Precast Concrete Structure

**Forum V, Raleigh, NC**

5-Story Office Building + 3-Story Parking Deck

Deck: Architectural Precast Concrete Panels on Precast Concrete Structure

**Royal Center III, Alpharetta, GA**

3-Story Office Building + 2-Story Parking Deck

Deck: Architectural Precast Concrete Panels on Cast-In-Place Concrete Structure

**Rex Medical Office Building. Raleigh, NC**

5-Story Medical Office Building + 4-Story Parking Deck

Deck: Architectural Precast Concrete Panels on Precast Concrete Structure

# ROBERT C. DOEFFINGER

PE



## 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  
1977-1982, Director of Engineering; ZMM  
1976-1977, Mechanical and Architectural Engineer; ZMM

## 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 Cal-  
culations

## 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.

# HANK WALKER

AIA, LEED AP



## **Position**

Project Architect, ZMM

## **Education**

B.S., Architecture; University of Cincinnati, Cincinnati, Ohio; 1973

## **Employment History**

1980-Present, Project Architect; ZMM

1977-1980, Architectural Draftsman and Designer; ZMM

1973-1976, Designer/Community Planner; Peace Corps, Iran

## **Professional Credentials**

Registered Architect (WV)

LEED Accredited Professional

## **Civic and Professional Affiliations**

Professional Member; American Institute of Architects

Professional Member; West Virginia Society of Architects

Executive Board Member; Salvation Army Advisory Board

## **Professional Experience**

Mr. Walker began his career in Architecture with ZMM, Inc. in 1977. He is responsible for the overall work process relating to design, documentation and bidding. In addition to his project management responsibilities.

He is also responsible for generating construction details as necessary to ensure compliance with design intent, performing building code/ordinance analysis, coordinating structural,

## **Project Experience**

West Virginia State Office Buildings 5,6 & 7

State of West Virginia Division of Juvenile Services

Alderson Federal Prison Camp

Hazelton Federal Prison Camp

West Virginia Army National Guard Family Readiness Center

Stonewall Jackson Lake State Park

Resort at Glade Springs

Braxton County Memorial Hospital

Greystone on The Cheat

Beverly Hills Middle School

Barboursville Middle School

Brookview Elementary School

Sissonville Library

# NATHAN SPENCER, AIA



## **Position**

Architect, ZMM, Inc.

## **Education**

Bachelor of Architecture, University of Tennessee, Knoxville, TN, 2007  
Architectural Drafting and Construction Technology, West Virginia State College, Institute, WV

## **Employment History**

2009 - Present, Architect, ZMM, Inc.  
2007 - 2008, Designer, ZMM, Inc.  
2003 - 2006, Summer Intern, ZMM, Inc.

## **Professional Credentials**

American Institute of Architects (WV)

## **Professional Experience**

Mr. Spencer has been employed by ZMM since 2003 when he started working as an intern. Experience includes the production of architectural drawings throughout all phases of the project.

Mr. Spencer has background developing both 3-D and physical models along with construction document production. Mr. Spencer works closely with the project architect to efficiently produce clear and accurate drawings to ensure that client expectations are met.

## **Project Experience**

State of West Virginia Division of Juvenile Services  
Joint Interagency Training Educational Center (JITEC)  
WV Army National Guard - Logan Readiness Center  
WV Army National Guard - Morgantown Readiness Center  
WV Army National Guard - Ripley Readiness Center  
WV Army National Guard - CFMO Expansion Project  
Judge Black Courthouse Annex  
Martha Elementary School  
Hacker Valley Pre-K-8 School  
Southside Elementary/Huntington Middle School  
Highland Medical Facility  
The Boulevard at 2412 - Residential Housing Project



**Position**

Civil Engineer

**Education**

B.S., Aerospace Engineering, U.S. Naval Academy, Annapolis, MD 1993  
B.S., Math and Science Education, WV State College, Institute, WV, 2001

**Employment History**

2008-Present, Civil Engineer, ZMM  
2001-2008, Staff Engineer, Potesta & Associates, Inc.

**Professional Credentials**

Registered Engineer (WV)

**Professional Experience**

Ms. Cleland has experience in both civil and environmental engineering. She has extensive knowledge of sanitary sewer collection system design, wastewater treatment plant design, grading plans, site utility design, and associated permit applications preparation.

Her environmental remediation experience includes Phase I Environmental Site Assessments, Phase II Environmental Site Assessments, and participation in Baseline Human Health Risk Assessments. Ms. Cleland consulted on the air pollution permit applications and general permit applications for large and small emission units, such as standby/emergency generators for site development projects.

**Project Experience:**

Hacker Valley K-8 School  
Martha Elementary School  
Milton Middle School  
Barboursville Middle School  
Harts K-8 School  
Bradshaw Schools, McDowell County  
Parkersburg Catholic Athletic Annex  
State of WV Office Buildings 5, 6 & 7  
Highland Medical Facility  
Goodwill Industries Addition  
Cedar Lakes Conference Center Roadwork  
Kanawha Valley Senior Services  
West Virginia Housing Development Fund

# STEPHEN E. HEDRICK II

PE



## Position

Structural Engineer, ZMM

## 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

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.

Mr. Hedrick has researched and developed design criteria for structural insulated panels, prepared design calculations for earthquake and wind design of FRP tanks. His role has also included supervising the work of design engineers in preparation of construction documents.

## Project Experience

Southside Elementary/Huntington Middle School

Highland Medical Facility

New River Elementary - Supplemental Support

Hacker Valley Elementary - Supplemental Support

Barboursville Middle School - Supplemental Support

Glen Jean Armed Forces Center - Joist Reinforcement

West Virginia Cultural Center



## **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, 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**

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



# MICHAEL D. ABERNETHY

LC, IESNA



## **Position**

Electrical and Lighting Designer

## **Education**

A.S. Drafting and Design Engineering Technology, WV Institute of Technology, 1970

IESNA Certificate of Technical Knowledge (TKE) in Lighting Design

## **Employment History**

1992-Present, ZMM, Electrical Designer/Technician

1988-1992, W. Va. Signal & Light, Inc., Construction Estimator/Purchasing Agent & Office Manager

1973-1988, ZMM, Electrical Designer/Technician

## **Professional Credentials**

Lighting Certified by the National Council on Qualifications for the Lighting Professions (NCQLP)

Master Electricians License (West Virginia)

## **Professional Experience**

Mr. Abernethy is responsible for interior and exterior building lighting design, lighting control and energy management system design, building electrical power distribution design, data system design, sound system design, fire alarm system design, security system design, closed circuit TV System design, emergency generator system design, Division 16 specification writing, commercial building electrical cost and budget estimating, electrical design and production time estimating and existing and new facilities inspection and documentation at ZMM.

In addition to Mr. Abernethy's design responsibilities, he also serves on ZMM's AutoCAD production committee.

Mr. Abernethy started his career in 1970 in the field of drafting for the United States Army and FMC Chemicals in Charleston, WV. He began his electrical design experience in 1973 at ZMM. He is a certified Lighting Designer recognized by the National Council on Qualifications for the Lighting Professions and a Licensed Master Electrician in the State of West Virginia.

## **Project Experience**

State of WV Office Buildings 5, 6 & 7

Erma Byrd Higher Education Center

Lincoln County High School

St. Albans High School

Southside Elementary/Huntington Middle School

Martha Elementary School

Greenbrier East High School



**Position**

Mechanical and Plumbing Designer, ZMM

**Education**

Mechanical and Plumbing Drafting; Center College, Charleston, West Virginia; 1968 - 1969

**Employment History**

1969-Present, Mechanical and Plumbing Designer; Designer, ZMM

**Professional Experience**

Mr. Groom's background includes nearly 40 years of mechanical and plumbing design.

This experience has been acquired through working on a variety of projects including: commercial, industrial, office, educational, healthcare, and correctional.

**Project Experience**

WV Regional Jails and Correctional Facilities

WV Air National Guard Training Facility

Pratt & Whitney Aircraft of WV

King of Prussia Mall, PA

Walker Machinery Company

Regional Training Institute at Camp Dawson

St. Albans High School

WV State Office Buildings # 5, 6 & 7

Multiple Plumbing Projects

# MARK T. EPLING

AIA, NCARB, CSI-CDT, LEED AP



## Position

Architect, Specifications Writer

## Education

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

## Employment History

1998 - Present, Project Architect/Specification Writer, ZMM

1997 - 1998, Project Architect, Ohio Architectural Firm

1982 - 1997, Self-Employed Architect

1978 - 1982, Intern Architect, Ohio Architectural Firm

## Professional Credentials

Registered Architect (OH and WV)

LEED Accredited Professional

NCARB Certification

CSI Technologist

Construction Document Technologist

## Civic Affiliations

Professional Member, American Institute of Architects

## Professional Experience

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

Specific project responsibilities include development of Construction Drawings and Specifications.

## Project Experience

Erma Byrd Center

Joint Interagency Training & Educational Center (JITEC)

Milton Middle School

Barboursville Middle School

Southside Elementary/Huntington Middle School

laeger - Big Creek High School

Saint Albans High School

New River Elementary School

Bradshaw Elementary School

Hacker Valley Pre K -8 School

Dow Plant Headquarters

CFMO Expansion

WV Army National Guard - Glen Jean Armed Forces Center

# GLENN R. SAVAGE

CSI-CDT, CSI-CCS



## Position

Construction Administrator, ZMM

## Education

B.S., Environmental Science; University of Charleston, Charleston, West Virginia; 1997

A.S., Mathematics; West Virginia State University, Institute, West Virginia; 1992

## Employment History

1998-present, Construction Administrator; ZMM

1997-1998, Environmental Project Manager; West Virginia Area Engineering Firm

1992-1997, Environmental and Construction Quality Control Manager; West Virginia Area Construction Company

1981-1992, Field and Laboratory Testing Manager; West Virginia Area Environmental Engineering Firm

## Professional Credentials

CSI, Certified Construction Specifier (Construction Specification Institute)  
CDT, Certified Construction Document Technologist

## Professional Experience

Mr. Savage has performed construction administration services on a variety of building types including: Educational Facilities; Correctional Facilities; and Office/Light Industrial Facilities.

Mr. Savage's past experience in the construction testing and environmental fields is a benefit to clients during the site preparation and foundation installation.

## Project Experience

Western Regional Jail

Alderson Federal Prison Camp

Jean Dean Safety/Law Enforcement Building

Highland Hospital

Mountaineer Middle School

Nicholas County High School

East Greenbrier High School

Gauley Bridge Elementary

Summersville Hospital Medical Building

Cacapon State Park

Blackwater Falls State Park

Ronceverte Elementary School

Mount View High School

# Project Organization and Schedule

*WV Rehabilitation Center*



## Project Organization

Please find attached a proposed organizational chart for the WV Rehabilitation Center Renovation project. All of the work will be performed out of our office in Charleston.

## Project Schedule

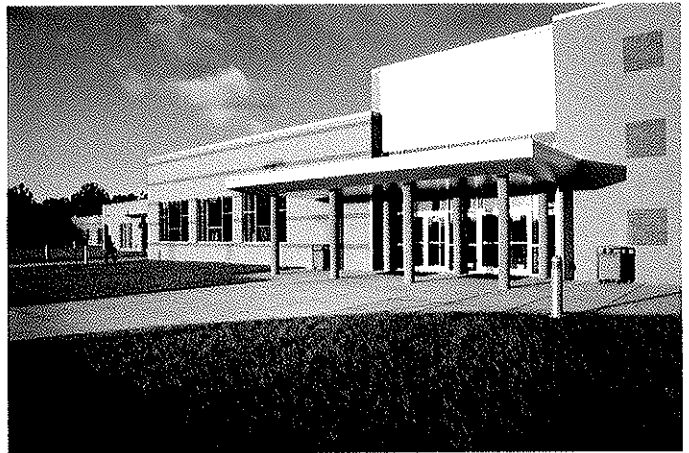
Please find attached a proposed schedule for the project. Due to our ability to offer complete and integrated, Architectural, Interior Design and Engineering from one location, **ZMM** is uniquely qualified amongst West Virginia firms to provide quality professional services that will meet your project schedule. **ZMM** will commit the resources and project team immediately (if selected) to meet the State of West Virginia's deadline for the project.

Recent experience that demonstrates our ability to complete design work in an efficient manner includes a recent project for the Cabell County Board of Education. In less than a year **ZMM** was able to complete the design work on five (5) separate facilities totaling over \$70M, all of which are recently completed. Please contact the Cabell County Board of Education to discuss our ability to expedite design work:

Mike O'Dell, Assistant Superintendent of Operations  
Cabell County Schools  
304.528.5069

Additional relevant experience that demonstrates our ability to meet aggressive deadlines is demonstrated in our work for the Higher Education Foundation. After a previous firm was unable to resolve the project budget, **ZMM** was selected to design the new Erma Byrd Center in Beckley. When selected **ZMM** committed to an aggressive schedule, and completed the design services within three months, delivering a project that won a 2008 AIA Honor Award. We are committed to providing this same level of service to the State of West Virginia General Services Division. Please contact the Higher Education Foundation to discuss our ability to provide high quality architectural, interior design, and engineering services in a timely manner:

Father Thomas Acker, S.J., Executive Director  
The Higher Education Foundation  
304.929.2010





WEST VIRGINIA DEPARTMENT OF EDUCATION AND THE ARTS  
**DIVISION OF REHABILITATION SERVICES**

Adam Krason, AIA, LEED AP  
Principal

Rodney Pauley, AIA  
Project Manager

**CONSTRUCTION ADMIN.**  
Glenn Savage, CSI-CDT  
Engineering Management

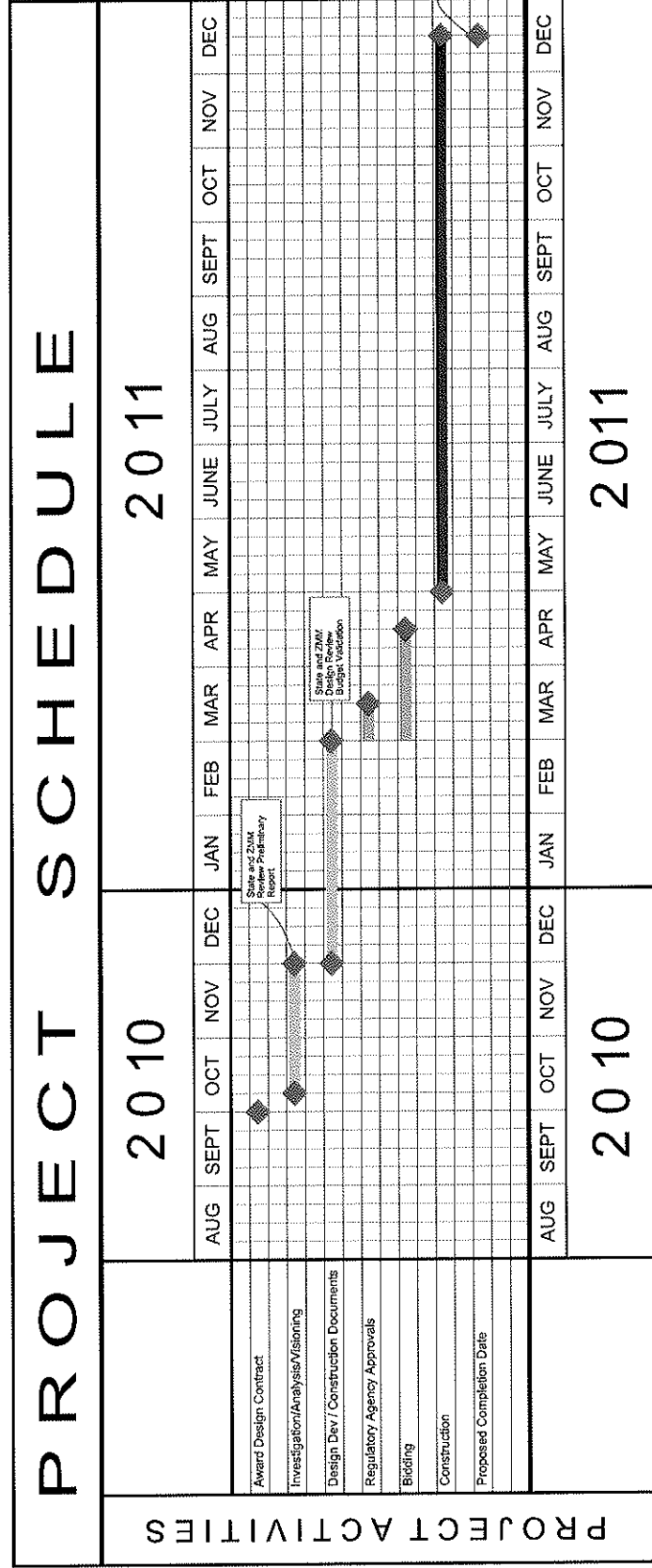
**ENGINEERING**  
Bob Doeffinger, PE  
Engineering Management  
  
Steve Hedrick, PE  
Structural Engineer  
  
Mary Jo Cleland, PE  
Civil Engineer  
  
Scot Casdorff, PE  
Electrical Engineer  
  
Mike Abernethy, LC, IESNA  
Lighting Designer

**ARCHITECTURAL**  
Hank Walker, AIA, LEED AP  
Architect  
  
Nathan Spencer, AIA  
Architect  
  
Matt Engle, AAIA  
Designer  
  
Mark Epling, AIA, LEED AP  
Specifications Writer

**INTERIOR DESIGN**  
Jill Watkins, IIDA, LEED AP  
Interior Designer



# WV Rehabilitation Center Renovation



◆ THIS SYMBOL DESIGNATES AN ACTION ITEM



# 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 eight 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)
<b>National Guard Bureau</b> Area (MSF)		
Books	45,111	
CD-ROMs	9,015	
Total (MSF)	54,126	
<b>Department of Energy</b> Area (MSF)		
Books	12,411	
CD-ROMs	18,331	
Books/CD-ROMs	18,331	
Books	18,331	
CD-ROMs	18,331	
Total (MSF)	67,735	
<b>AFRC</b> Area (MSF)		
Books	18,331	
CD-ROMs	18,331	
Books/CD-ROMs	18,331	
Books	18,331	
CD-ROMs	18,331	
Total (MSF)	73,655	
<b>Joint Interagency Training Center/Exam</b> Area (MSF)		
Books	18,331	
CD-ROMs	18,331	
Books/CD-ROMs	18,331	
Books	18,331	
CD-ROMs	18,331	
Total (MSF)	73,655	
<b>Library</b> Area (MSF)		
Books	18,331	
CD-ROMs	18,331	
Total (MSF)	36,662	
<b>Total Building Area</b> Area (MSF)		
National Guard Bureau	54,126	
Department of Energy	67,735	
AFRC	73,655	
Joint Interagency Training Center/Exam	73,655	
Library	36,662	
Total (MSF)	285,873	





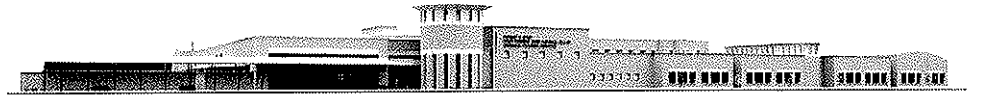
# PROFESSIONAL SERVICES



## DESIGN

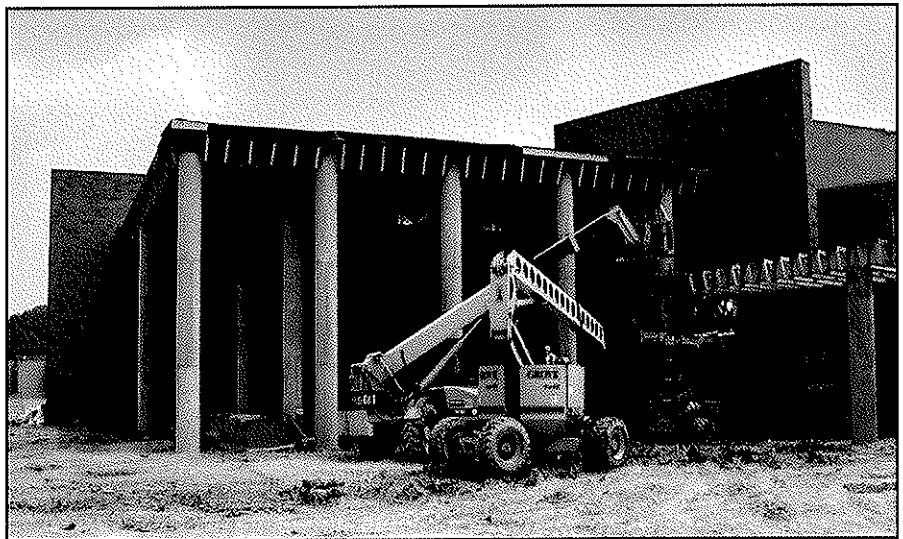
Architectural Design  
Sustainable Design  
Interior Design  
Landscape Architecture  
Structural Engineering  
Mechanical Engineering

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





At ZMM, we strive to be the best. Our Quality Assurance Program is one step in the process of exceeding our clients' expectations. Our QA/QC Program is led by Mr. Steve Branner, AIA and Mr. Rod Watkins, REFP, both Principals of the firm, who combined bring more than 80 years of experience ensuring the quality of every ZMM project.

## **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. Project team members are selected based upon relevant experience, and ability to help achieve the client's vision.

## **2. Identifying Project Requirements**

Project team members are fully integrated in each phase of the design process, ensuring a quality project from the beginning, to take advantage of early sustainable design decision-making. The project requirements are included in a 'Basis of Design' that each member of the project team can access. The 'Basis of Design' helps guide important project decisions.

## **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

ZMM has developed a series of QA/QC review documents that are completed during each phase, and include a programmatic review, technical review, and review of the project schedule and budget.

## **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. These reviews typically include participation from the owner and the contractor

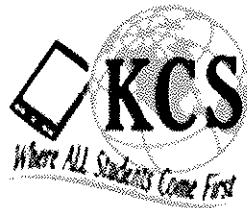
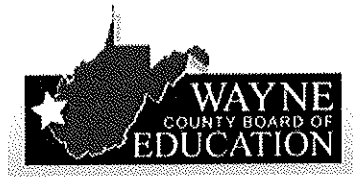
## **6. Staff Training, Assessment and Enhancement**

Ongoing staff development and training is very important to ZMM. Providing increased opportunities for learning and advancement leads to improved employee performance more successful projects.

# QUALITY ASSURANCE



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



# State Office Building #5, 10th Floor

Office of Technology

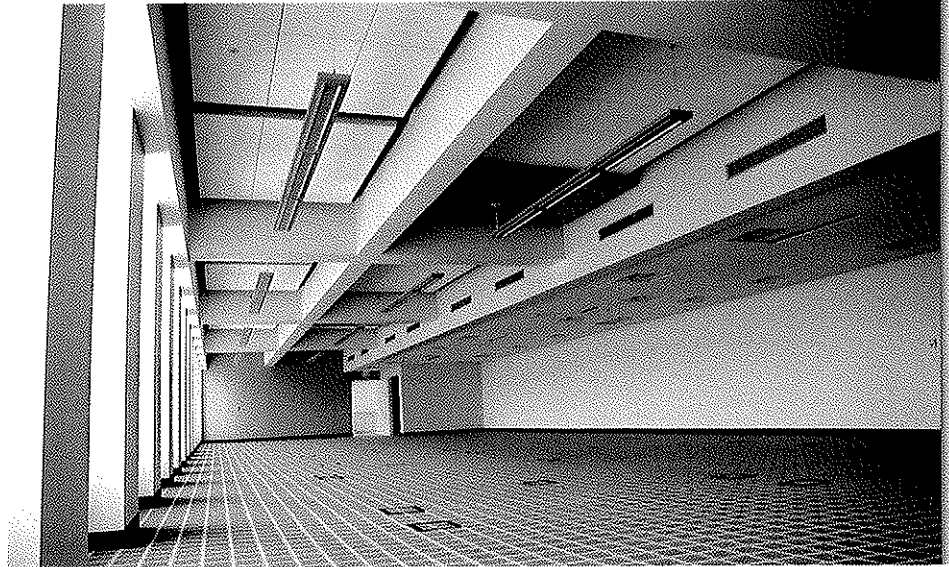


LOCATION:  
Charleston, WV

SIZE:  
22,000SF

COST:  
\$3.7M

COMPLETION:  
2010

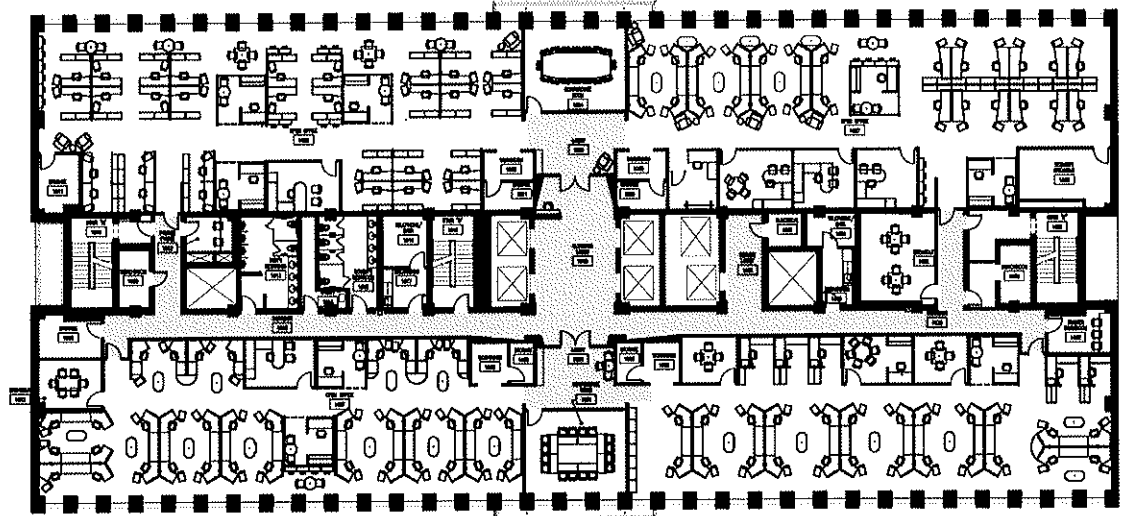


CONTACTS:  
Mr. David Oliverio  
Director  
General Services  
Division  
1900 Kanawha Blvd. E  
Charleston, WV 25305  
304.558.3517

Mr. Chuck Lawrence  
Director  
Department of Admini-  
stration  
Real Estate Division  
1409 Greenbrier Street  
Charleston, WV 25311  
304.558.4331

The renovation of the tenth floor of State Office Building #5 on the State of West Virginia Capitol Campus was recently completed for the Office of Technology. The renovation was designed to meet the United States Green Building Council's LEED for Commercial Interiors standard. To commence the project, ZMM conducted a detailed investigation of State Office Buildings 5, 6, & 7, which included recommendations for improvement of the facilities. The renovation of the 10<sup>th</sup> floor of Building #5 was the first major interior renovation project that responded to the recommendations. The renovation was technically intensive, and included demolition of the existing construction back to the building structure, as well as significant hazardous material abatement.

ZMM, working with the State of West Virginia General Services Division, the Real Estate Division, and the Office of Technology developed a strategy to renovate 22,000 SF of space to accommodate 137 employees. The design includes a mix of private and open office space, and responds to current workplace trends. The renovations include a low profile cable management system which maximizes the flexibility of the space. ZMM also developed the interior, furniture, fixture, and equipment design with significant coordination with the Office of Technology.



# State Office Building #5, 10th Floor

Office of Technology



LOCATION:  
Charleston, WV

SIZE:  
22,000SF

COST:  
\$3.7M

COMPLETION:  
2010

CONTACTS:

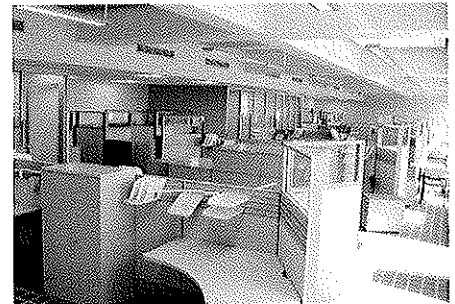
Mr. David Oliverio  
Director  
General Services  
Division  
1900 Kanawha Blvd. E  
Charleston, WV 25305  
304.558.3517

Mr. Chuck Lawrence  
Director  
Department of Admini-  
stration  
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Charleston, WV 25311  
304.558.4331



To improve the opportunity for daylighting, office spaces have been "pulled-in" to the core of the building. This decision will allow for daylight to be introduced deep into the interior work areas, and will allow access to the daylight and views for all employees. The perimeter structural bays of the open office areas have a "coffered" ceiling. Ductwork for mechanical distribution is terminated at a bulkhead at the interior edge of the perimeter structural bay, allowing for more open volume and a more contemporary aesthetic.

The design of the 10<sup>th</sup> floor renovation also provided the opportunity to introduce a standard "transverse" core will be developed throughout State Office Buildings 5 & 6. The transverse core includes all of the major entry, meeting, and workroom functions. In addition to the office areas, the elevator lobby has been updated to create a consistent look and level of finish at the entry point to the Office of Technology.

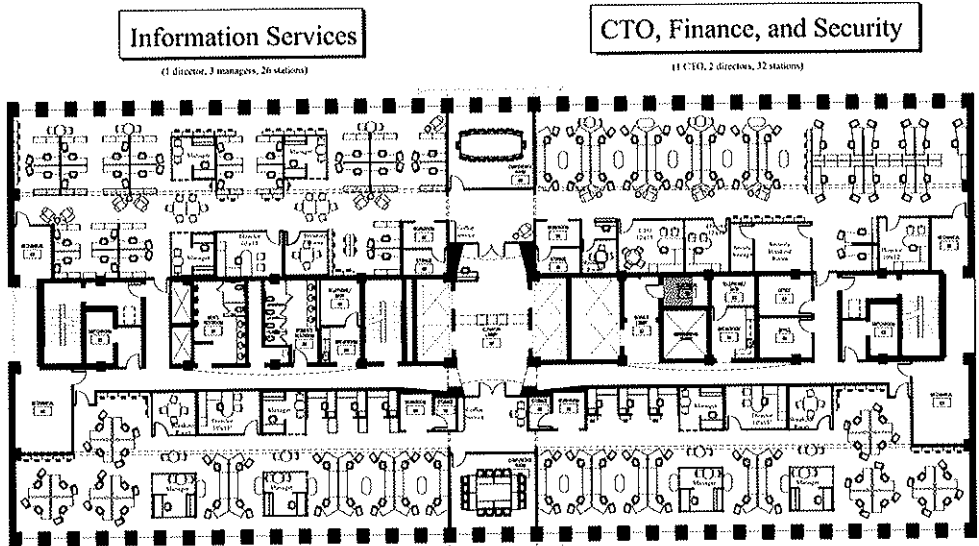


# State Office Building #5, 10th Floor - Process

Office of Technology



## Space Planning



Information Services

(1 director, 3 managers, 26 stations)

CTO, Finance, and Security

(1 CTO, 2 directors, 32 stations)

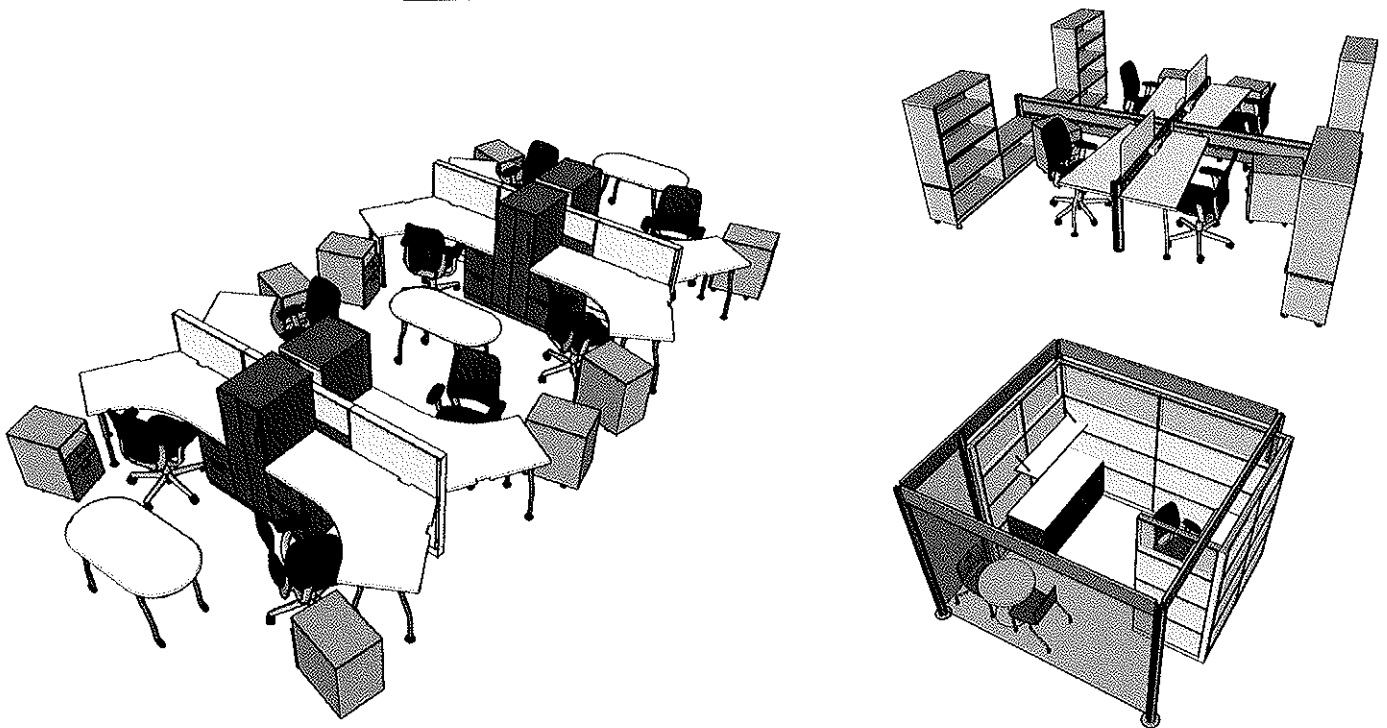
Network Infrastructure/Telecomm.

(1 director, 3 managers, 3 trainers, 26 stations)

Client Services

(1 director, 3 managers, 29 stations)

## Office Design

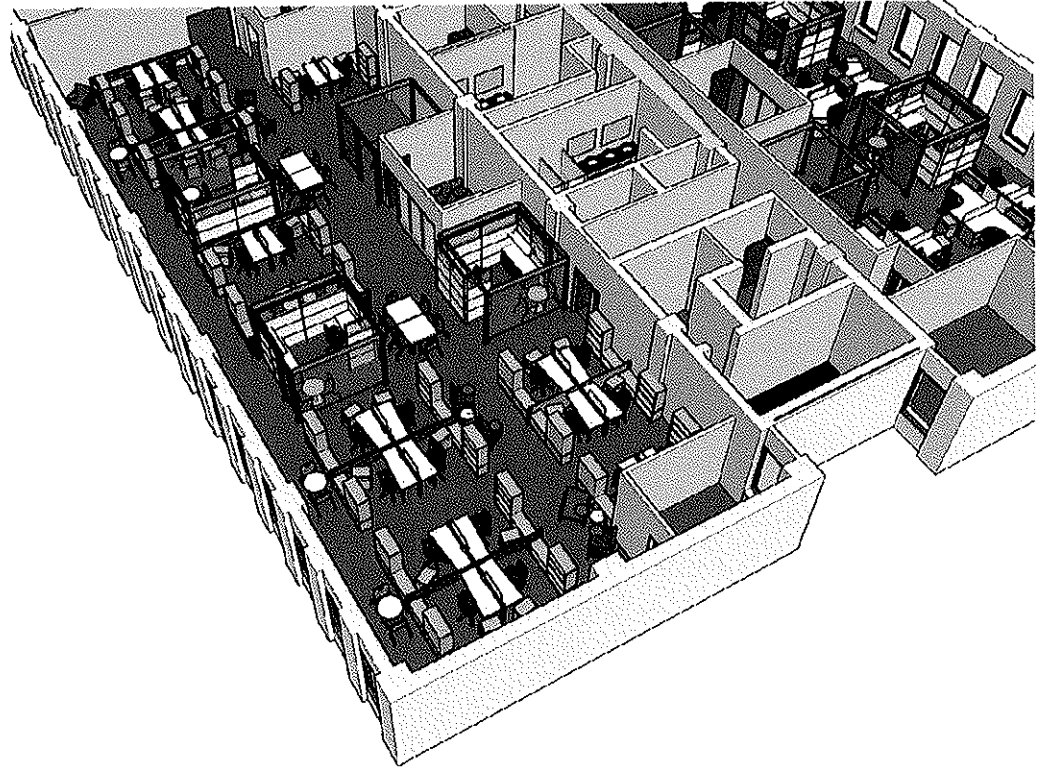


# State Office Building #5, 10th Floor - Process

Office of Technology



## Space Planning

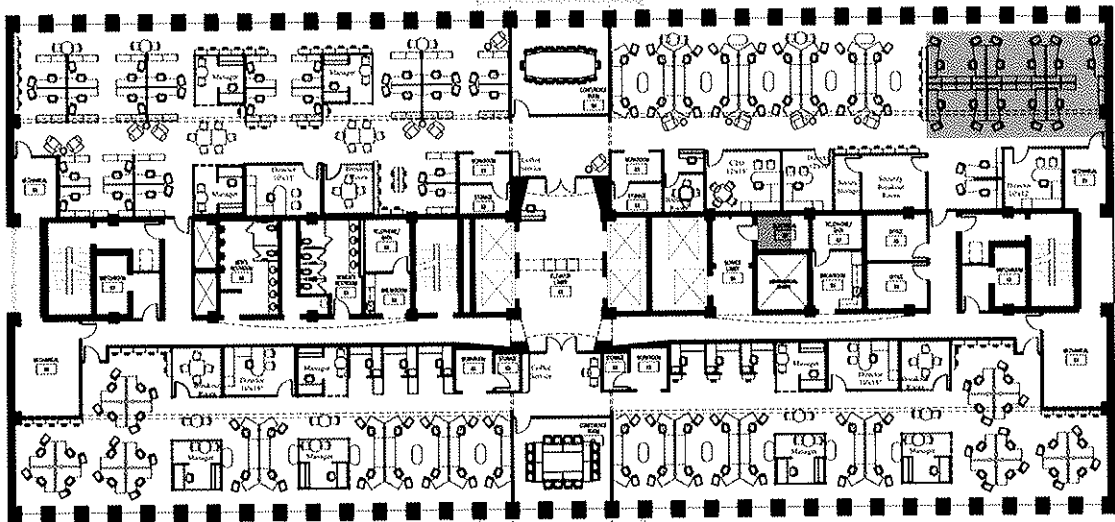


### Information Services

(1 director, 3 managers, 26 stations)

### CTO, Finance, and Security

(1 CTO, 2 directors, 32 stations)



### Network Infrastructure/Telecomm.

(1 director, 3 managers, 3 trainers, 26 stations)

### Client Services

(1 director, 3 managers, 29 stations)

# Joint Interagency Training & Education Center

WVARNG



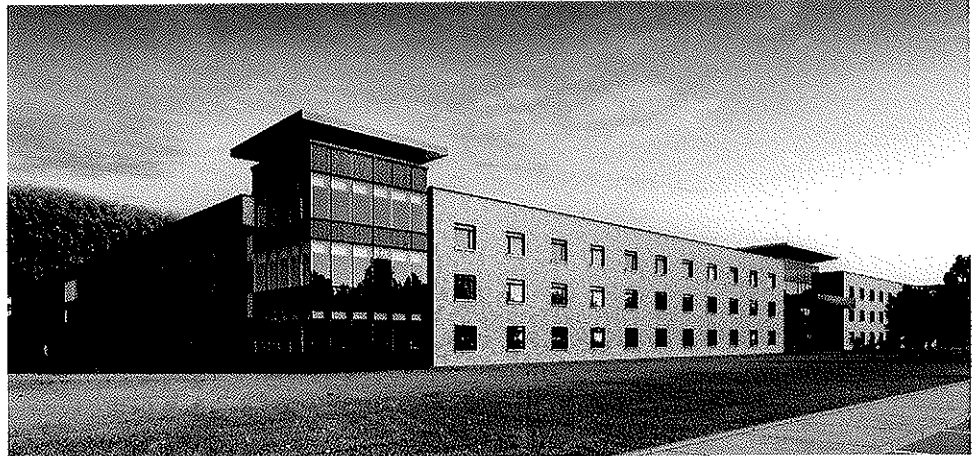
LOCATION:  
Kingwood, West Virginia

SIZE:  
285,000 SF

COMPLETION:  
Est. 2012

COST:  
\$110 Million

CONTACT:  
Brigadier General Melvin  
L. Burch  
WVARNG  
1707 Coonskin Drive  
Charleston, WV 25311  
304.561.6450



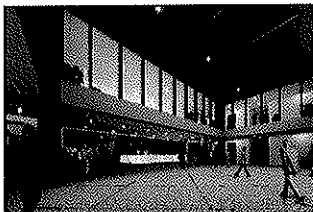
ZMM, in association with AECOM, is providing architectural and engineering design services for the Joint Interagency Training and Education Center (JITEC), an Army National Guard campus-style facility for training and operational mission support. Sited on 30 acres at the northern end of Camp Dawson between the Cheat River and the foot of Brier Mountain, this 283,000-SF project includes the design of a new operations building; expansion of the billeting facility; renovation of the training facility; creation of a new base entry checkpoint and visitor center; and design for walkway connectors between all the facilities.

The project began with a review of the existing base master plan, followed by a revision of the master plan concept. JITEC is a training and educational facility – the vision behind the site design and updated master plan is that of a college campus atmosphere. The design intent is to create a campus environment that integrates existing buildings with new ones by using compatible, yet distinct building materials.

As the scale of the project includes several miles of roads, parking, and utility upgrades affecting the entire base, the project is being phased over a four-year construction period. Simultaneous construction of all of the new facilities, as well as phased construction in existing buildings, will minimize the disruption to current operations.

The new facilities are designed to meet all anti-terrorism/force protection criteria and are slated for LEED-NC silver certification from the U.S. Green Building Council. The new 82,000-SF operations building is prominently sited as the main focal point upon entering Camp Dawson through the secure access control point and visitor's center, also designed by AECOM. The building's exterior complements its West Virginia setting. The entire building front, composed of glass and pre-cast concrete walls, is open and inviting with glazing that reflects the surrounding trees and hills. Security requirements for the command center influenced the design of the attached, copper-clad "black box" that is an homage to the native rock stratification seen throughout the state.

The building consists of four distinct areas: the Joint Operations Center; a suite of secure training rooms; base headquarters and JITEC administrative offices; and a 6,000-SF server and telecommunications room.





# Joint Interagency Training & Education Center

WVARNG



LOCATION:  
Kingwood, West Virginia

SIZE:  
285,000 SF

COMPLETION:  
Est. 2012

COST:  
\$110 Million

CONTACT:  
General Melvin L. Burch  
WVARNG  
1707 Coonskin Drive  
Charleston, WV 25311  
304.561.6450



Entry to the Joint Operations Center (JOC) is provided by a secure mantrap adjacent to a dedicated security office. Built to SCIF standards, the JOC contains a state of the art command center housing 48 permanent work stations in a theater-style configuration facing a large video wall, flanked by conference rooms and offices for both officers and support staff. Within the JOC is a secure area consisting of workstations, offices, and two divisible conference rooms with secure video conferencing capabilities. The secure area construction dictates a windowless environment, requiring proper lighting and creative use of materials to create an agreeable work atmosphere.



Adjacent to the JOC are three large training rooms, capable of seating 70 persons each. Lining the front of each room are LCD video walls with large, open areas for workstations, desks, and office equipment, as well as space for private offices. These rooms function primarily as training areas; however, their close proximity to the JOC allows maximum flexibility in securing the entire area from the rest of the building by means of card access-only doors.



The administrative office areas occupy a prominent position at the building's entry and consist of open office areas with workstations, private offices, conference rooms, and storage. The design of this area follows sustainable guidelines for daylighting, promoting a healthy work environment through the use of materials that comply with LEED requirements. The new 6,000-SF network server room, which serves as the base hub, occupies the second floor of the facility along with the building's engineering systems. All electrical, data and communications infrastructure is contained within raised access flooring throughout the building.

The 180,000-SF billeting (hotel) expansion more than triples the facility size and increases the total capacity from 189 guest rooms to 600 guest rooms and suites. Designed to relate to the existing architecture with similar scale, materials, textures, and massing, the addition also brings in new elements, such as iconic glazed building corner elements, to integrate the design of the new operations building. A new dedicated lobby with terrazzo tile flooring leads to a monumental stair with terrazzo treads, open risers, and a glass/stainless steel railing for access to the open lounge areas on the second and third floors.

The lobby's design provides a hotel atmosphere, underscored by the new Liberty Lounge, an upscale bar and restaurant area, with wood finishes salvaged from the gymnasium floor in the existing headquarters building. The new six "executive suites", are designed to the full amenities of corporate hotels.

# Construction & Facilities Management Office

WVARNG



LOCATION:  
Charleston, West Virginia

SIZE:  
19,935 SF

COMPLETION:  
2008

CONTACT:  
General Melvin L. Burch  
WVARNG  
1707 Coonskin Drive  
Charleston, WV 25311  
304.561.6450

AWARDS:  
2009 AIA Merit Award  
West Virginia Chapter  
*Achievement in Architecture*



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.

# Wood County Justice Center

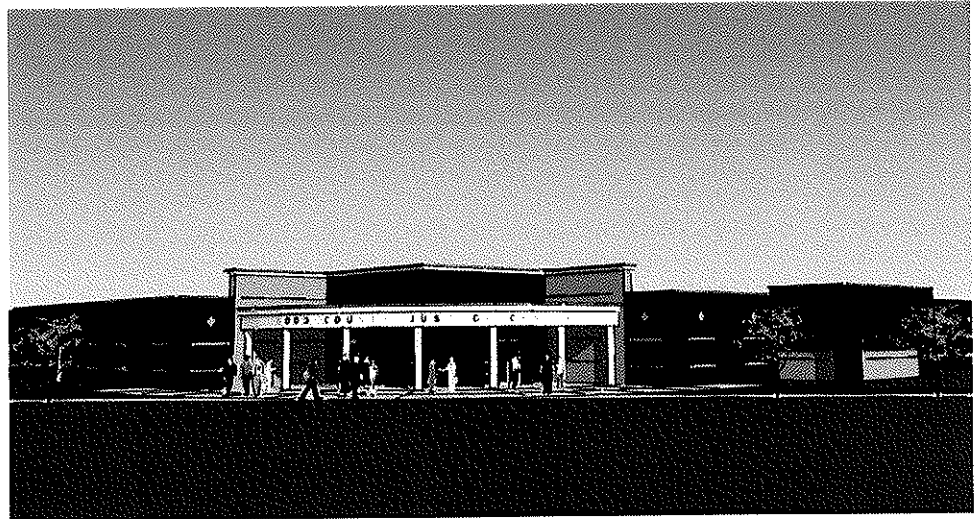


**LOCATION:**  
Parkersburg, West Virginia

**SIZE:**  
32,000 SF

**COMPLETION:**  
TBD

**CONTACT:**  
Mr. Rick Modesitt  
Commissioner  
No. 1 Court Square, Suite  
203  
Parkersburg WV 26101  
304.424.1984



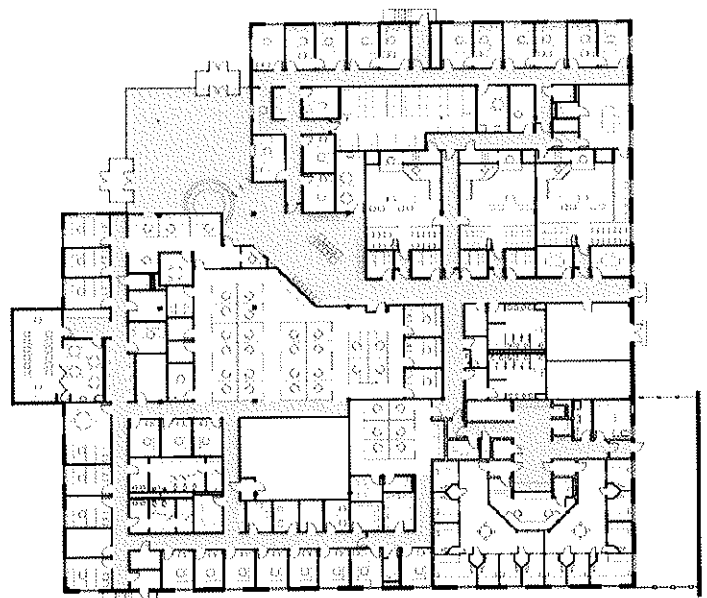
This project was an extensive renovation of a 15 year old, 32,000 square foot, single story office building purchased by the Wood County Commission in order to bring together 3 government functions that were housed in 3 separate buildings.



The program consists of offices for the county's Magistrate Court system, 3 court rooms, and offices for the Sheriff's Department, Home Confinement officers as well as a 12-hour Inmate Holding Center.

The building's main entrance was relocated and redesigned to provide a new, more prominent identity to the building and to align with the new parking area created by the demolition of the existing magistrate court building. Skylights were located in open office areas and public waiting areas to provide more natural light inside the building and reduce electricity use.

The project was designed around the U.S. Green Building Council's New Construction and Major Renovation Guidelines with a target of becoming LEED Certified.



# Southside Elementary & Huntington Middle School

*Cabell County Schools*



LOCATION:  
Huntington, West Virginia

SIZE:  
158,194 SF

COMPLETION:  
Est. 2010

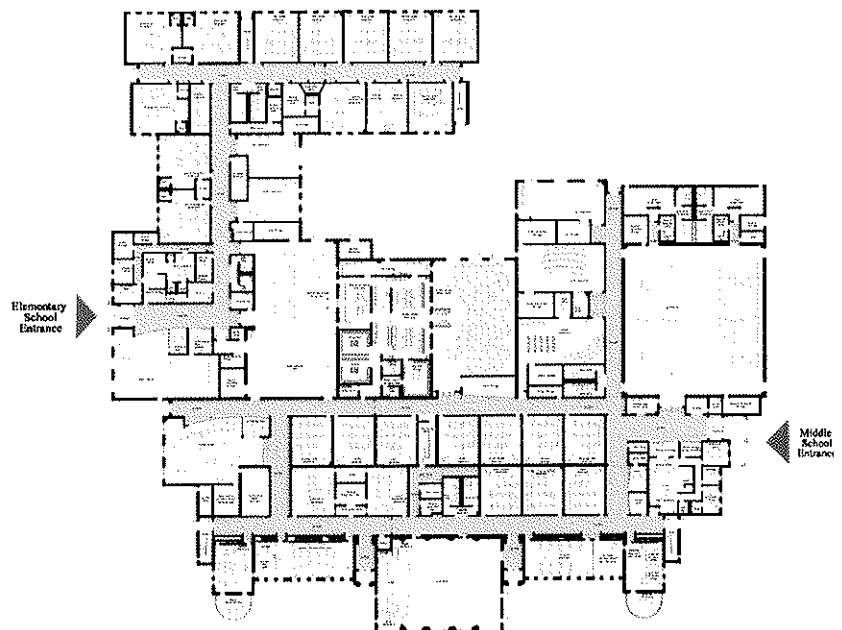
COST:  
\$27 Million

CONTACT:  
Mr. William Smith  
Superintendent  
2850 5th Avenue  
Huntington, WV 25702  
304.824.3033



The two schools that previously occupied the site of the New Southside Elementary School and Huntington Middle School were known as Cammack Elementary School and Cammack Middle School. The new facility houses a combined 1,014 Elementary and Middle School students. When the Cabell County Board of Education proposed a \$61M bond issue in 2006, the Huntington community expressed the importance of saving this neighborhood landmark.

The new facilities were designed to blend with the architectural character of the existing facility. More than 70% of the existing building was demolished and the portion remaining was completely renovated. Two new stair towers provide a vertical architectural element that separates the existing structure from the new construction. The result is a cohesive design that blends the unique elements of the former Cammack School into a modern educational complex that exceeds the requirements of 21<sup>st</sup> century learning.



# Southside Elementary & Huntington Middle School

*Cabell County Schools*



**LOCATION:**  
Huntington, West Virginia

**SIZE:**  
158,194 SF

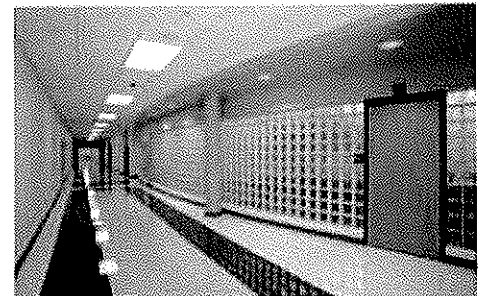
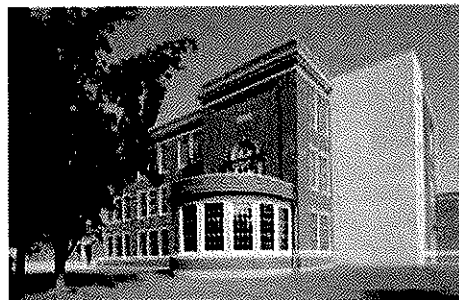
**COMPLETION:**  
Est. 2010

**COST:**  
\$27 Million

**CONTACT:**  
Mr. William Smith  
Superintendent  
2850 5th Avenue  
Huntington, WV 25702  
304.824.3033

Although the expanded facility houses both an elementary and a middle school, each have their own distinct entrance and administrative complex and the students remain physically separated on opposite sides of the facility. The new schools only share a kitchen, which has been located to serve separate dining facilities.

With the community's support of the bond, ZMM has designed a facility that maintains the historic character of the façade and auditorium, while replacing the remainder of the facility. The community has maintained a landmark, while developing new state of the art elementary and middle schools.



# St. Albans High School

Kanawha County Schools



LOCATION:  
St. Albans, West Virginia

SIZE:  
216,500 SF

COMPLETION:  
2003

COST:  
\$24 Million

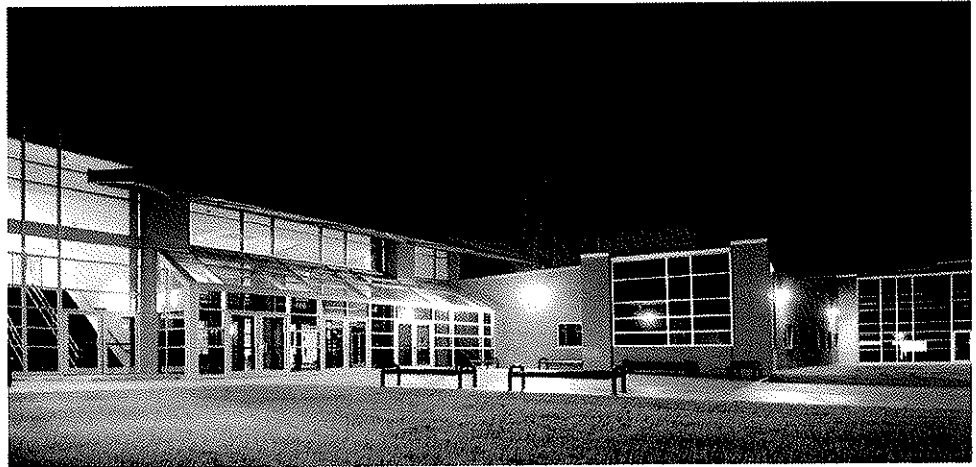
CONTACT:  
Dr. Ron Duerring  
Superintendent  
200 Elizabeth Street  
Charleston, WV 25523  
304.348.7732

#### AWARDS:

Impact on Learning Award  
*Effective Transformation*

Education Design Showcase  
*Outstanding Building Design*

American School & University  
*Outstanding Building Design*



One outstanding feature of the completed renovation of St. Albans High School is its unique, inviting physical entryway and the aesthetically pleasing and functional commons/cafeteria area. The commons is a visual focal point of the school creating a natural flow from the front entrance, through the commons to the outside assembly/instructional area, it also serves as a connecting hub between the academic spaces and the physical education and auditorium areas.

Significant green space was retained and enhanced which providing an inviting and safe approach to the high school building. An outside amphitheater, located adjacent to the music and theater departments, provides ample space for music and drama productions as well as a gathering space for students. In response to the students need for more "outside living space" the rear dining plaza was created. It has a visual impact on the interior and provides a flexible learning environment for the students and educators.

The addition of an auxiliary gym, renovations to the auditorium complex, a new media center and other additions and improvements allow spaces for more extensive use by the community. Renovations to the auditorium resulted in a space that is educationally functional and is a source of pride for the students and the entire community.



# St. Albans High School

Kanawha County Schools



LOCATION:  
St. Albans, West Virginia

SIZE:  
216,500 SF

COMPLETION:  
2003

COST:  
\$24 Million

CONTACT:  
Dr. Ron Duerring  
Superintendent  
200 Elizabeth Street  
Charleston, WV 25523  
304.348.7732

#### AWARDS:

Impact on Learning Award  
*Effective Transformation*

Education Design Showcase  
*Outstanding Building Design*

American School & University  
*Outstanding Building Design*



Instructional spaces have been designed to be flexible, adaptable and accommodating for the more active, student oriented instructional programs and methods of the district. Classroom and other spaces are bright and welcoming for students and staff and appropriate space and equipment are provided to allow for the efficient and effective delivery of program objectives.

Responding to concerns from students, staff and the community, and due to the condition of existing science facilities, science wing was completely replaced with modern, functional and flexible space and equipment.

Provisions for new and emerging technologies were greatly enhanced throughout the building. The new media center is the central hub for technology and with the inclusion of an appropriate infrastructure, providing flexibility needed for the technology of the future. St. Albans High School was completed during the summer of 2003 and was occupied by the student body at the beginning of the 2003-2004 school year.

# State of West Virginia

## CAPITOL CAFETERIA RENOVATION



LOCATION:  
Charleston, West Virginia

SIZE:  
14,000 SF

COST:  
\$3.7M

COMPLETION:  
2007

CONTACT:  
Mr. David Oliverio  
Director  
General Services  
Division  
1900 Kanawha Blvd. E  
Charleston, WV 25305  
304.558.3517



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.



# Judge Black Courthouse Annex

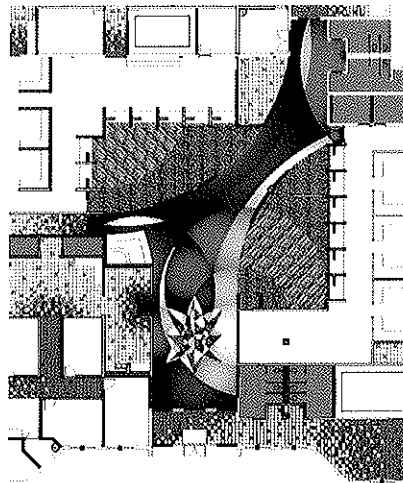
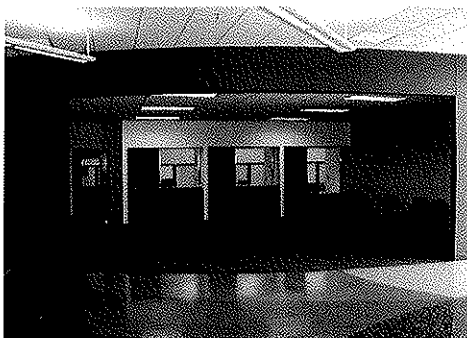


LOCATION:  
Parkersburg, West Virginia

SIZE:  
36,828 SF

COMPLETION:  
2005

CONTACT:  
Mr. Rick Modesitt  
Commissioner  
No. 1 Court Square, Suite  
203  
Parkersburg WV 26101  
304.424.1984



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.

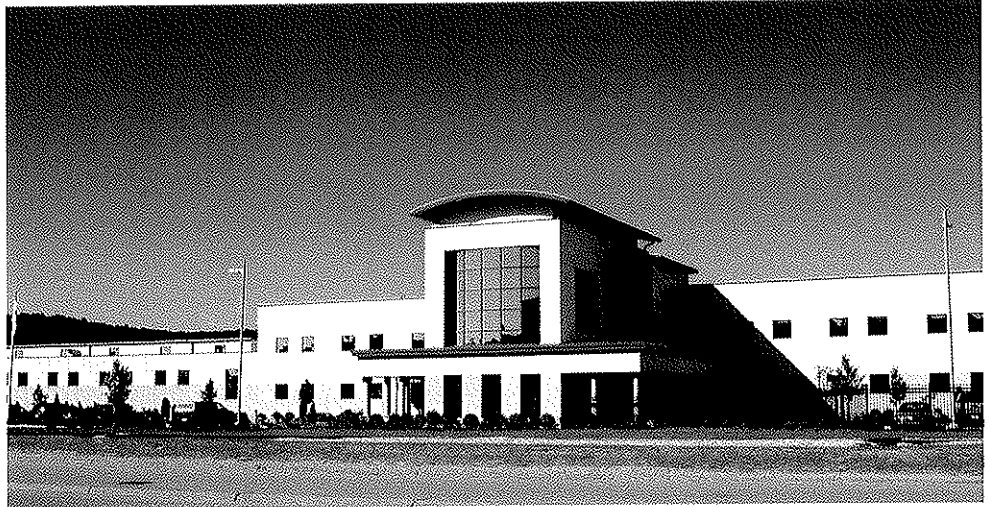
# Dow Plant Headquarters Building



LOCATION:  
South Charleston,  
West Virginia

SIZE:  
27,200 SF

CONTACT:  
Jim Guidarini  
Plant Manager  
437 MacCorkle Avenue  
South Charleston, WV  
25303  
304.746.5471



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

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



# Blue Cross and Blue Shield Headquarters Building

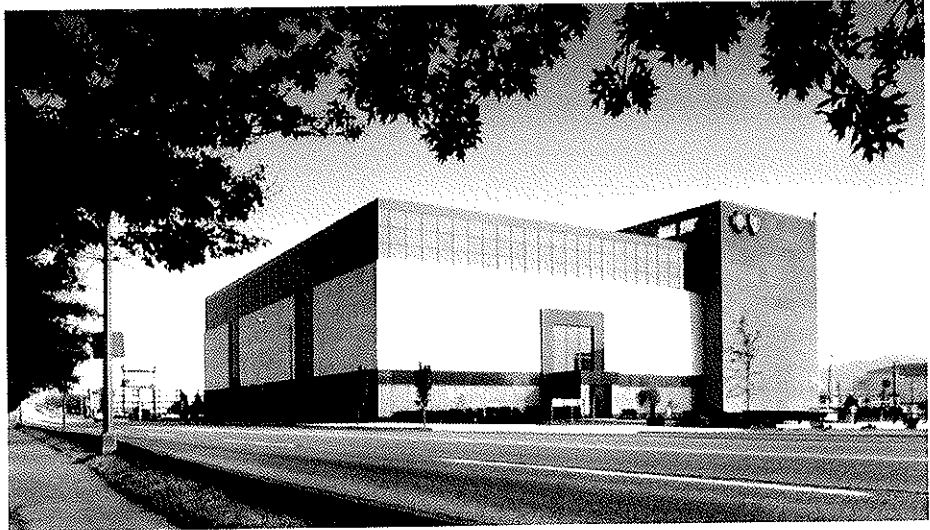


LOCATION:  
Charleston, West Vir-  
ginia

SIZE:  
110,000SF

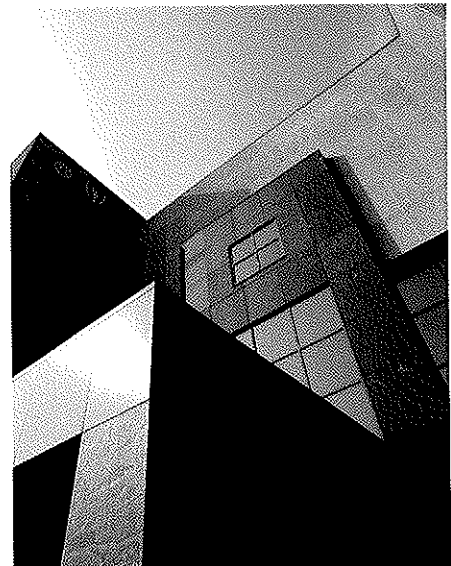
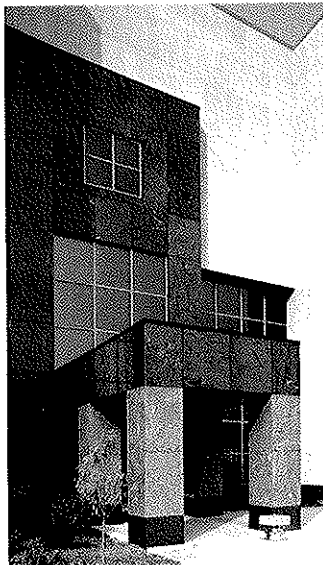
COST:  
\$9 Million

CONTACT:  
Mr. Robert Young  
Blue Cross Blue Shield -  
CASCI  
200 Kanawha Blvd, East  
Charleston, WV 25301  
304.353.7200



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.*



# Award Winning Design



2010

Hacker Valley PK-8 School  
 Hacker Valley, WV  
 2010 - Honor Award  
*"Excellence in Architecture"*  
 AIA West Virginia Chapter



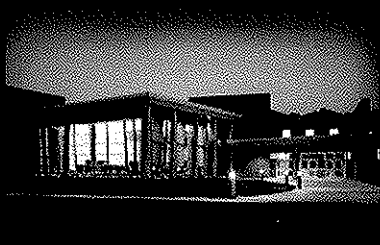
2009

Construction & Facilities  
 Management Office  
 Charleston, WV  
 2009 - Merit Award  
*"Achievement in Architecture"*  
 AIA West Virginia Chapter



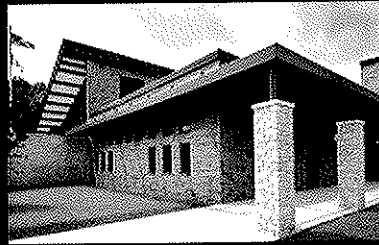
2008

Erma Byrd Center  
 Beckley, WV  
 2008 - Honor Award  
*"Excellence in Architecture"*  
 AIA West Virginia Chapter



2007

Lincoln County High School  
 Hamlin, WV  
 2007 - Honor Award  
*"Excellence in Architecture"*  
 AIA West Virginia Chapter  
 Education Design Showcase  
*"Project of Distinction Award"*  
 American School & University  
*"Outstanding Building Design"*



2006

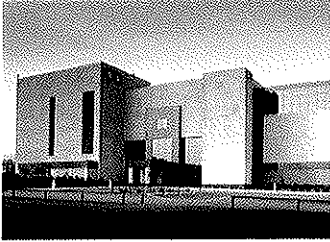
Gene Spadaro  
 Juvenile Center  
 Mount Hope, WV  
 2006 - Merit Award  
*"Achievement in Architecture"*  
 AIA West Virginia Chapter



2004

St. Albans High School  
 St. Albans, WV  
 2004 - Impact in 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**

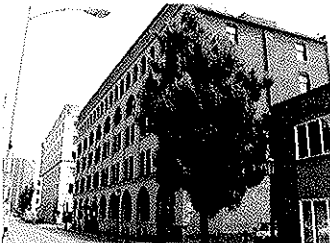
**Corporate Headquarters Facility**  
Blue Cross / Blue Shield of West Virginia  
Charleston, West Virginia

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

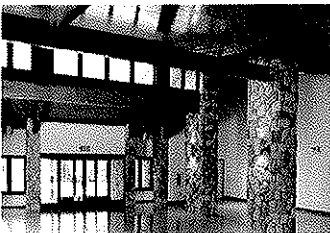


**Corporate Office Building**  
Contractors' Association of West Virginia  
Charleston, West Virginia

**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



**Brigadier General Melvin L. Burch**

Construction Facilities Management Office  
WV Army National Guard  
1707 Coonskin Drive  
Charleston, WV 25311  
304.561.6450

**Construction & Facilities Management Office** - 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.

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**Rick Modesitt, Commissioner**

Wood County Commission  
No. 1 Court Square, Suite 203  
Parkersburg, WV 26101  
304.481.4035

**Wood County Justice Center** - This project was an extensive renovation of a 15 year old, 32,000 square foot, single story office building. The building's main entrance was relocated and redesigned to provide a new, more prominent identity to the building and to align with the new parking area created by the demolition of the existing magistrate court building. The project was designed around the U.S. Green Building Council's New Construction and Major Renovation Guidelines.

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**Chuck Lawrence, Director**

Department of Administration  
Real Estate Division  
1409 Greenbrier Street  
Charleston, WV 25311  
304.558.4331

**West Virginia State Office Building #5, 10th Floor (Office of Technology)** - The renovation of the tenth floor of State Office Building #5 on the State of West Virginia Capitol Campus was recently completed for the Office of Technology. The renovation was designed to meet the United States Green Building Council's LEED for Commercial Interiors standard. ZMM, working with the State of West Virginia General Services Division, the Real Estate Division, and the Office of Technology developed a strategy to renovate 22,000 SF of space to accommodate 137 employees.



**Mike O'Dell**

Assistant Superintendent/Director of Operations  
Cabell County Schools  
2850 5th Avenue  
Huntington, WV 25702  
304.528.5030

**Southside Elementary/Huntington Middle School** - The two schools that previously occupied the site of the New Southside Elementary School and Huntington Middle School were known as Cammack Elementary School and Cammack Middle School. The new facilities were designed to blend with the architectural character of the existing facility. More than 70% of the existing building was demolished and the portion remaining was completely renovated. With the community's support of the bond, ZMM has designed a facility that maintains the historic character of the façade and auditorium, while replacing the remainder of the facility.

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**Dr. Ron Duerring**

Superintendent  
200 Elizabeth Street  
Charleston, WV 25523  
304.348.7732

**St. Albans High School** - One outstanding feature of the completed renovation is its unique, inviting physical entryway and the aesthetically pleasing and functional commons/cafe area. The addition of an auxiliary gym, renovations to the auditorium complex, a new media center and other additions and improvements allow spaces for more extensive use by the community. Renovations to the auditorium resulted in a space that is educationally functional and is a source of pride for the students and the entire community.

STATE OF WEST VIRGINIA  
Purchasing Division**PURCHASING AFFIDAVIT**

**West Virginia Code §5A-3-10a states:** 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.

**DEFINITIONS:**

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

**EXCEPTION:** The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

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.

**WITNESS THE FOLLOWING SIGNATURE**Vendor's Name: ZMM, Inc.Authorized Signature: [Signature] Date: 9/15/10State of West VirginiaCounty of Kanawha, to-wit:Taken, subscribed, and sworn to before me this 16<sup>th</sup> day of September, 2010.My Commission expires 10-6, 2018.

AFFIX SEAL HERE

NOTARY PUBLIC

[Signature]