

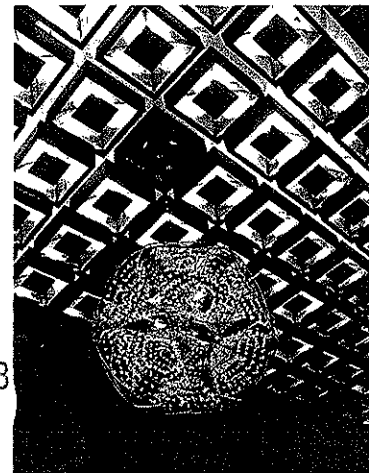
Expression of Interest
for

Cultural Center
Charleston, West Virginia
DCH10030


ZMM

Professional
Architectural &
Engineering Services

Great Hall Lighting Wiring
System for the Cultural Center



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



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

ARCHITECTS & ENGINEERS

Michael Abernethy, LC, IESNA
mike@zmm.com



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

ARCHITECTS & ENGINEERS

RECEIVED

2010 JAN -5 AM 10: 58

WV PURCHASING
DIVISION

January 5, 2010



ARCHITECTS & ENGINEERS

January 5, 2010

Ms. Shelly Murray
State of West Virginia - Purchasing Division
2019 Washington Street, East
PO Box 50130
Charleston, WV 25305-0130

Subject: RFQ# DCH10030 – Culture Center Great Hall Lighting Wiring System

Dear Ms. Murray:

Thank you for giving ZMM the opportunity to submit our qualifications for the design and construction administrative services required for rewiring the lighting fixtures for the Great Hall (Room 200) of the Culture Center. ZMM is uniquely qualified to provide architectural and engineering design services for this project due to our recent experience undertaking renovation projects at the State of West Virginia Capitol Complex, which includes the Electrical Courtyard Improvements, the Food Court Renovation, Building #5 – 10th Floor Renovation, and the Culture Center Gift Shop Renovation.

ZMM has assembled an experienced project team with a strong background working on renovation projects at the State Capitol Complex. Project Manager Brian Estep, AIA, architect of the new Culture Center Gift Shop, will work closely with electrical engineer Scot Casdorff, PE and lighting designer Mike Abernethy, IESNA to develop and implement a design solution that improves both the quality of the lighting and the safety of the State employees that maintain the fixtures.

Mr. Abernethy and I have visited the Great Hall to examine the current conditions, and developed a project understanding and approach that is contained in Section 1 of our Expression of Interest. We look forward to meeting in the near future to discuss the project in greater detail, and (if selected) are committed to immediately commencing the investigation and design process.

Thank you again for giving ZMM the opportunity to present our qualifications, and to address specific requirements of your project.

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

Cultural Center – Great Hall Lighting Wiring System

Cover
Cover Letter
Table of Contents

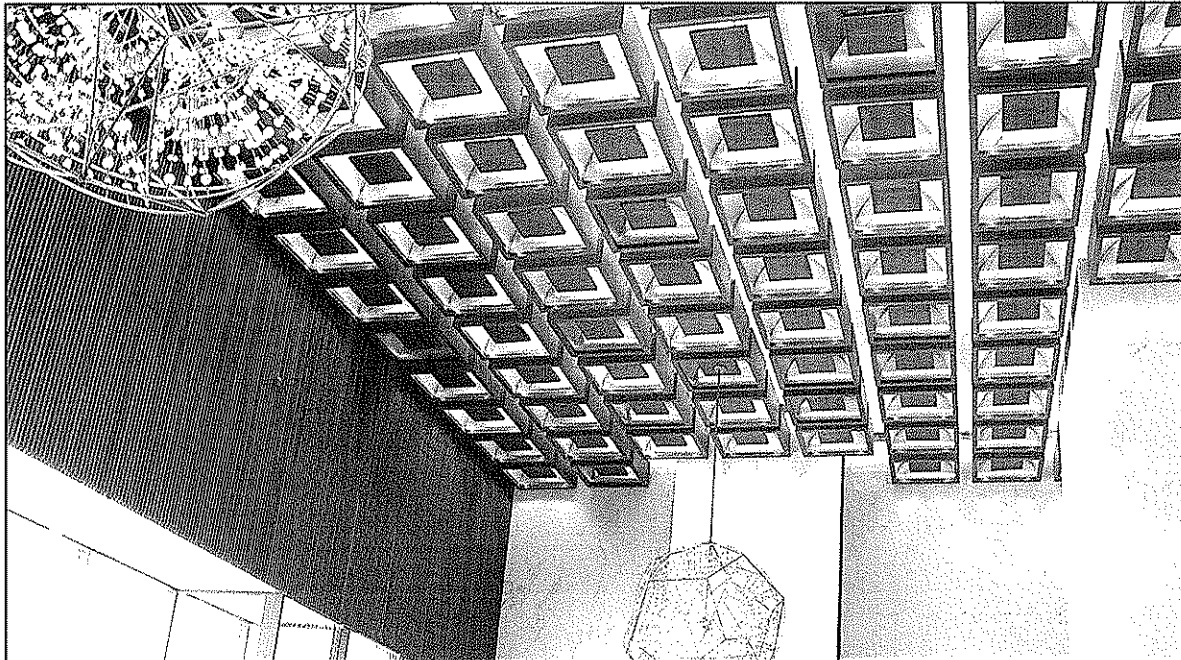
Project Approach and Understanding _____ Section 1

Firm History, and Services _____ Section 2

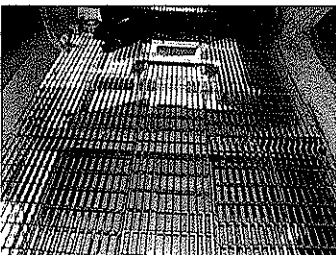
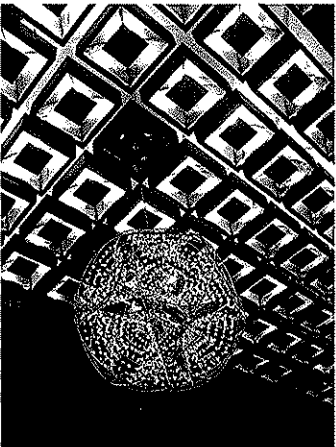
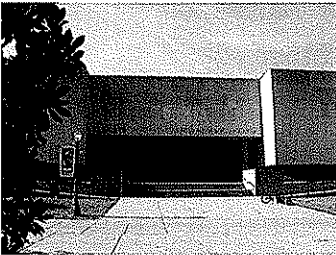
Resumes _____ Section 3

Experience _____ Section 4

References _____ Section 5



PROJECT APPROACH & UNDERSTANDING



Section I – Understanding of the Project

Cultural Center - Great Hall Lighting Wiring System

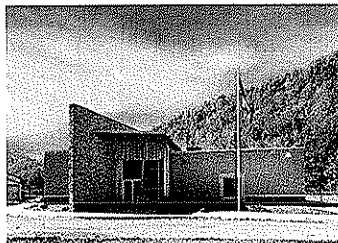
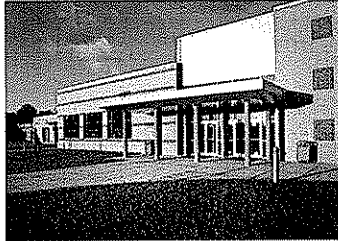
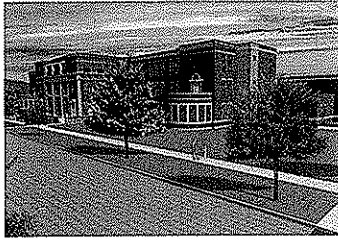
Project Conditions

1. The existing wiring and conduit system is approximately thirty-five years old.
2. Existing conduit and outlet boxes are mounted on the underside of the existing grating above the ceiling.
3. The conduit and fittings were used as the ground return path rather than installing a separate ground wire.
4. The dimming circuits share a common neutral which can allow for higher neutral current flow within the wiring.
5. The fixtures are connected with armored metallic cable and plugs which terminate at receptacles below the grating. Years of servicing the fixtures have taken their toll on the fixture connections and cables.
6. The owner's maintenance personnel complain of being shocked when servicing the light fixtures and replacing lamps.

Project Approach

1. Perform a complete survey and drawings of the existing conduit, wiring and dimming systems.
2. Confirm circuiting requirements and discuss proposed correction methods with the dimming equipment manufacturer.
3. Prepare bidding documentation to include the following:
 - A. Drawings to indicate 141 dimmer circuits, conduit and wiring to be removed back to the existing dimmer cabinet.
 - B. Drawings to indicate new conduit and wiring requirements run above the existing grating with new twist-lock receptacles for the lighting connections.
 - C. Drawings and details to indicate rewiring and cleaning methods to be used for 192 light fixtures.
 - D. Specifications for all electrical work to be performed in accordance with the National Electrical Code and all applicable codes.

PROJECT APPROACH & UNDERSTANDING



Current Workload

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 currently under construction. 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 Division of Culture and History.



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

PROJECT APPROACH & UNDERSTANDING



Section I – Understanding of the Project Cultural Center Great Hall Lighting

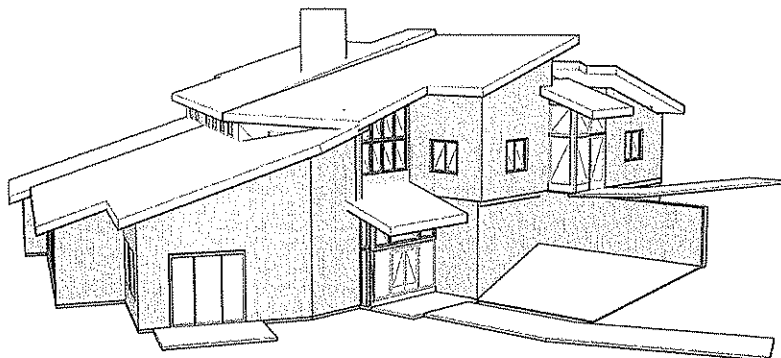
Major Projects in the Design Phase (through July 2010):

West Virginia Housing Development Fund Office
Highland Hospital Expansion
Wood County Justice Center (Renovation)
Morgantown Readiness Center



Major Projects Under Construction (through July 2010):

Family Readiness Center (Charleston, WV)
Joint Interagency Training and Education Center (Camp Dawson, WV)
West Side Elementary School (Charleston, WV)
Jackson County AFRC (Millwood, WV)



HISTORY AND PHILOSOPHY of ZMM



LOCATION:
222 Lee Street, West
Charleston, WV

CONTACT:
Phone 304.342.0159
Fax 304.345.8144
www.zmm.com

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



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

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 co-



ordinated, accurate, and concise documents. ZMM's commitment to clients is to provide the highest quality professional services available. In order to maintain this high level of quality, we strictly conform to a Quality Assurance Program, a unique feature of ZMM.

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

HISTORY AND PHILOSOPHY of ZMM



COMMUNITY SUPPORT

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

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



West Virginia Symphony Orchestra

PROFESSIONAL SERVICES



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

Additionally, ZMM is constantly working to improve the services we offer by addressing emerging and evolving trends that impact the design and construction market. ZMM has five LEED accredited Professionals on staff to address the needs of our clients who are interested in designing buildings that meet the US Green Building Council's standards. This continues ZMM's active implementation of sustainable design principles on our projects.

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

PRE-DESIGN

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

Executive Summary		Index (Pages)
National Guard Bureau Area (NSF)		
Operations	38,000	
Sub-Total (NSF)	38,000	
Total (NSF)	38,000	
Department of Energy Area (NSF)		
Planning	4,181	
Operations	18,911	
Information Repository	18,156	
Analysis	300	
General Support	1,500	
Sub-Total (NSF)	43,048	
Total (NSF)	81,048	
AFRC Area (NSF)		
Construction	12,100	
Administration	22	
Cost Storage	22	
Public Affairs	22	
Special Functions	22	
Sub-Total (NSF)	12,150	
Total (NSF)	93,198	
Joint Interservice Training Center - East Area (NSF)		
Administration	11,770	
Education	21,600	
Training	33,370	
Sub-Total (NSF)	66,740	
Total (NSF)	159,938	
Billeting Area (NSF)		
Billeting	18,500	
Sub-Total (NSF)	18,500	
Total (NSF)	178,438	
Total Building Area Area (OSF)		
National Guard Bureau	38,000	
Department of Energy	81,048	
Armed Forces Research Center	18,800	
Joint Interservice Training Center	45,970	
Billeting	73,868	
Total (OSF)	257,686	

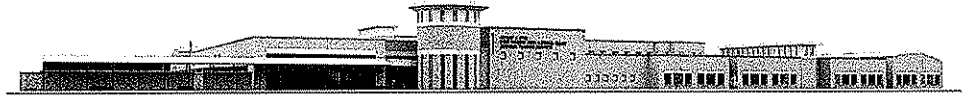
PROFESSIONAL SERVICES



DESIGN

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

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



POST DESIGN

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



QUALITY ASSURANCE



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

1. Selecting the Project Team

ZMM's diverse staff ensures that each project team is made up of highly qualified members, each dedicated to the project's success.

2. Identifying Project Requirements

Project team members are fully integrated in each phase of the design process, ensuring a quality project from the beginning, and so are better able to take advantage of early sustainable design decision-making.

3. Identifying Client Expectations

Knowing and understanding our clients' expectations is our goal. This knowledge gives ZMM a baseline for exceeding expectations.

4. Ongoing Project Reviews

As part of the ongoing project reviews, we conduct quality assurance evaluations during each stage of the project:

- Schematic Design Phase
- Design Development Phase
- Construction Documents Phase
- Construction Administration Phase

5. Post Project Review

At the completion of every project, ZMM staff members participate in a learning session to gain insight useful for future projects.

6. Staff Training, Assessment and Enhancement

Ongoing staff development and training is very important to ZMM. Providing increased opportunities for learning and advancement leads to happier employees and even more successful projects.

ADAM R. KRASON

AIA, LEED - AP, NCARB, PRINCIPAL



Position

Project Manager, Principal, 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

2008 - Present, Vice President, ZMM, Inc.

2003 - 2008, 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

Joint Interagency Training and Educational Center (JITEC)

State of West Virginia Division of Juvenile Services

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

West Virginia Army National Guard - CFMO Expansion Project

West Virginia Army National Guard - Logan Readiness Center

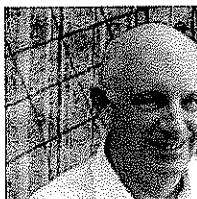
West Virginia Army National Guard - Morgantown Readiness Center

West Virginia Army National Guard - Ripley AFRC

Judge Donald F. Black Courthouse Annex

MICHAEL D. ABERNETHY

LC, IESNA



Position

Electrical and Lighting Designer, ZMM, Inc.

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, Inc., Electrical Designer/Technician

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

1973-1988, ZMM, Inc., 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

Erma Byrd Higher Education Center

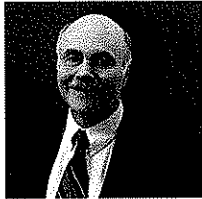
Lincoln County High School

St. Albans High School

Southside Elementary/Huntington Middle School

Martha Elementary School

Greenbrier East High School



Position

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

Highland Hospital
Saint Albans High School
Lincoln County High school
State of West Virginia Regional Jails
State of West Virginia Juvenile Detention Centers
WV Army National Guard - Glen Jean Armed Forces Center
WV Army National Guard - Logan Readiness Center
WV Army National Guard - CFMO Expansion Project

ROBERT C. DOEFFINGER

P.E., PRINCIPAL



Position

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

Education

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

Employment History

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

Professional Credentials

National Council of Examiners for Engineering and Surveying (NCEES)
Registered Engineer (WV, TN, FL, PA, VA, NC, SC, ME, OH, NH, NY, KY)

Member; ASHRAE - Chairman, Technical Committee 4.1 - HVAC Load Calculations

Civic Affiliations

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

Professional Experience

Mr. Doeffinger is Principal-in-Charge of Engineering. It is his responsibility to ensure that the mechanical and electrical engineering components of ZMM's design are coordinated and integrated into the final product.

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

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



Position

Electrical Engineer

Education

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

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

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

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

Southside Elementary and Huntington Middle School

Milton Middle School

Wayne Elementary School

Martha Elementary School

Jaeger Elementary School

Lincoln County High School

DAVID E. FERGUSON

AIA, Principal



Position

Principal, Project Manager

Education

B.S., Industrial Technology/Architectural Design; *West Virginia State University, Institute, West Virginia; 1979*

Employment History

2002-Present, Principal, ZMM, Inc.

2001-Present, Board of Directors, ZMM, Inc.

2001-Present, Project Architect, Project Manager, ZMM, Inc.

1996-2001, Project Architect, ZMM, Inc.

1984-1996, Designer, ZMM, Inc.

1983-1984, Designer, Cilco, Inc.

1980-1983, Designer, Union Carbide Corp.

1979-1980, Drafting/Design, Parkline, Inc.

Professional Credentials

Registered Architect (WV, OH)

Professional Member, American Institute of Architects

Professional Member, West Virginia Chapter of the AIA

Director, West Virginia Chapter of the AIA

Professional Member, US Green Building Council

Member, Council of Educational Facility Planners International

Recognized Educational Facility Professional (REFP) by CEFPI

Community/Professional Service

High School Student Mentor/Job Shadowing Program

West Virginia AIA IDP Program Mentor/Advisor

West Virginia State Department of Education - Policy 6200

Revision Committee

West Virginia School Building Authority Performance and Design Standards Committee

Professional Experience

Mr. Ferguson's responsibilities at ZMM include all aspects of project management and scheduling, project programming, educational facility planning, project budgeting, code compliance reviews, architectural design and presentation, quality control. He is also responsible for client and public meetings from small to multi-million dollar projects. As a Principal of the firm he has corporate administrative duties and serves on the Board of Directors for ZMM.

Throughout his tenure at ZMM, Mr. Ferguson's emphasis has been on Educational Design and has had extensive design experience with Industrial, Healthcare, Retail, Public, Governmental, and Recreational Facilities. He is a *Recognized Educational Facility Professional International* and has been involved in the planning and construction on over 80 educational facilities.



Position

Project Architect

Education

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

Employment History

2003-Present, Project Architect, ZMM, Inc.

2001-2003, Director of Architecture, West Virginia Area Architectural Firm

1997-2001, Project Architect/Associate, Florida Area Architectural Firm

1992-1997, Intern/Project Architect, ZMM, Inc.

Professional Credentials

Registered Architect (West Virginia)

Professional Member, American Institute of Architects

Professional Experience

Mr. Estep began his career in Architecture with ZMM, Inc. in 1992. In 1997, he moved to St. Petersburg, FL and worked as a Project Architect at a large Architectural Design Firm where he gained additional experience in Commercial Design. He returned to ZMM, Inc. in 2003.

Mr. Estep is responsible for the overall work process relating to design, documentation and bidding. In addition to his project management responsibilities, Mr. Estep also manages ZMM's Design Review Program.

He is also responsible for generating construction details as necessary to ensure compliance with design intent, performing building code/ordinance analysis, coordinating structural, mechanical and electrical systems, and establishing project goals consistent with the contract and project schedules. He presides at project kick-off meetings with design teams to communicate construction budgets, goal, and schedules and conducts regular team meetings to update information, changes, budgets, and facilitates communications among team members.

Project Experience

Erma Byrd Center

Kanawha County Public Library

Highland Hospital

Jaeger - Big Creek High School

Milton Middle School

Bradshaw Elementary

Big Otter Elementary School

West Virginia Housing Development Fund

ALANA PULAY

IIDA, LEED - AP



Position

Interior Designer, ZMM, Inc.

Education

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

Employment History

2003 - Present, Interior Designer, ZMM, Inc.

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

Professional Credentials

LEED-Accredited Professional (Commercial Interiors), 2008

Registered Interior Designer (WV)

NCIDQ Certificate, 2005

Professional Member IIDA

Professional Experience

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

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

Project Experience

Robert L. Shell - Juvenile Center

Erma Byrd Higher Education Center

Lincoln County High School

Wayne Elementary School

Martha Elementary School

Valley Dale Elementary School

Salem/Gore Middle School

Kellogg

War K-8

Jaeger - Big Creek High School

West Virginia Army National Guard - CFMO Expansion

West Virginia Army National Guard - Glen Jean Armed Forces

Western Regional Jail

WEST VIRGINIA CAPITOL COMPLEX

BUILDINGS 5, 6, & 7

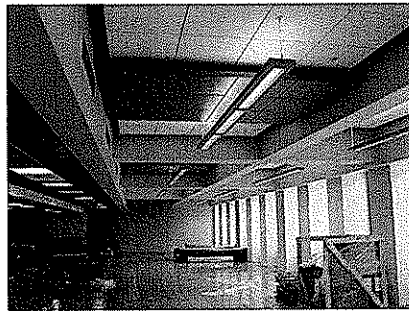
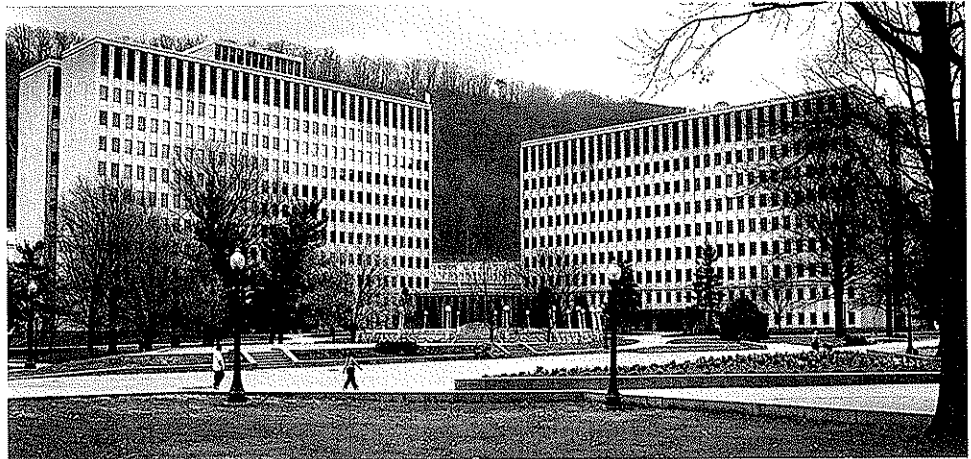


LOCATION:
Charleston, West Virginia

SIZE:
500,000 SF

COMPLETION:
TBA

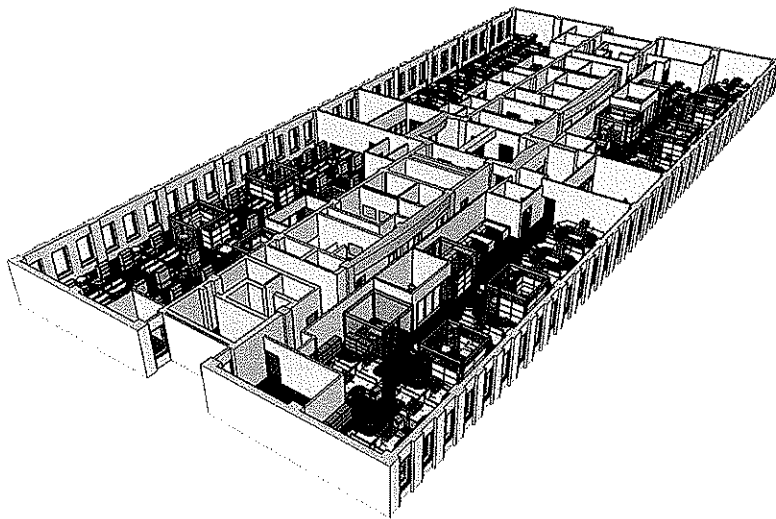
CONTACT:
Mr. David Oliverio
Director
General Services
Division
1900 Kanawha Blvd. E
Charleston, WV 25305
304.558.3517



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.



STATE OF WEST VIRGINIA CAPITOL CAFETERIA RENOVATION



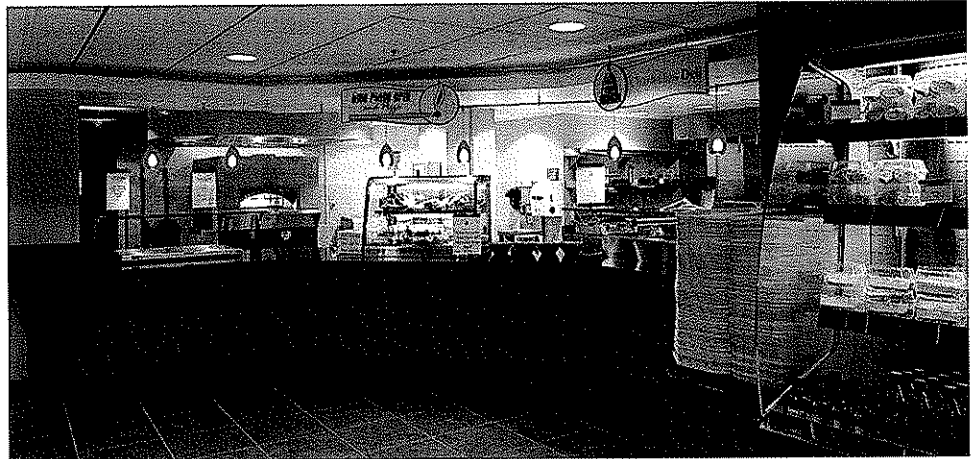
LOCATION:
Charleston, West Virginia

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.

CONSTRUCTION & FACILITIES MANAGEMENT OFFICE

WVARNG

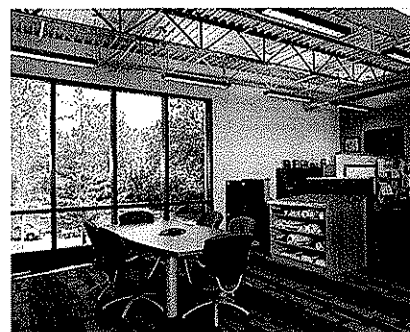
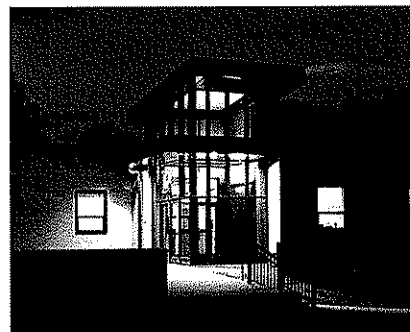


LOCATION:
Charleston, West Virginia

SIZE:
19,935 SF

COMPLETION:
2008

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



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.

ERMA BYRD CENTER

Public Higher Education Center



LOCATION:
Beaver, West Virginia

SIZE:
33,000 SF

COMPLETION:
August 2007

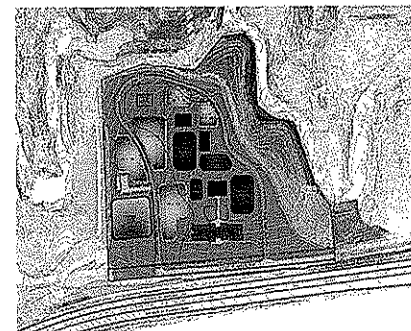
COST:
\$7.5 Million

CONTACT:
Thomas S. Acker S.J.
Executive Director
200 Main Street
Beaver, WV 25801
304.929.2010

AWARDS:

2008 AIA Honor Award
West Virginia Chapter
Excellence in Architecture

American School & University
Outstanding Building Design



The Erma Byrd Center for Public Higher Education is the first building of its kind in the state. The 33,000 square foot center provides students the convenience of taking a variety of college classes offered by six different college and universities in a single location.

The new facility consists of standard classrooms, distance learning classrooms, a science lab, computer classrooms, a lecture hall, a multi-media library along with administrative office space for each college and university. Through technology, the building itself becomes an educational tool. Students are able to monitor the HVAC system and it's controls through web-based software thereby learning how the system works and how the climate and building design affect performance.

A wind turbine and solar panels on site assist in reducing the overall utility costs and allow students to see first-hand the benefits of alternative energy sources.

This Higher Education facility sets a new standard for the learning environment and energy efficiency. The building is designed to maximize use of natural light and has sensors throughout that control the artificial light level by measuring the amount of light present in the space.

The high-tech facility is the first building on what will become a campus for public higher education. It's placement at the front of the site allows the building to serve as a beacon of what is to come.

LINCOLN COUNTY HIGH SCHOOL

Lincoln County Schools



LOCATION:
Hamlin, West Virginia

SIZE:
216,500 SF

COMPLETION:
August 2006

COST:
\$32 Million

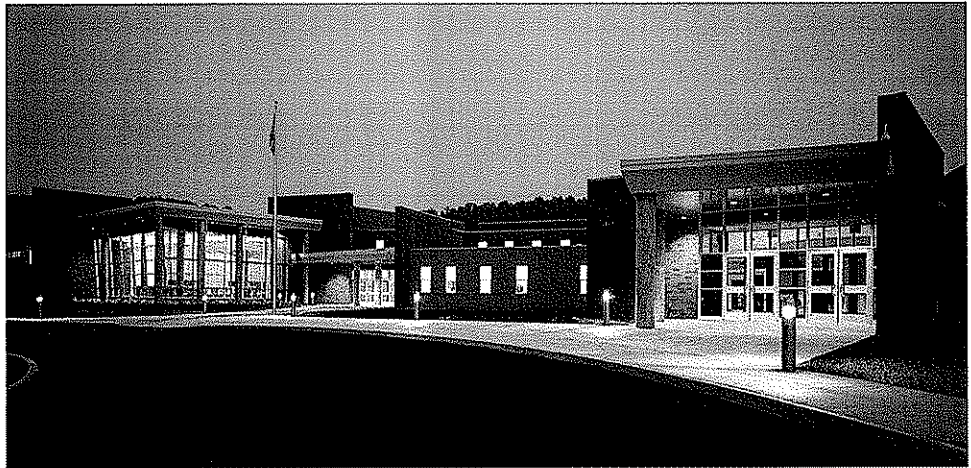
CONTACT:
Mr. David Roach
Superintendent
10 Marland Avenue
Hamlin, WV 25523
304.824.3033

AWARDS:

2007 AIA Honor Award
West Virginia Chapter
Excellence in Architecture

Education Design Showcase
Project of Distinction award

American School & University
Outstanding Building Design



This consolidated senior high school for 850 students in grades 9 through 12, includes two gymnasiums with seating for 840 in the main gym, full food service facilities, a 300 seat auditorium, a library featuring state of the art technology, and all required curricular classroom spaces.

Vocational space is included in the facility making it one of the new breed of comprehensive high schools. The building is air conditioned with a four pipe, hot water/chilled water, air handling system meeting all indoor air quality requirements. It also includes LAN cabling system, integrated classroom intercom telephone and program system, closed circuit television, cable television system, fire alarm and perimeter security system.

This facility is one of the first educational buildings in the state to include sustainable building design features such as classroom daylighting with automatic lighting control, high efficiency HVAC equipment, and reduced storm water runoff.

ST. ALBANS HIGH SCHOOL

Kanawha County Schools



LOCATION:
St. Albans, West Virginia

SIZE:
216,500 SF

COMPLETION:
2003

COST:
\$24 Million

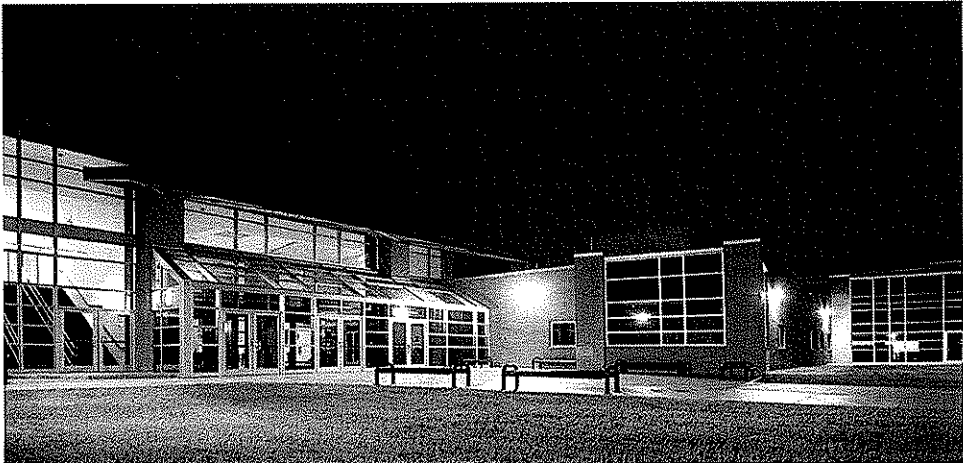
CONTACT:
Dr. Ron Duerring
Superintendent
200 Elizabeth Street
Charleston, WV 25523
304.348.7732

AWARDS:

Impact on Learning Award
Effective Transformation

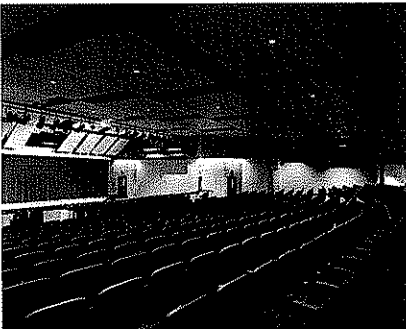
Education Design Showcase
Outstanding Building Design

American School & University
Outstanding Building Design



The renovation and additions to St. Albans High School included the razing of about 40% of the existing structure and the construction of 124,000 SF of new construction. The completed facility will house 1050 students, grades 9 thru 12.

The new facility includes a distance learning center with duplex teleconferencing, and a state of the art media center with technology distribution throughout the entire facility.



It also includes complete food service facilities and a commons/dining area, which serves as the focal point for access to the gymnasiums and auditorium.



AWARD WINNING DESIGN



2009

Construction & Facilities Management Office

Charleston, West Virginia
AIA Merit AWARD West Virginia Chapter
Achievement in Architecture



2008

Erma Byrd Center

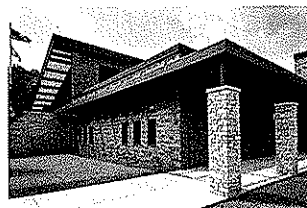
Beckley, West Virginia
AIA HONOR AWARD West Virginia Chapter
Excellence in Architecture
AMERICAN SCHOOL & UNIVERSITY
Outstanding Building Design



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

The Higher Education Foundation

200 MAIN STREET, BECKLEY, WEST VIRGINIA 25801-4613

TELEPHONE 304 929-2010 FACSIMILE 304 929-2009 forwardsww@earthlink.net

January 22, 2008

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

Dear Rod,

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

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

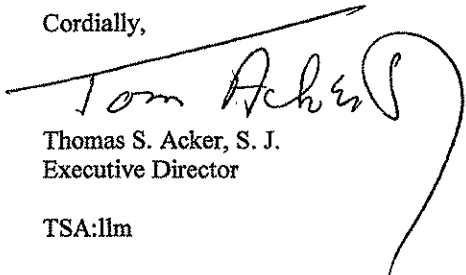
Our contract with you began in December, 2005. We had to complete architectural plans, bid the building, secure a contractor, and begin construction by July, 2006, in order to meet an opening date of August, 2007. ZMM was the perfect partner with us as we forged a new building on a yet raw campus and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

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

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

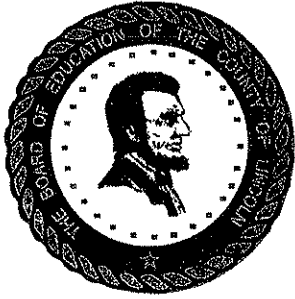
I simply wanted to send you this note of thanks for accepting a very daunting task, completing it with excellence, maintaining the very restricted budget, and making this whole project successful. We are now looking forward to a second building, and while we probably need by state law to seek architectural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

Cordially,



Thomas S. Acker, S. J.
Executive Director

TSA:llm



Lincoln County Schools

David L. Roach
SUPERINTENDENT

Jeff Huffman
ASSISTANT SUPERINTENDENT

January 22, 2008

To Whom It May Concern:

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

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

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

Sincerely,

A handwritten signature in cursive script that reads "David L. Roach". The signature is written in black ink and is positioned below the word "Sincerely,".

David L. Roach
Superintendent of Schools



**WEST VIRGINIA ARMY NATIONAL GUARD
CONSTRUCTION & FACILITIES MANAGEMENT OFFICE**



1707 Coonskin Drive
Charleston, West Virginia 25311-1085
Phone: 304-561-6339 Fax: 304-561-6458 DSN: 623-6339

15 April 2009

WV Higher Education Policy Commission
Chief Procurement Officer
Richard Donovan
1018 Kanawha Blvd. East
Suite 700
Charleston, WV 25301

Dear Mr. Donovan,

The AECOM/ZMM Team has been assisting the West Virginia Army National Guard with the design of a 285,000 SF addition to the Robert C. Byrd Regional Training Institute (RTI) at Camp Dawson, near Kingwood, West Virginia. The new JITEC (Joint Interagency Training and Education Center) will include highly flexible educational facilities that will serve a dual use in the case of a state wide or national emergency. These facilities will include sophisticated data systems, video walls, and also incorporate a high level of electronic security.

The AECOM/ZMM Team has exceeded our expectations, delivering a high level of local expertise, complimented by the knowledge base of a large design firm. The Team's commitment to design quality has been demonstrated through the development of a site strategy that evokes a campus, while maintaining all of the programmed spaces in one facility. The JITEC design balances the need to re-orient the campus while also complimenting the existing RTI. The technical ability of the AECOM/ZMM Team has also been demonstrated through the design of redundant power and HVAC systems, as well as through the examination of various building components to meet the requirements of LEED Silver.

The AECOM/ZMM Team has been very responsive and has done an excellent job of communicating the West Virginia Army National Guard's vision for this project. Additionally, the design team has provided these services within a compressed timeframe to meet our requirements. Please contact me if I can provide any additional information about our experience with the AECOM/ZMM Team.

MELVIN L. BURCH
Brigadier General
West Virginia Army National Guard
Assistant Adjutant General

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

VENDOR OWING A DEBT TO THE STATE:

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

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code*. The vendor **must** make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code* and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the *West Virginia Code* may take place before their work on the public improvement is begun.

ANTITRUST:

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

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

LICENSING:

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

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.

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

Vendor's Name: ZMM, Inc.
Authorized Signature: Ad R. K. AIA Date: 05-JAN-2010