



ARCHITECTS & ENGINEERS

March 29, 2010

Mr. Frank Whittaker, Buyer
Purchasing Division
2019 Washington Street, East
Charleston, West Virginia 25305

**Re: Stonewall Jackson Resort State Park – New Pathway
RFQ# DNR210166**

Dear Mr. Whittaker:

ZMM is pleased to submit the attached information to demonstrate both our experience and capability to provide professional architectural and engineering services for the new pathway at Stonewall Jackson Resort State Park. **ZMM** has previous experience working with Stonewall Jackson Resort State Park on multiple design projects, such as the visitor center and the multi-purpose building.

In addition to our previous experience at Stonewall, **ZMM** has participated on the design of a wide range of facilities for the Division of Natural Resources. Facilities include Cacapon State Park and Blackwater Falls State Park.

Since 1959, **ZMM** has been consistently recognized as one of the largest, fully integrated, architecture and engineering firms in the State of West Virginia. We are an organization of creative professionals, with the common interest of working with our clients to design and engineer innovative and cost effective projects.

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**. Please visit our website at www.zmm.com to see a full range of projects our team has designed. We look forward to meeting with you to discuss your project.

Respectfully submitted,
ZMM, Inc.

A handwritten signature in black ink, appearing to read 'Aa Rk', followed by a horizontal line.

Adam R. Krason, AIA, NCARB, LEED AP
Vice President

RECEIVED

2010 MAR 29 PM 1:38

WV PURCHASING
DIVISION

Stonewall Jackson Resort State Park

RFQ# DNR210166

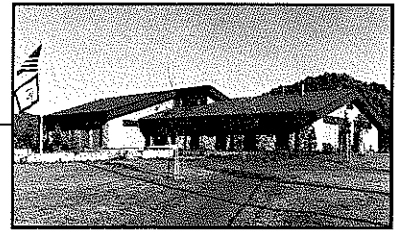


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 - Gregory E. Adolfson, Sustainability Officer, WV Department of Environmental Protection

 - Thomas Acker, S.J., Executive Director, The Higher Education Foundation, WV

 - David L. Roach, Superintendent, Lincoln County Schools, WV

STONEWALL JACKSON LAKE

US Army Corps of Engineers

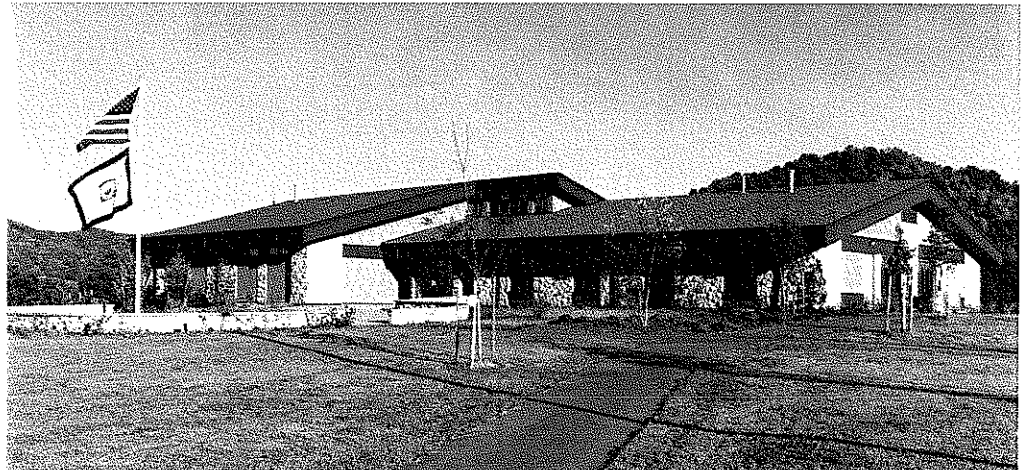


LOCATION:
Lewis, West Virginia

COMPLETION:
1986

COST:
\$29,200

CONTACT:
Mr. McDonald Smith
940 Resort Drive
Roanoke, WV 26447
304.637.0300



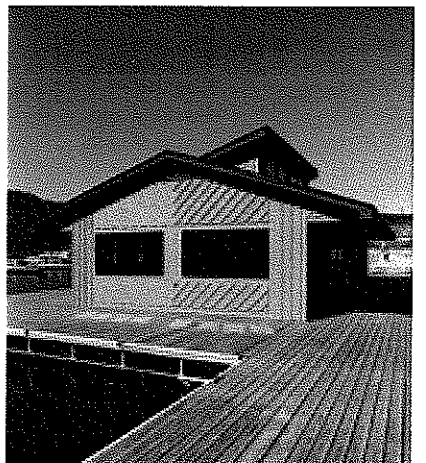
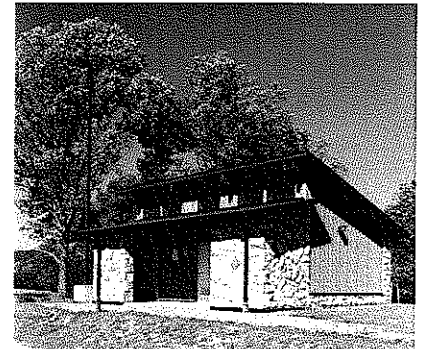
Site development of approximately 200 acres of land adjacent to Stonewall Jackson Lake in Lewis County, West Virginia. ZMM, Inc. provided all of the site development design including the roadway system, parking, electrical power distribution to all facilities, sewage treatment plant and sewage lines serving all facilities, and a water treatment plant and water distribution system to the various buildings on the site.

An 8,000 SF Visitors Center which includes an auditorium, display museum area and administrative space.

An 11,000 SF Multi-Purpose Building which includes seminar and meeting rooms, and space for various indoor gatherings, recreational and sporting activities.

A bath house that serves the campground area, rest rooms that serve the general park population, camp sites and a picnic shelter.

All structures at the park are single story buildings, constructed of stone and wood exterior facing materials. Laminated wood timber framing is featured for the structural systems, and zoned heating and cooling systems provide for environmental control.



BLACKWATER FALLS STATE PARK

WV Department of Natural Resources



LOCATION:
Davis, West Virginia

COMPLETION:
1998

COST:
\$9,400

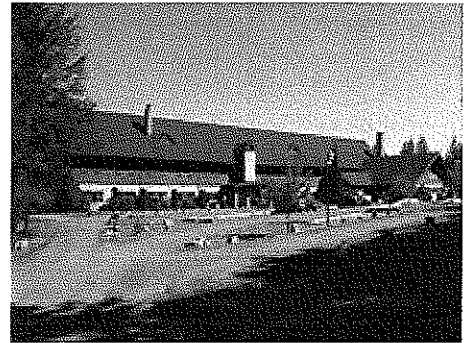
CONTACT:
Robert Gilligan
Park Superintendent
P.O. Drawer 490
Davis, WV 26260
304.259.5216



Blackwater Falls State Park is located in Davis, WV. The park is named for the falls of the Blackwater River whose amber-colored waters plunge five stories that twist through an eight-mile long gorge.

The conference facilities host reunions, meetings and special occasions as well as catered banquets and receptions. There is also an indoor guest pool and fitness center located at the facility.

- 200 Seat Conference Center
- Recreation Facilities
- Deluxe Vacation Cabins



CACAPON RESORT STATE PARK

WV Department of Natural Resources



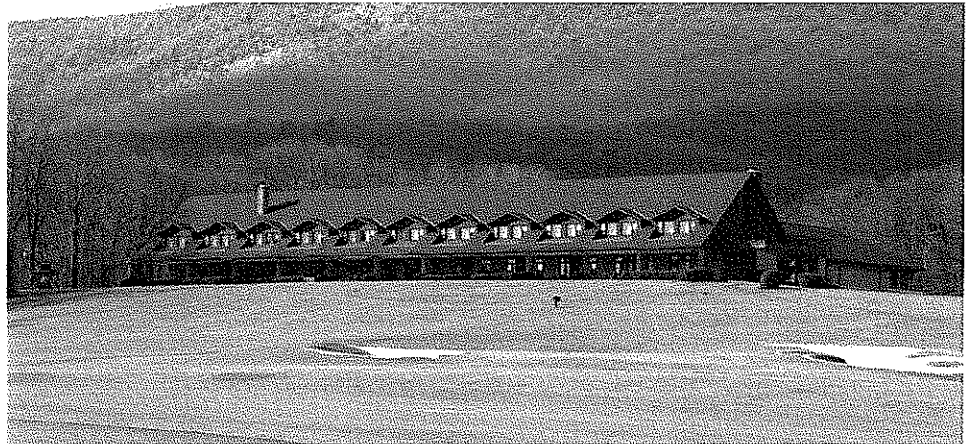
LOCATION:
Berkeley Springs, West
Virginia

SIZE:
7,600 SF

COMPLETION:
1998

COST:
\$10,000

CONTACT:
Tom Ambrose
Assistant Superintendent
818 Cacapon Lodge Drive
Berkeley Springs, WV
25411
304.258.1022



In 1998 ZMM completed an addition and renovation project to Cacapon State Park Lodge Building. This project included a new 7,600 SF conference center, along with a new interior elevator. Renovations were also completed on the kitchen area, reception, and office areas. The multi-purpose and meeting areas also had renovations completed to them.

Bid documents were prepared for a 2,500 SF health spa addition to the lodge building, but this portion of the project was not constructed. Other ZMM projects completed at Cacapon State Park include renovations to the Old Inn building and an ADA accessible cabin.



ADDITIONAL WEST VIRGINIA STATE PARK EXPERIENCE

WV Department of Natural Resources



Lodge / Convention Center

Beech Fork State Park

Canaan Valley State Park

State Park Lodge

New Park Cabins

Golf Club House

Miscellaneous Services:

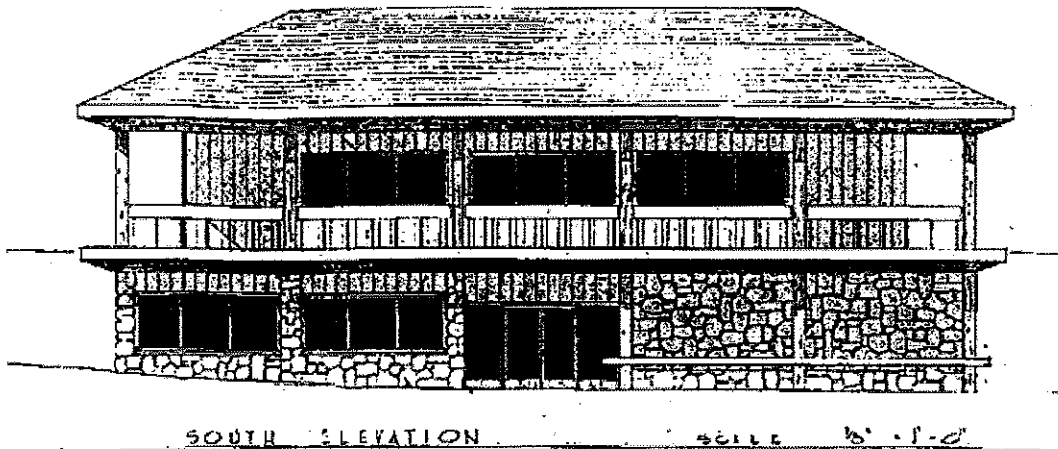
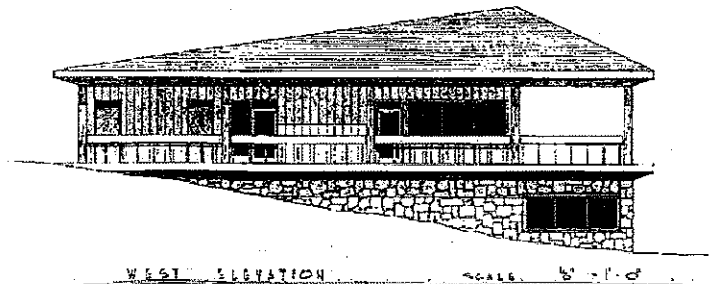
Pipestem State Park

Hawks Nest State Park

Twin Falls State Park

Lodge / Convention Expansion

- 25,000 SF Increasing Room Capacity from 20 to 50 Rooms
- The Expansion Increases the Dining, Kitchen, and Meeting Space for up to 200 People
- Completed in 1980
Lodge Budget \$8,000
Room Budget \$14,000



RECREATIONAL EXPERIENCE



John XXII Pastoral Center

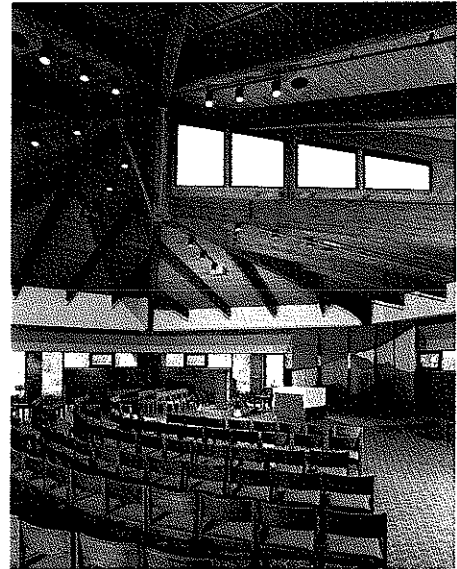
Wheeling/Charleston Catholic Diocese
53,000 SF
Dormitory Space for 60 Guests
Food Service Facility
Dining Room Seating for 300

Charleston Family YMCA

- Indoor Tennis Courts
- Racquetball Courts
- Indoor Swimming Pool
- Exercise Rooms

Robert C. Byrd - Regional Training Center

- Indoor Swimming Pool
- Fitness Center
- Full Service Dining Hall
- Lodging



ERMA BYRD CENTER

Public Higher Education Center



LOCATION:
Beaver, West Virginia

SIZE:
33,000 SF

COMPLETION:
August 2007

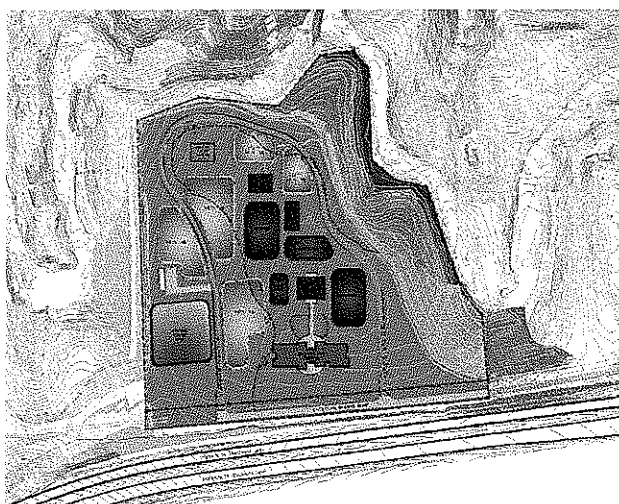
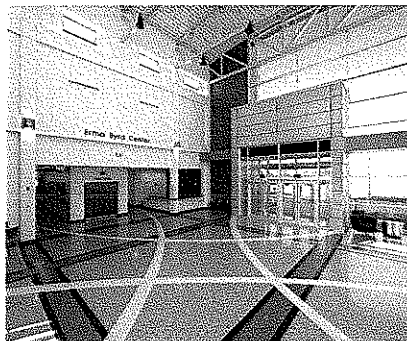
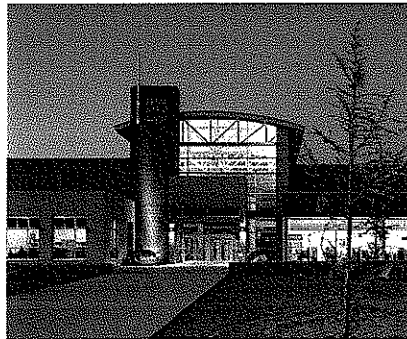
COST:
\$7.5 Million

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

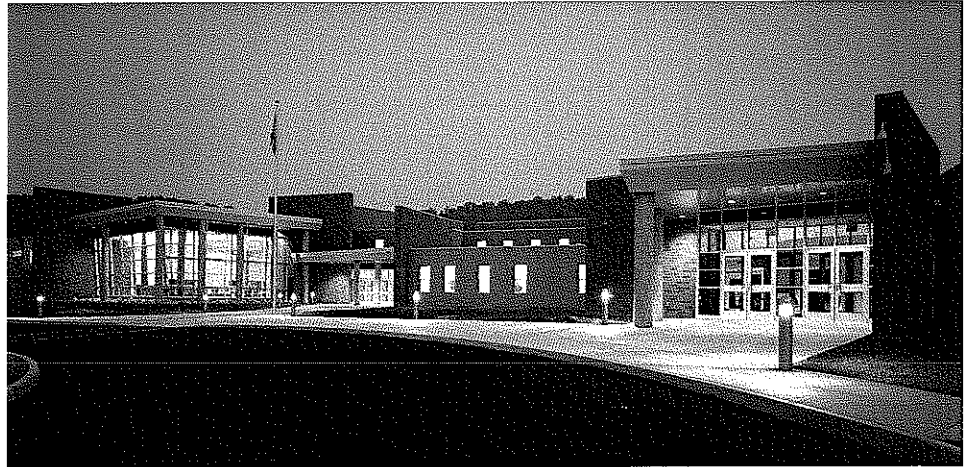
CONTACT:
Mr. David Roach
Superintendent
10 Marland Avenue
Hamlin, WV 25523
304.824.3033

AWARDS:

2007 AIA Honor Award
West Virginia Chapter
Excellence in Architecture

Education Design Showcase
Project of Distinction award

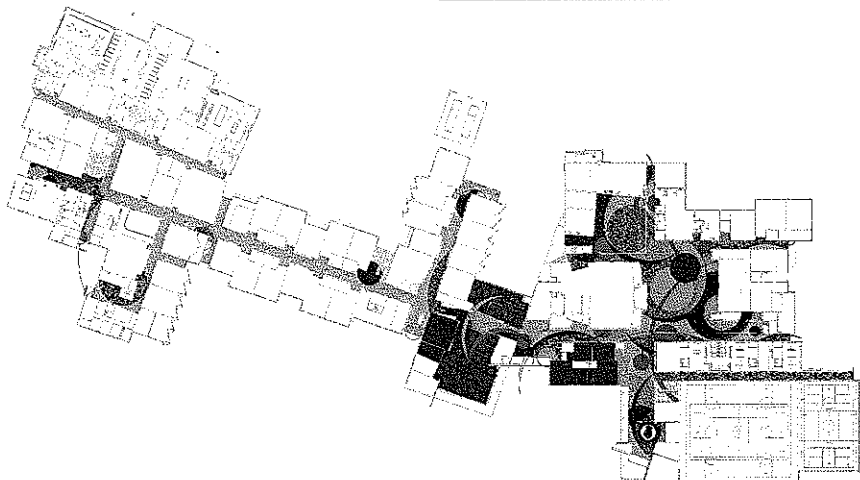
American School & University
Outstanding Building Design



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.

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 will house 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 existing building that remained was completely renovated and remains the focus of the community. 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 21st century learning.



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

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.

HACKER VALLEY PRE K-8 SCHOOL

Webster County Schools



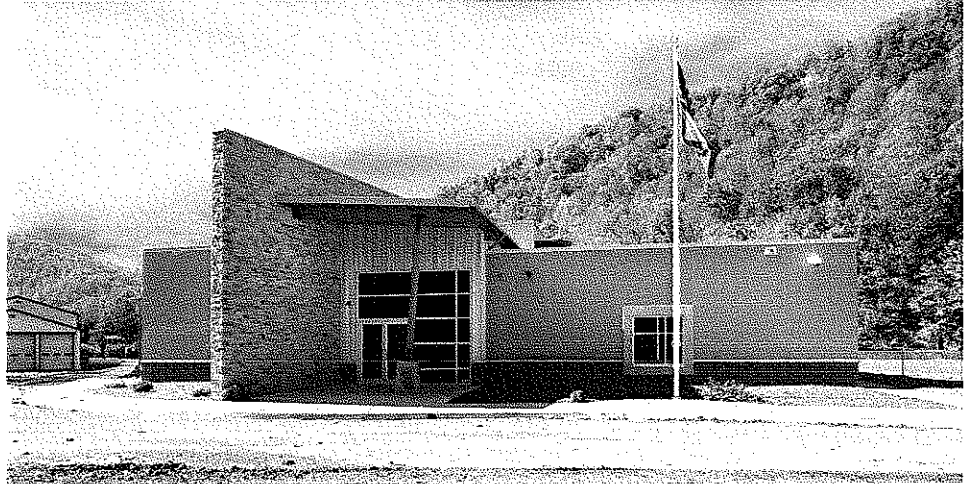
LOCATION:
Hacker Valley,
West Virginia

SIZE:
30,433 SF

COMPLETION:
2008

COST:
\$8.2 Million

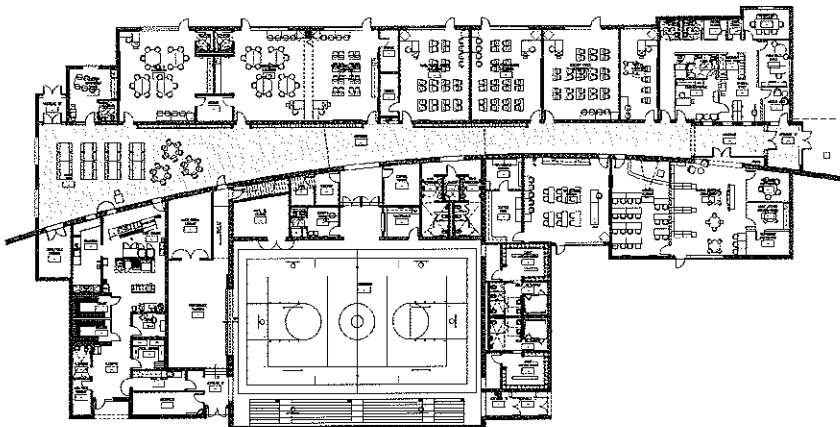
CONTACT:
Mr. A.J. Rogers, Jr.
Superintendent
315 South Main Street
Webster Springs, WV
26288
304.847.5638



The new Hacker Valley Pre-K-8 School replaces the old outdated modular facilities and metal building. It is constructed on beautiful farm land behind the existing school. The area is rich with community involvement, and home to many professional artisans.

This had an impact on the materials being selected for the building. The building is host to a large curved stone wall and heavy timber frame entrances. The remote area has a low student population which allowed some creative and unique spaces to be designed within the school.

The facility includes a dining room that doubles as a commons area and kitchen. The gymnasium area also has a stage area that serves as the music classroom. The science room serves as a dual purpose room for art classes. The Pre-K and kindergarten are separate classrooms that open directly onto the playground. The low enrollment dictates dual grades in each classroom. Each classroom also opens directly outside to outside classroom area.



State Office Building #5, 10th Floor

Office of Technology



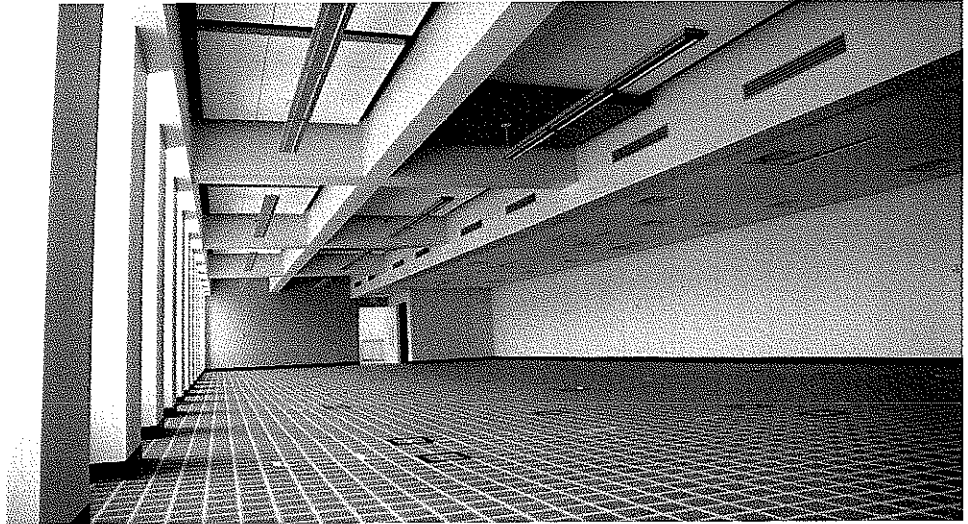
LOCATION:
Charleston, West Virginia

SIZE:
22,000SF

COST:
\$3.7M

COMPLETION:
2010

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

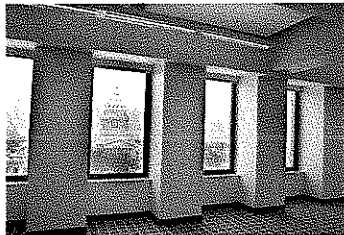
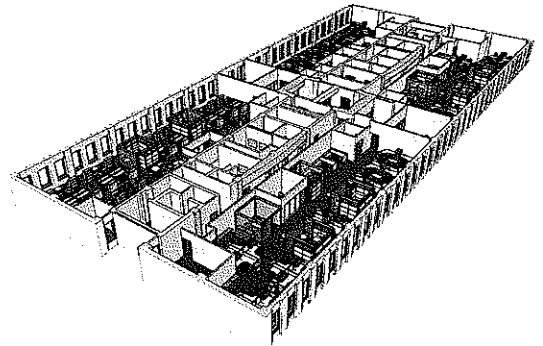


The renovation of the tenth floor of State Office Building #5 on the State of West Virginia Capitol Campus was recently completed for the Office of Technology. The renovation was designed to meet the United States Green Building Council's LEED for Commercial Interiors standard. To commence the project, ZMM conducted a detailed investigation of State Office Buildings 5, 6, & 7, which included recommendations for improvement of the facilities. The renovation of the 10th 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.

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 10th 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 work-room 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.



West Virginia Housing Development Fund



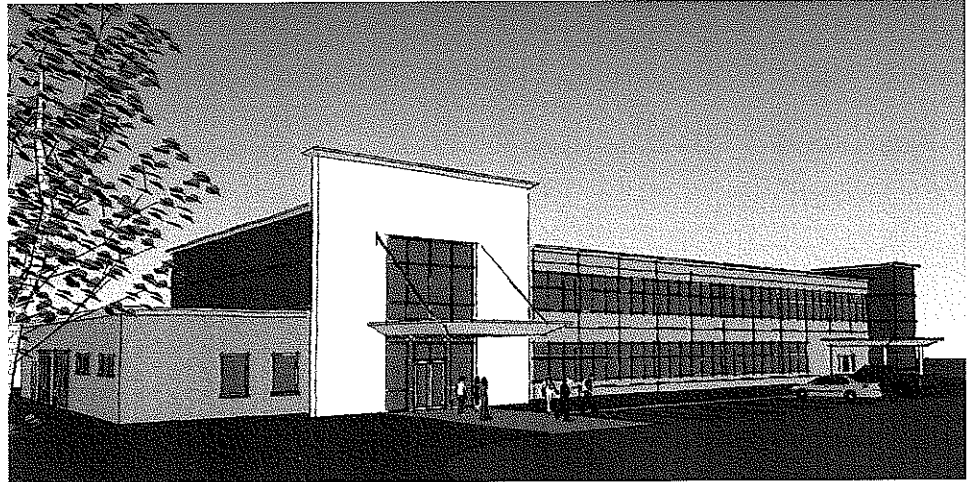
LOCATION:
Charleston, West Virginia

SIZE:
36,000 SF

COST:
\$8.5M

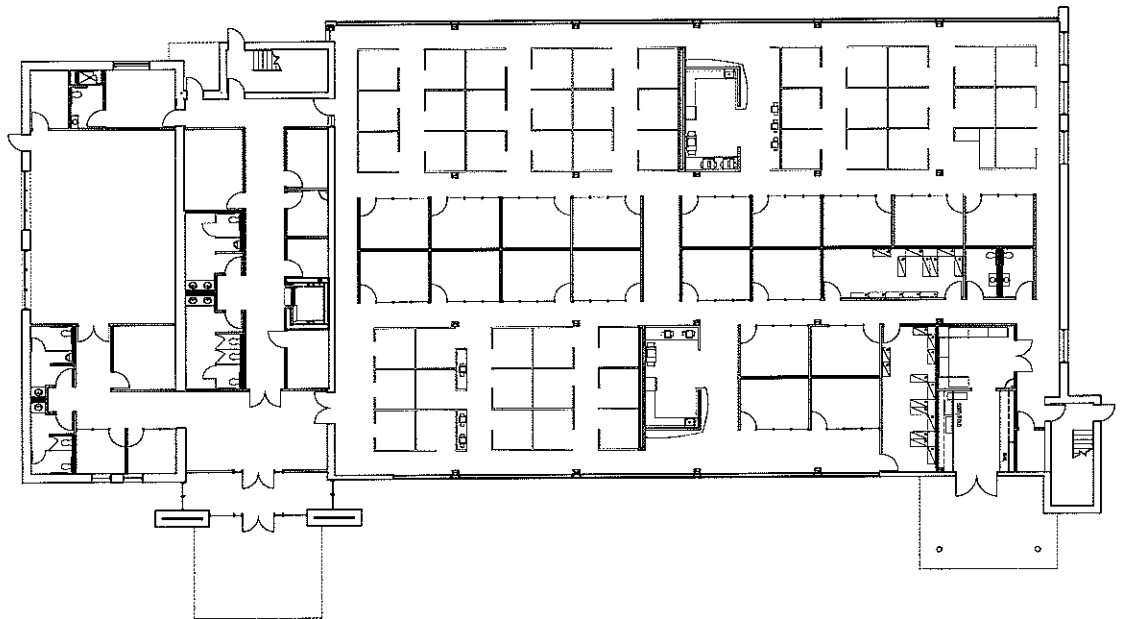
COMPLETION:
Est. June 2011

CONTACT:
Nancy Parsons
Senior Director of Asset Management
814 Virginia Street, East
Charleston, WV 25301
304.345.6475



This project is presently designed to house approx. 95 to 100 employees in 36,000 square feet of new space in Charleston's Kanawha City neighborhood. The building will be a 2 story, steel framed structure with natural day-lighting of interiors, and is anticipated to be LEED Certified.

The access floor system, demountable partitions, and employee cubicles will give the office space total flexibility and will accommodate future reallocation of space as needed without interruption to coworkers. The site consists of 2 acres and will accommodate approx. 110 employee and visitor vehicles, and is located on a former industrial site



RIPLEY ARMED FORCES RESERVE CENTER

WVARNG

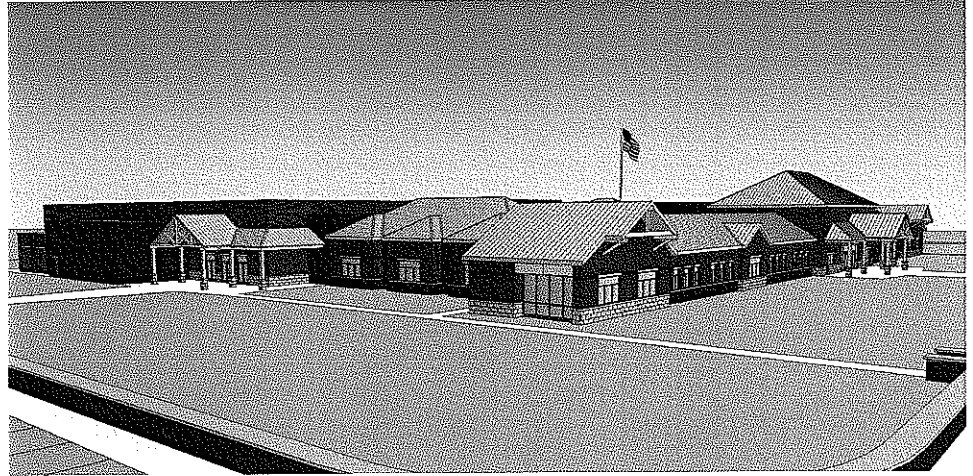


LOCATION:
Milwood, West Virginia

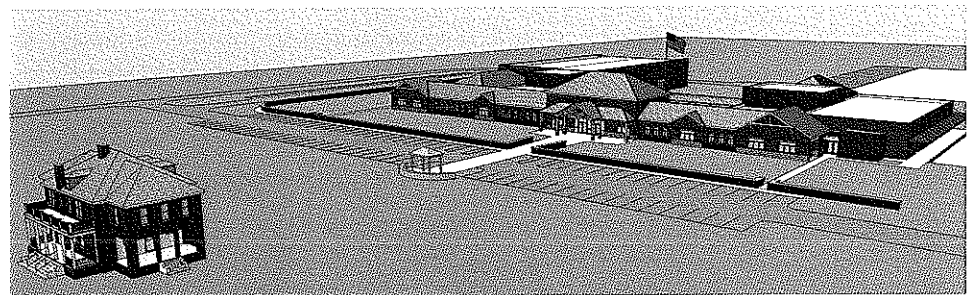
SIZE:
75,000 SF

COST:
\$ 20 Million

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

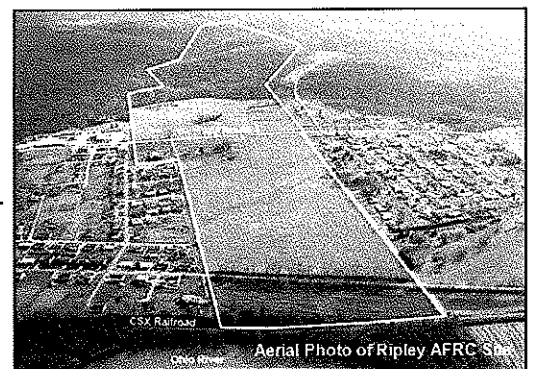


The new facility will house both the West Virginia Army National Guard (WVARNG) and the United States Army Reserves (USAR). The primary user for the WVARNG will be DET 1 821st Engineering Company, who will be supported by a FSC of the 1092nd. USAR occupants will include PLT AMMO 261 OD and PLT 1 (Postal) and PLT 6 (Postal) of the 44th Personnel Company. The facility will also include an expanded Drill Hall that can serve as a convention and meeting space, which is being funded by the Jackson County Commission, additional federal appropriations, and the State of West Virginia National Guard.



The site for the proposed facility includes a 344 acre tract of land located to the East of the Ohio River. The land is bisected by Route 2, and the new facility will occupy land between the river and Route 2, near the existing Order of the Eastern Star house.

The exterior aesthetic of the facility is strongly influenced by the existing Georgian Style Order of The Eastern Star house that will remain on the property. Due to the proximity to this existing structure, and the lack of other defining characteristics on the property,



RIPLEY ARMED FORCES RESERVE CENTER

WVARNG



LOCATION:
Milwood, West Virginia

SIZE:
75,000 SF

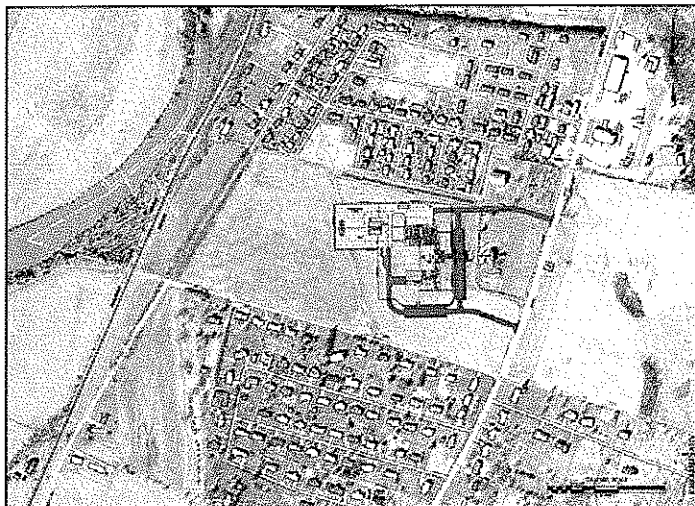
COST:
\$ 20 Million

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



The relationship between the structures became crucial to the site layout. The new facility is centered on the existing house, increasing the exposure of the facility from Route 2 - the major route of vehicular travel that parallels the Ohio River. Once the aesthetic of the building was established, the massing of the new facility was defined by "breaking-down" the facility into smaller mass elements that more closely reflected the Georgian Style, and that of many Army "posts," such as Fort Meyer in Northern Virginia. The larger programmatic elements such as the Drill Hall and the storage areas employ an aesthetic that more closely implies their function.

The layout of the facility includes a main entry with the USAR and WVARNG Recruiting, Family Support, and Administrative areas located on separate sides (USAR to the left, WVARNG to the right). A transverse wing on the left houses all functions that have the potential for public use, such as the Drill Hall and the Educational component, while all primary military spaces developed along a similar perpendicular wing on the right. This allows for separate entries to be developed for public functions, while the remainder of the facility can be secured. The layout also creates a large central courtyard or parade field that would be located at lower grade to define the edge facing the river. This edge will also be defined by a canopy that connects storage and locker areas to the expanded Drill Hall.



MORGANTOWN READINESS CENTER

WVARNG



LOCATION:
Morgantown, West Virginia

SIZE:
50,000 SF

COMPLETION:
Est. March 2012

COST:
\$ 20M

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



The Morgantown Readiness Center complex consists of over 50,000 square feet of heated space, additional unheated storage and approximately 32,000 square yards of rigid and flexible paving. The new facility will occupy a 35 acre tract on a former runway at the Morgantown Municipal Airport in Monongalia County.

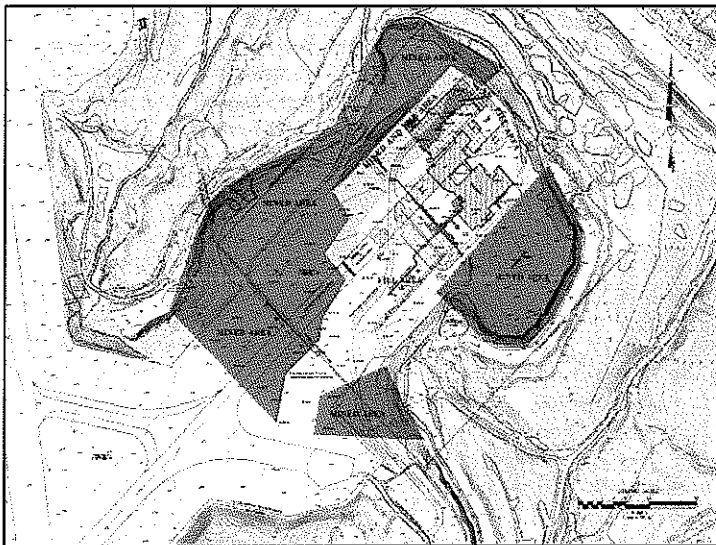
Capitol Engineering, Inc. (CEI) is performing all of the site investigation and site/civil design aspects of the project. Total project cost is estimated to be \$20,000,000.

The project includes the following major design elements:

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

The project included the following site investigation elements:

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



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



We work hard at staying generalists, while, by virtue of maintaining a practice for over fifty 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.

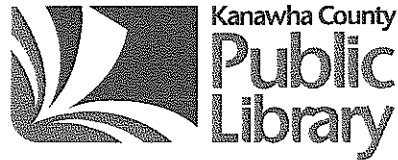
HISTORY AND PHILOSOPHY of ZMM



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 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)
National Guard Bureau Area (NSF)		
Operations	38,023	
Sub-Total (NSF)	38,023	
Total (GSP)	38,023	
Department of Energy Area (NSF)		10-34
Training	4,182	
Construction	118,011	
Information Technology	13,500	
Analysis	300	
General Support	3,001	
Sub-Total (NSF)	141,304	
Total (GSP)	65,283	
AFRC Area (NSF)		15
Functional	12,129	
Administration	0	
Unit Support	0	
Utility Areas	0	
Special Expenses	0	
Sub-Total (NSF)	12,129	
Total (GSP)	12,129	
Joint Interagency Training Center, East Area (NSF)		16
Administration	11,773	
Function	21,500	
Other	4	
Sub-Total (NSF)	33,277	
Total (GSP)	45,077	
Billeting Area (NSF)		17
Billeting	58,258	
Sub-Total (NSF)	58,258	
Total (GSP)	73,286	
Total Building Area Area (GSP)		
National Guard Bureau	38,023	
Department of Energy	65,283	
Armed Forces Readiness Center	15,003	
Joint Interagency Training Center	45,077	
Billeting	73,286	
Total (GSP)	234,672	

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

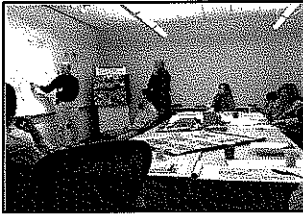


POST DESIGN

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. 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 to ensuring the quality of every ZMM project. 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. 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.

ADAM R. KRASON

AIA, NCARB, LEED AP



Position

Project 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

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

MARY JO CLELAND

PE



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

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

Alderson Federal Prison Camp

Hazelton Federal Prison Camp

WV Army National Guard Family Readiness Center

WV State Office Buildings 5,6 & 7

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

STEVEN BRANNER

AIA



Position

Principal
Corporate Management
Architectural Programming
Architectural Design and Production

Education

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

Employment History

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

Professional Credentials

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

Civic Affiliations

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

Professional Experience

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

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

Major clients overseen by Steve include:

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

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 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.

AWARD WINNING DESIGN



2009

Construction & Facilities Management Office

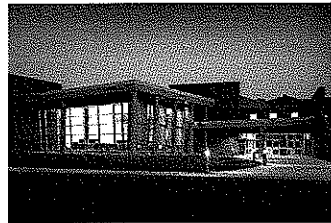
Charleston, West Virginia
AIA Merit AWARD West Virginia Chapter
Achievement in Architecture



2008

Erma Byrd Center

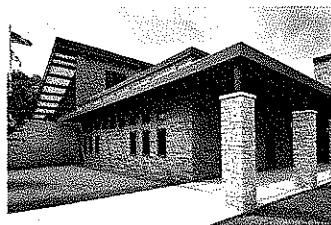
Beckley, West Virginia
AIA HONOR AWARD West Virginia Chapter
Excellence in Architecture
AMERICAN SCHOOL & UNIVERSITY
Outstanding Building Design



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

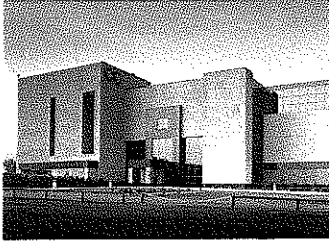


2004

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

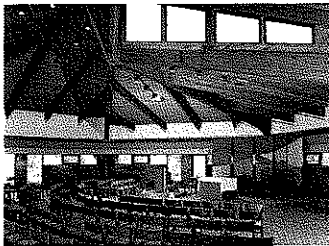
ADDITIONAL AWARD WINNING DESIGN



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



west virginia department of environmental protection

Public Information Office
601 57th Street, South East,
Charleston, WV 25304

Joe Manchin III, Governor
Randy C. Huffman, Cabinet Secretary
www.wvdep.org

February 21, 2009

Adam R. Krason, AIA, NCARB, LEED AP, Architect
ZMM Architects and Engineers
222 Lee Street, West
Charleston, WV 25302

Dear Mr. Krason,

As Sustainability Officer with the West Virginia Department of Environmental Protection, it is my pleasure to write a letter in support of ZMM Architects and Engineers and their efforts to work with West Virginia organizations committed to improving their built and natural environments and organizational sustainability... or triple bottom line... profit, people, and planet.

The diverse staff at ZMM Architects and Engineers has expert knowledge, skills, and abilities with respect to the United States Green Building Council's Leadership in Energy and Environmental Design[®] Green Building Rating System[™] and about broader sustainability concepts, principles and the environment in West Virginia.

I have worked with Mr. Krason and Ms. Jill Watkins with "Green Building Workshops" and creating a statewide program that builds capacity and provides leadership development opportunities for individuals and organizations embracing sustainability and looking for the complementary relations among the environment, economy and culture in West Virginia. Their inspiring work ethic, wisdom and integrity speak volumes about the manner in which they conduct business and represent themselves throughout West Virginia Communities.

The WVDEP is encouraged by ZMM Architects and Engineers' efforts and how it will lead to eventual Skill Set development and interdisciplinary program enhancements with other sustainability concepts and principles such as:

- Energy and cost efficiency;
- Alternative and renewable energy;
- Sustainable building design, construction, operation and maintenance that supports the United States Green Building Council's Leadership in Energy and Environmental Design[®] Green Building Rating System[™];
- Creation of green businesses and collar jobs; and,
- Others.

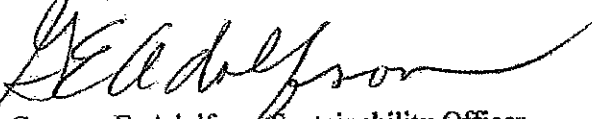
ZMM Architects and Engineers support our capacity building and leadership development activities, and complements and augments WVDEP programs such as:

- Sustainable Communities – a program that targets homeowners, schools, businesses, and community institutions dedicated to energy and water conservation, waste minimization and elimination, pollution prevention, and other sustainability concepts and principles that build sustainable communities... strong local economies, wholesomely vibrant communities, and healthy environments.
- Environmental Excellence – a program that targets regulated and non-regulated organizations in an effort to promote, reward, and encourage superior environmental performance within West Virginia organizations that meet the requirements of program eligibility including an exemplary environmental performance record, commitment to develop and implement an environmental management system, establish environmental performance goals, promote public involvement, and to positively impact the quality of life for all West Virginians by improving the economy, environment, and society through incentives, public participation, innovative technologies, and sustainability concepts. This program is the companion to the United States Environmental Protection Agency's National Environmental Performance Track.
- I Travel Green – a program that targets West Virginia travel and tourism organizations that is an entirely voluntary, affordable program that Registers and Benchmarks travel and tourism organizations that have made a commitment to continually enhance their operations that improve environmental, socio-cultural, and economic performance through evaluating their operations; setting goals, establishing objectives and targets, developing programs; and taking specific actions toward environmental, socio-cultural, and economic sustainability. I Travel Green is designed to support the West Virginia Division of Tourism's "West Virginia Wild and Wonderful" brand, give the state and travel and tourism organizations a marketing edge, promote smart practices, reduce costs, educate travelers and tourists, and protect the beauty and vitality of West Virginia's landscape.

In conclusion, I fully support the efforts of ZMM Architects and Engineers as you seek support for institutionalizing your programs. Any program, that incorporates sustainability concepts and principles and focuses on building capacity and developing leaders in sustainability throughout West Virginia, will benefit our people, our communities, and our overall return on investment. This will support the foundation for building a sustainable future for West Virginia.

Should you have questions, or require additional information, please do not hesitate to contact me at (304) 926-0499 X1332 or gregory.e.adolfson@wv.gov.

Sincerely,



Gregory E. Adolfson, Sustainability Officer
West Virginia Department of Environmental Protection

The Higher Education Foundation

200 MAIN STREET, BECKLEY, WEST VIRGINIA 25801-4613

TELEPHONE 304 929-2010 FACSIMILE 304 929-2009 forwardswv@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.

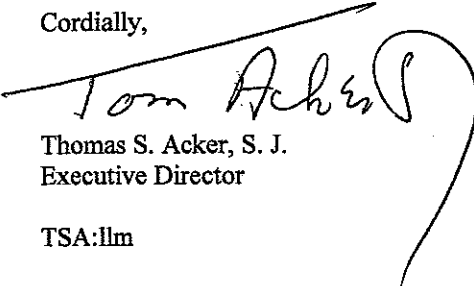
Our contract with you began in December, 2005. We had to complete architectural plans, bid the building, secure a contractor, and begin construction by July, 2006, in order to meet an opening date of August, 2007. ZMM was the perfect partner with us as we forged a new building on a yet raw campus and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

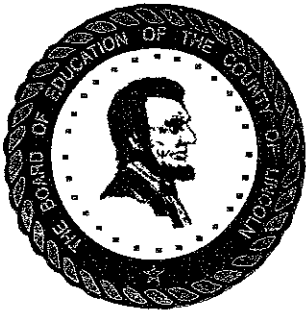
I simply wanted to send you this note of thanks for accepting a very daunting task, completing it with excellence, maintaining the very restricted budget, and making this whole project successful. We are now looking forward to a second building, and while we probably need by state law to seek architectural 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".

David L. Roach
Superintendent of Schools

RFQ No. DNR 210160

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 owned 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: AD R.K. Date: 29-MAR-2010

State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 29th day of March, 2010.

My Commission expires 10-6, 2018.

AFFIX SEAL HERE

NOTARY PUBLIC Lisa E. Bowles

