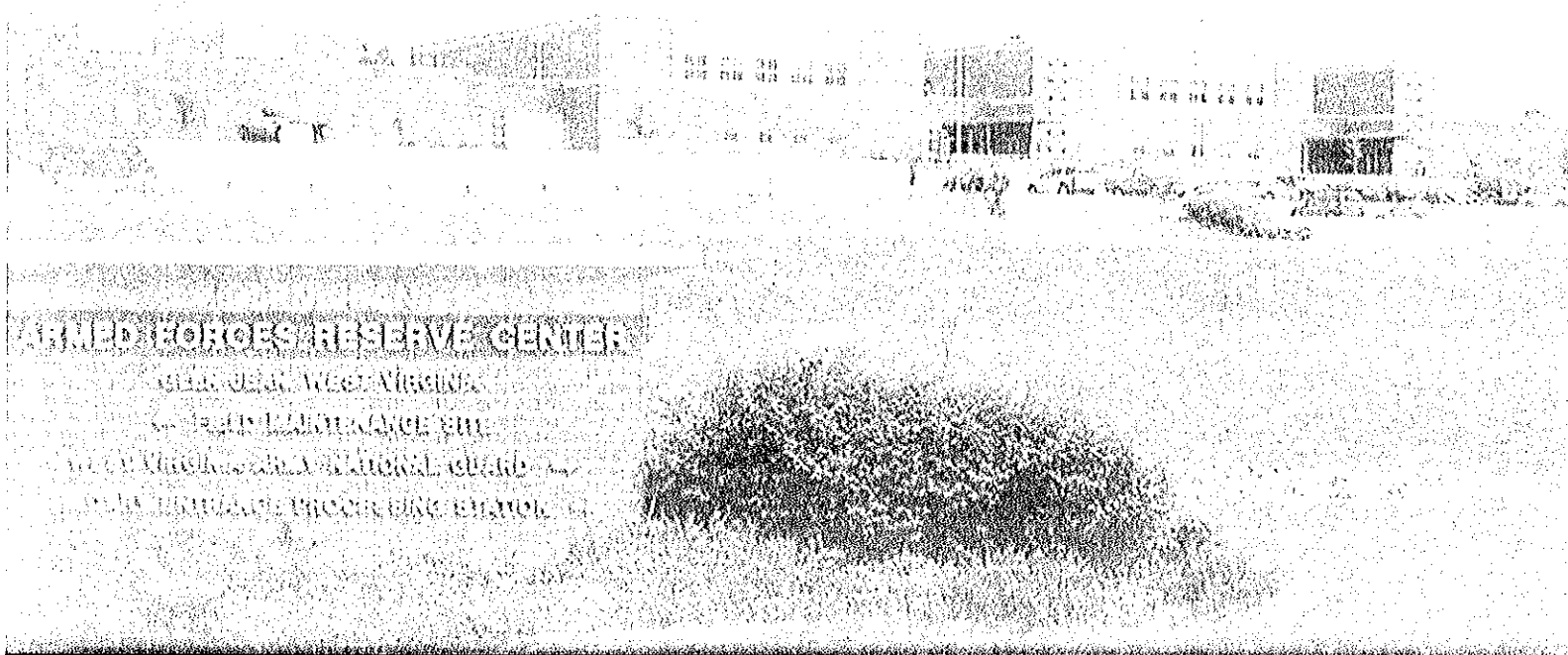
Expression of Interest:

Ben Jean Armed Forces Readiness Center – Power Generation

RFQ# [illegible]



ZMM

August 19, 2010

ZMM

ARCHITECTS & ENGINEERS

August 19, 2010

Mr. Chuck Bowman, Buyer
Department of Administration, Purchasing Division
2019 Washington Street, East
PO Box 50130
Charleston, West Virginia 25305-0130

Subject: Glen Jean Armed Forces Readiness Center Power Generation
West Virginia Army National Guard
Requisition DEFK11007

Dear Mr. Bowman:

ZMM is pleased to submit the attached information to demonstrate both our experience and our capability to provide professional architectural and engineering services for the design of the emergency power generator and supporting facilities for the Glen Jean AFRC. We are confident that our experience designing the Glen Jean AFRC makes **ZMM** uniquely qualified to provide service for the project. Additionally, **ZMM** proposes to use the same electrical engineer that provided services on the Glen Jean AFRC (Mr. Scot Casdorph, PE) to design the generator, transfer switch, and upgrades to the power distribution system needed to accommodate the generator, which will help ensure the success of the project for the West Virginia Army National Guard.

Since 1959, **ZMM** has been consistently recognized as one of the largest, fully integrated, architecture and engineering firms in the State of West Virginia, and the quality of our design work has been recognized with both state and national design awards. We are an organization of creative professionals with the common interest of working with our clients to design and engineer innovative and cost effective buildings, which has been demonstrated on several recent projects for the West Virginia Army National Guard, including the CFMO Expansion, the Jackson County AFRC, the JITEC, and the Morgantown Readiness Center.

Thank you for taking the time to review the attached information, which includes (in Tab 1) a Project Approach. We look forward to meeting with you in the near future to review our qualifications, and to discuss the emergency generator project in greater detail.

Respectfully submitted,

ZMM, Inc.

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

ZMM, Inc.
222 Lee Street West • Charleston, West Virginia 25302
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zmm.com

Request for Expression of Interest: Architect and Engineering Services
Glen Jean Armed Forces Reserve Center - REQ# DEFK11007

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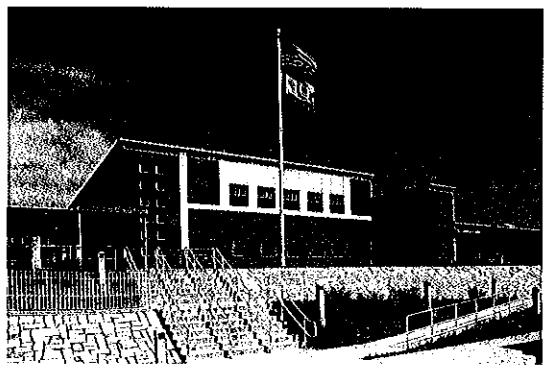
ZMM

Glen Jean Generator Replacement: Project Approach

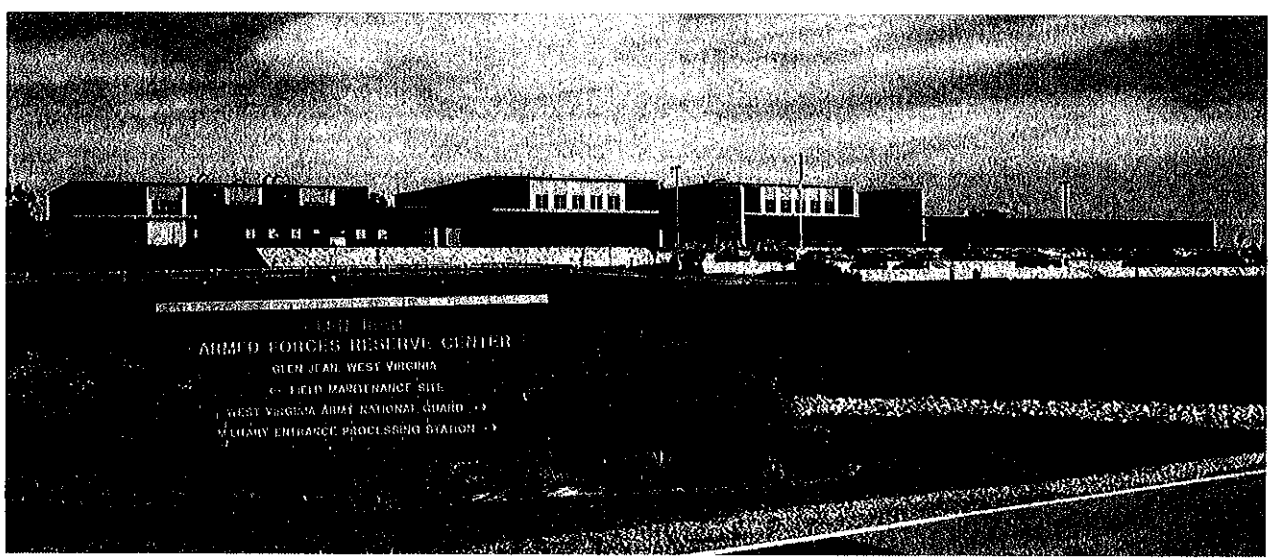
ZMM provided Architectural/Engineering design services for the Glen Jean Armed Forces Readiness Center, and proposes to use the same electrical engineer (Scot Casdorph, PE) to design the generator replacement. Mr. Casdorph's knowledge of the electrical design of the facility will help ensure the success of the project for the West Virginia Army National Guard.



The proposed emergency generator shall serve as a back-up for loss of normal utility power and provide electrical service to the entire Glen Jean facility in lieu of selective portions of the building as presently designed. The Glen Jean facility currently houses an existing 150KW emergency generator which provides back-up emergency power to critical data server equipment, life safety, and selective WVARNG areas of the facility. **ZMM** proposes to replace the existing 150KW genset with a larger emergency generator of adequate size (approximately 1,000KW, 1250KVA, 480V/3-phase) with capacity to power the entire facility for all branches therein - WVARNG, FMS 3, and MEPS. The larger emergency generator and transfer switch shall be sized according to the building's total load, large motor starting requirements, and utility demand factors based on past energy consumption.

The existing electrical switchboard and power distribution system shall be reconfigured for the new emergency equipment. **ZMM** shall provide a new location for the larger transfer switch and reroute feeders to and from the pad mounted transformer, transfer switch and main distribution panel. The existing emergency distribution panels shall be converted to normal power panels and fed from the main switchboard in lieu of the existing transfer switch. All feeders and electrical panels shall be sized according to their respective loads and distances to accommodate any voltage drop factors.

The existing emergency equipment consisting of the generator, transfer switch, and associated equipment shall be returned to the owner. This equipment, installed approximately six years ago, is in good working condition and can be relocated to another site for re-use following approval of a certified generator inspection.



Glen Jean Armed Forces Reserve Center

WVARNG

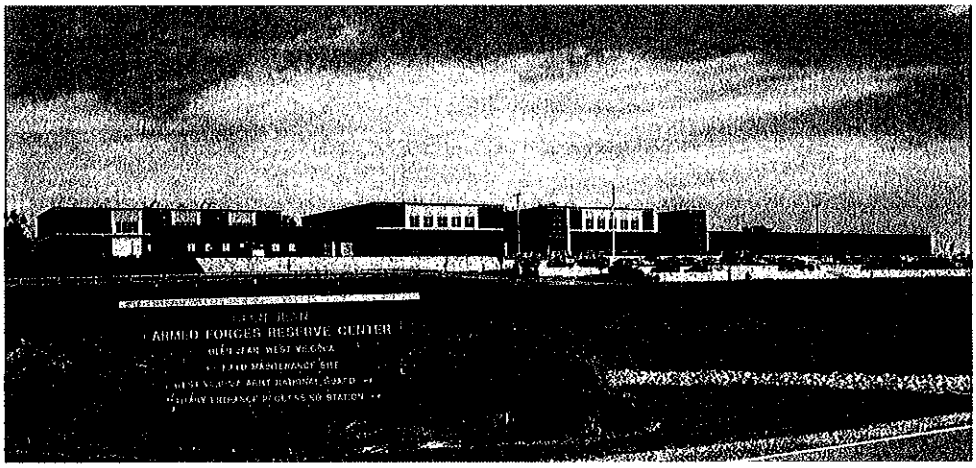
ZMM

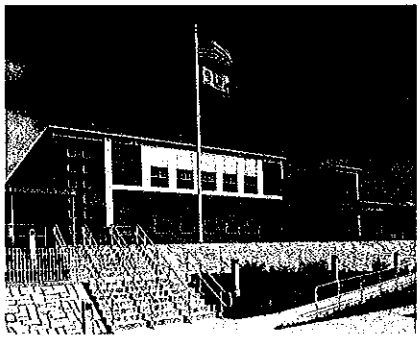
LOCATION:
Glen Jean, West Virginia

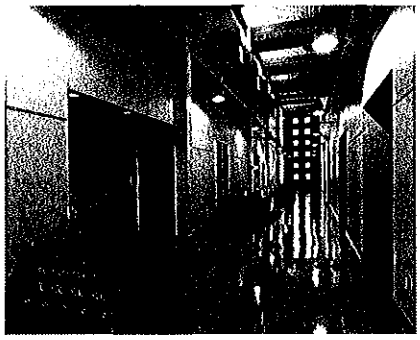
SIZE:
109,000 SF

COMPLETION:
2003

CONTACT:
General Melvin L. Burch
WVARNG
1703 Coonskin Drive
Charleston, WV 25311
304.561.6450







The Glen Jean Armed Forces Center contains three distinct military functions: a facility for routine maintenance of over-the-road and tracked military vehicles, an armory housing four West Virginia National Guard units and the Southern West Virginia Military Entrance Processing Station, where new recruits officially enter the military system.

The brick exterior walls are highlighted with limestone and metal trim accents. A large assembly hall, plus classroom and training space, enhance the ability of the armory building to provide training for military personnel, and additionally to provide space for community functions.

Joint Interagency Training & Education Center

WVARNG

ZMM

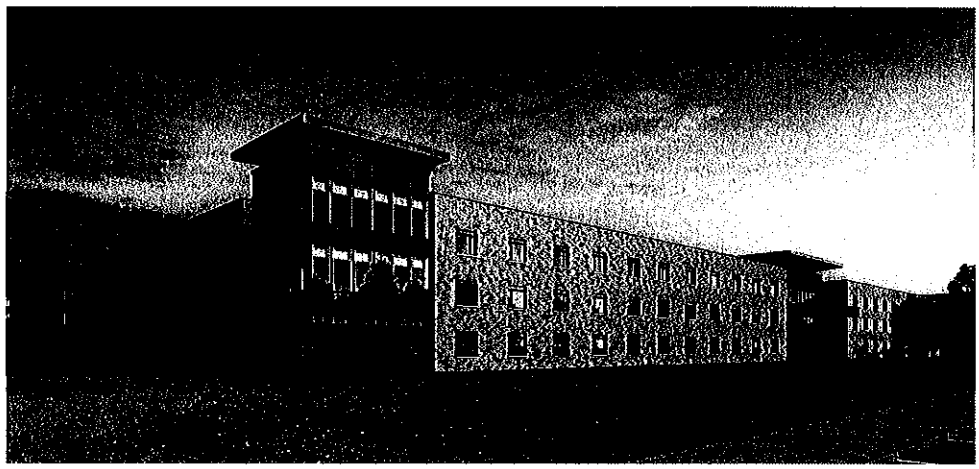
LOCATION:
Kingwood, West Virginia

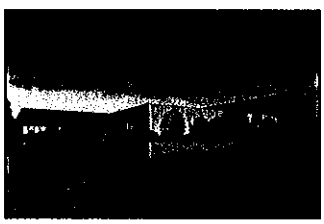
SIZE:
285,000 SF

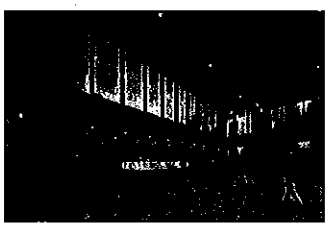
COMPLETION:
Est. 2012

COST:
$110 Million

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







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

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

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

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

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

Joint Interagency Training & Education Center

WVARNG

ZMM

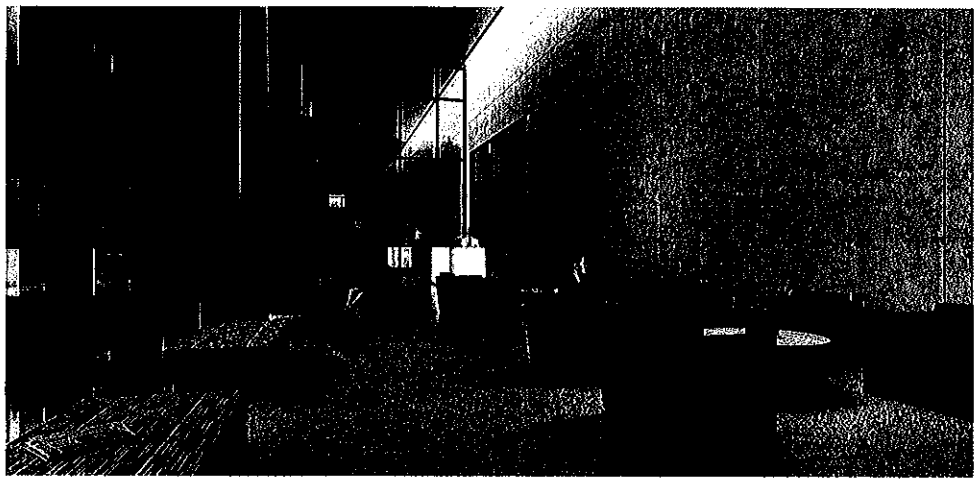
LOCATION:
Kingwood, West Virginia

SIZE:
285,000 SF

COMPLETION:
Est. 2012

COST:
$110 Million

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



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

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

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

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

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

Robert C. Byrd - Regional Training Institute

WVARNG

ZMM

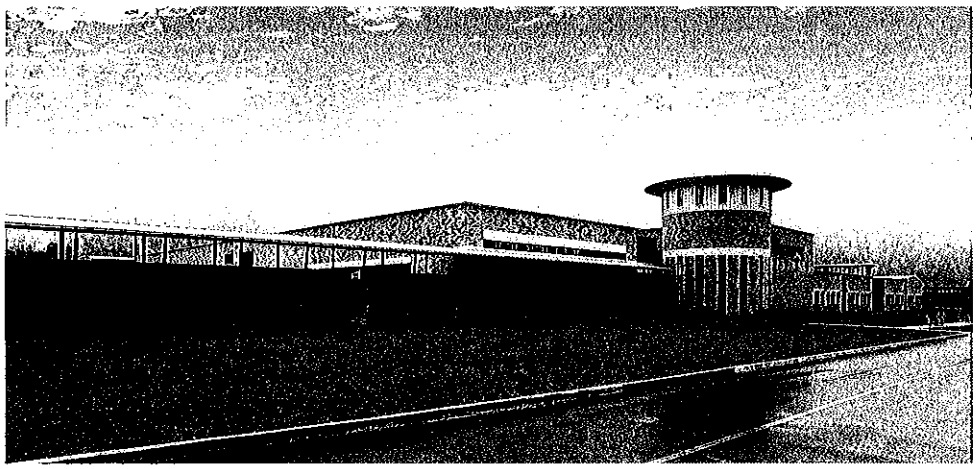
LOCATION:
Camp Dawson, West Virginia

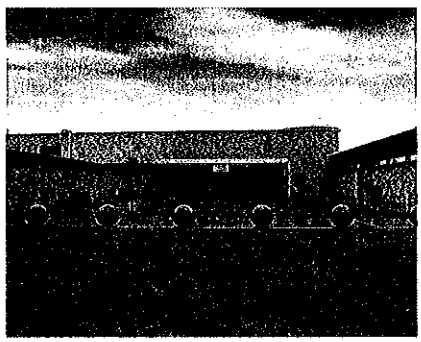
SIZE:
148,066 SF

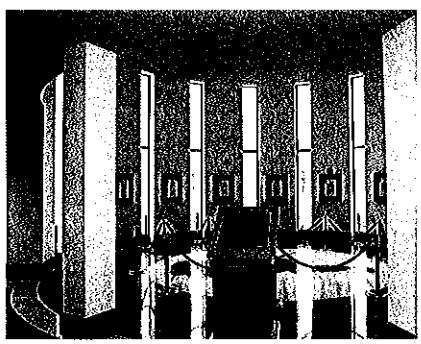
COMPLETION:
2002

COST:
$21 Million

CONTACT:
General Melvin L. Burch
WVARNG
1703 Coonskin Drive
Charleston, WV 25311
304.561.6450







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

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

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

RIPLEY ARMED FORCES RESERVE CENTER

WVARNG

ZMM

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 included 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 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.

Construction & Facilities Management Office

WVARNG

ZMM

LOCATION:
Charleston, West Virginia

SIZE:
19,935 SF

COMPLETION:
2008

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

AWARDS:

2009 AIA Merit Award
West Virginia Chapter
Achievement in Architecture

The Construction and Facilities Management Office (CFMO) Expansion project will bring all of the operations of the CFMO together under one roof. The branches that will occupy this facility include: Director of Engineering, Environmental, Planning and Programming, Facility Operations & Maintenance, Business Management, Resource Management, and Design and Construction. This new facility is located slightly to the front, and adjacent to the existing facility, lending prominence to the new construction , and providing a new aesthetic to the entire complex.

This transitional space was designed to connect the two structures, while maintaining a connection to the outside through use of natural light, direct visual connections to the exterior, large volumes, irregular geometries, and the use of 'natural' materials.

The entry design was coordinated with the Recruiting and Retention building to create an outdoor courtyard, along with new sidewalks, stairs and signage. The entry roof is sloped to provide a greater massing, while a lower canopy provides scale and protection from the elements. Large gathering and work spaces were located on the north elevation to take advantage of large expanses of glazing located to capture indirect light and views of Coonskin Park.

KINGWOOD ARMED FORCES RESERVE CENTER

WVARNG

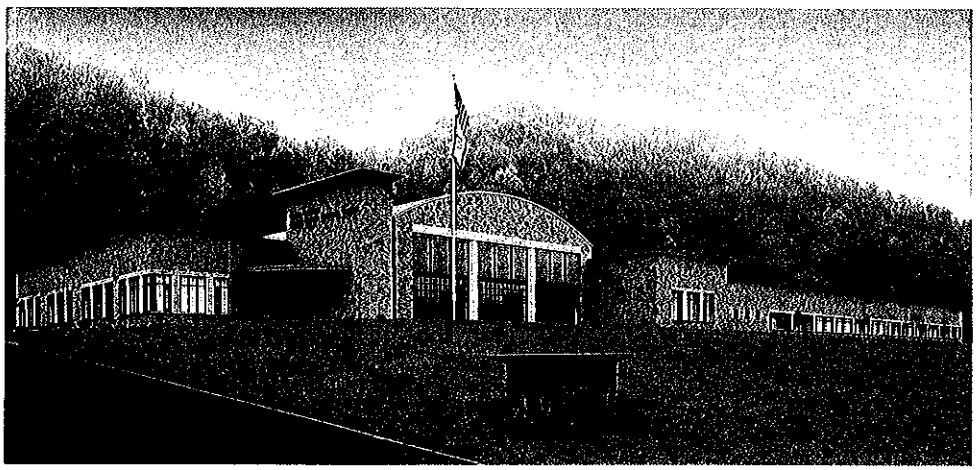
ZMM

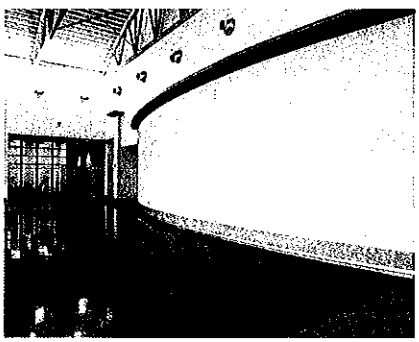
LOCATION:
Camp Dawson, West Virginia

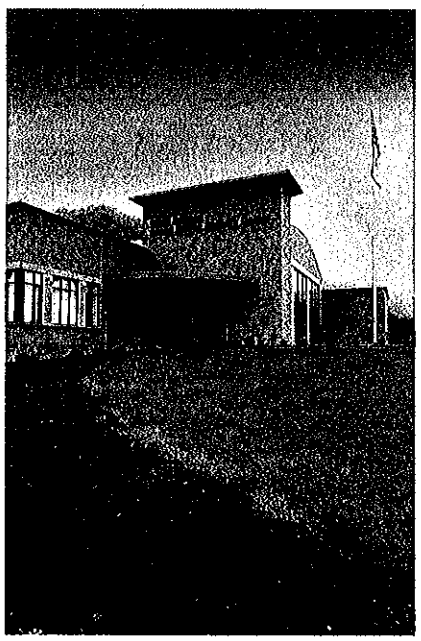
SIZE:
56,200 SF

COMPLETION:
2000

CONTACT:
General Melvin L. Burch
WVARNG
1703 Coonskin Drive
Charleston, WV 25311
304.561.6450







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

The primary readiness mission for the center's attached units is accomplished by providing designated spaces for each unit as well as general educational and gathering spaces that can be shared among the units.

The building's community mission is to provide a gathering space for social functions, a shelter-in-place in times of natural disaster, and a community education resource with distance learning network capabilities. It also includes kitchen and dining facilities and physical fitness areas.

State Office Building #5, 10th Floor

Office of Technology

ZMM

LOCATION:
Charleston, WV

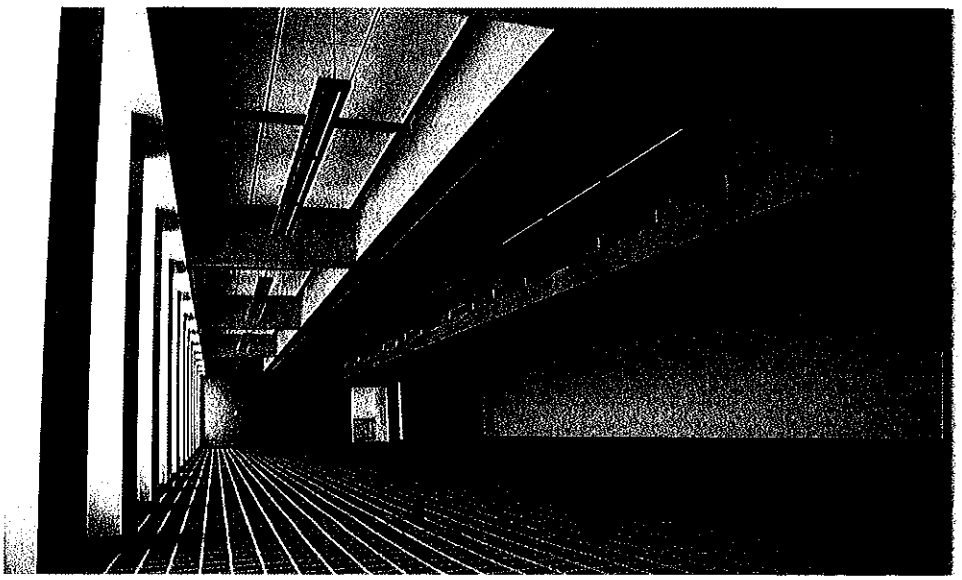
SIZE:
22,000SF

COST:
$3.7M

COMPLETION:
2010

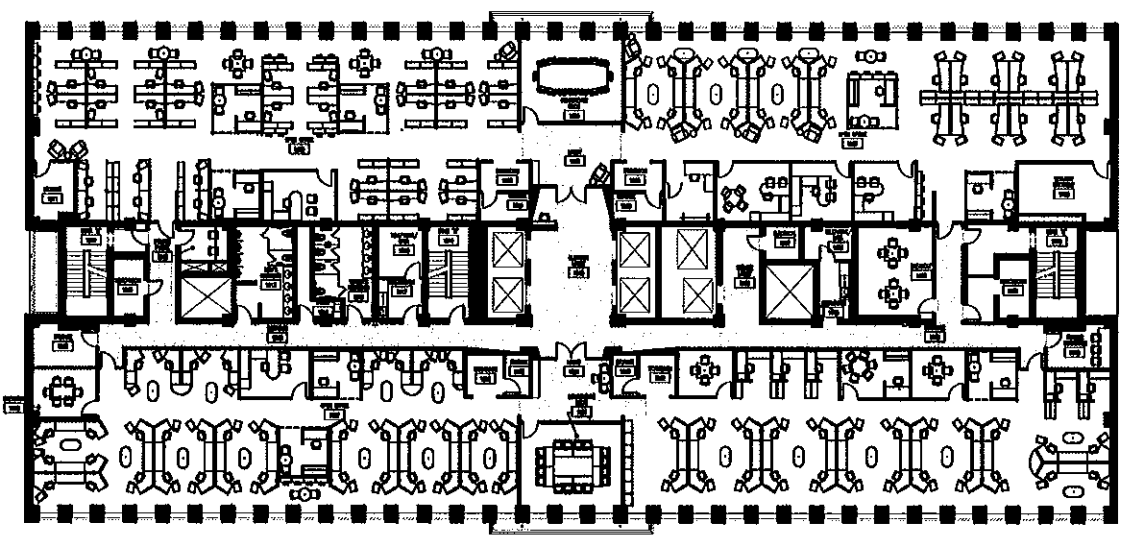
CONTACTS:
Mr. David Oliverio
Director
General Services Division
1900 Kanawha Blvd. E
Charleston, WV 25305
304.558.3517

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



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



State Office Building #5, 10th Floor

Office of Technology

ZMM

LOCATION:
Charleston, WV

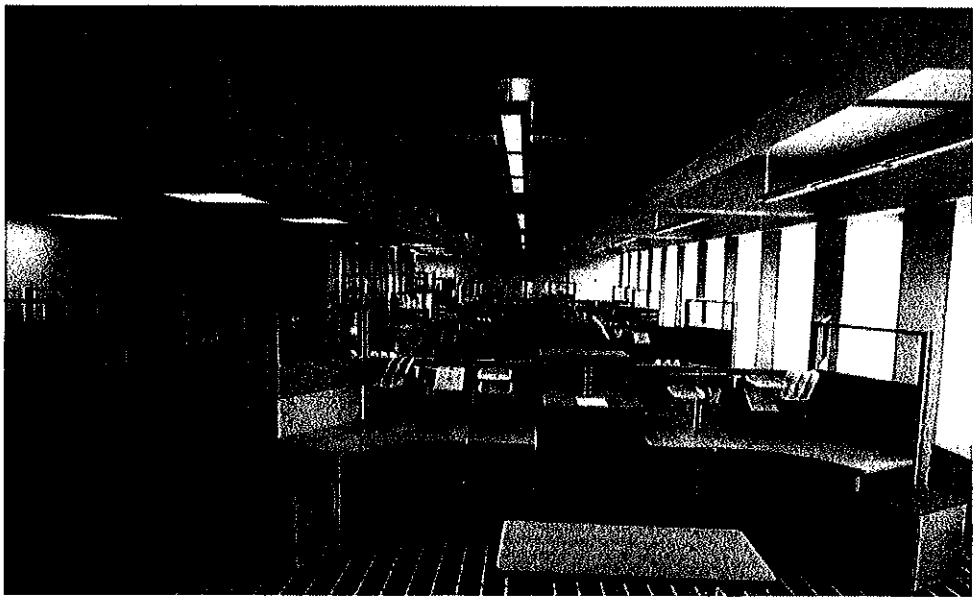
SIZE:
22,000SF

COST:
$3.7M

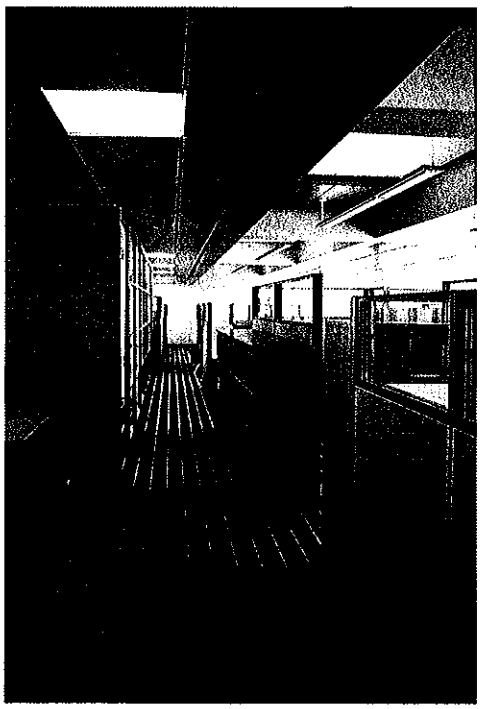
COMPLETION:
2010

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

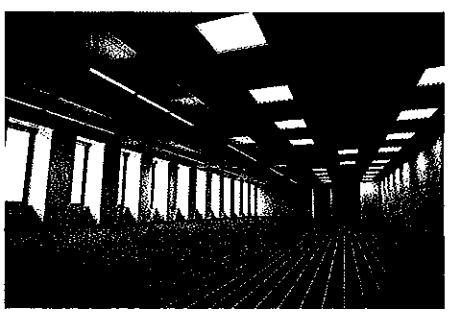
Mr. Chuck Lawrence
Director
Department of Administration
Real Estate Division
1409 Greenbrier Street
Charleston, WV 25311
304.558.4331



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



The design of the 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 workroom functions. In addition to the office areas, the elevator lobby has been updated to create a consistent look and level of finish at the entry point to the Office of Technology.



Erma Byrd Center

Public Higher Education Center

ZMM

LOCATION:
Beaver, West Virginia

SIZE:
33,000 SF

COMPLETION:
August 2007

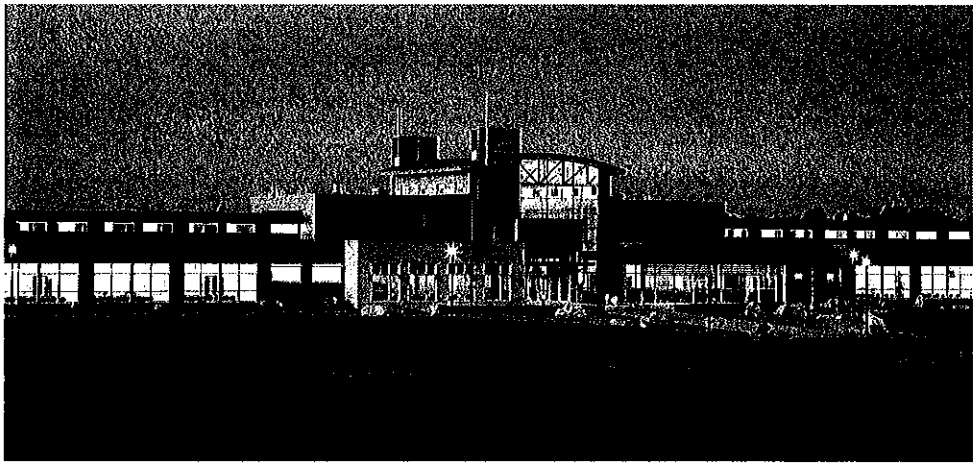
COST:
$7.5 Million

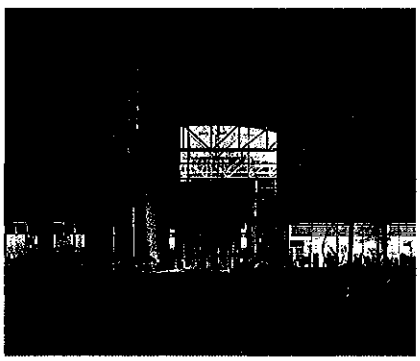
CONTACT:
Thomas S. Acker S.J.
Executive Director
200 Main Street
Beaver, WV 25801
304.929.2010

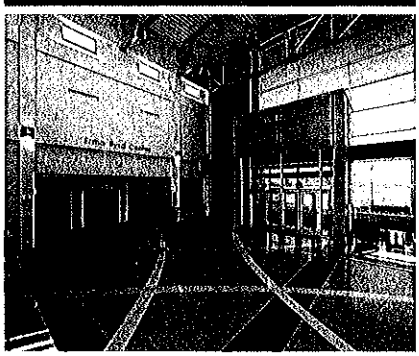
AWARDS:

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.

Downtown Center (W.T. Grant Building)

West Virginia University at Parkersburg

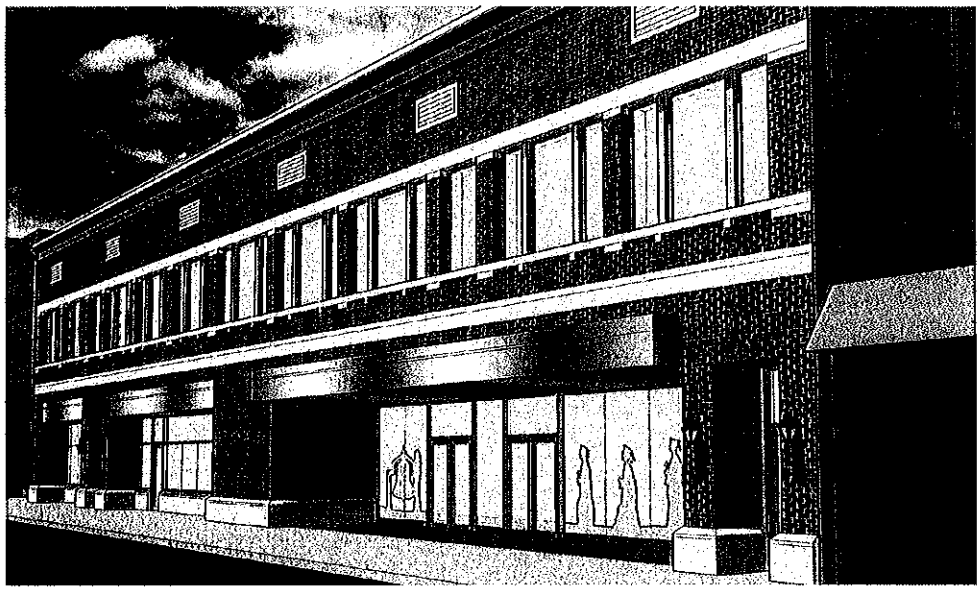
ZMM

LOCATION:
Parkersburg, WV

COMPLETION:
2009

COST:
$400,000

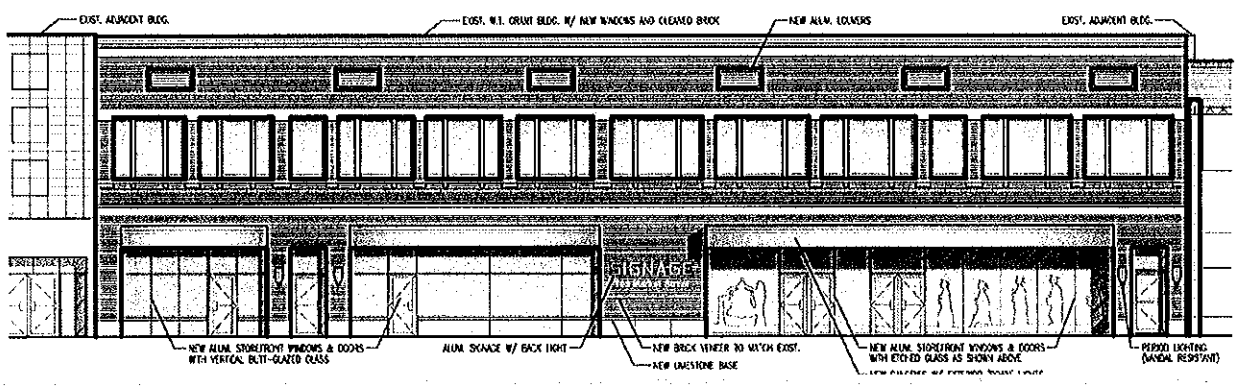
CONTACT:
Dr. Marie Gnage
President
West Virginia University
at Parkersburg
300 Campus Drive
Parkersburg, WV 26104
304.424.8000



West Virginia University at Parkersburg (WVU-P) is in the process of renovating the former WT Grant Building located on Market Street in downtown Parkersburg to serve as a new Downtown Center for WVU-P. Ultimately, the Grant Building will be renovated as a multi-use facility/center with education as the foundation for all activity. The facility will include flexible educational space, specialized space for culinary arts, classrooms/training rooms, seminar/small meeting spaces, community rooms, and temporary office space.

ZMM provided preliminary design services and a construction cost estimate for improvements to the building façade. Services included the development of as-built drawings, conceptual elevations, renderings, and modeling. ZMM worked closely with West Virginia University at Parkersburg to ensure that the design reflected a contemporary and unified aesthetic, while also responding to the existing urban fabric.

In addition to the façade design services, ZMM, in conjunction with the West Virginia DEP, conducted a sustainable design charrette at the facility to develop strategies for implementing sustainable design principles into the renovation of the former WT Grant Building. Mr. Krason and Ms. Watkins facilitated the charrette, and following the charrette provided a list of potential sustainable design strategies to WVU-P.



Lincoln County High School

Lincoln County Schools

ZMM

LOCATION:
Hamlin, West Virginia

SIZE:
216,500 SF

COMPLETION:
August 2006

COST:
$32 Million

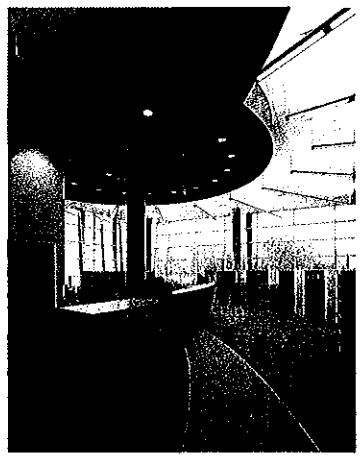
CONTACT:
Mr. Steve Pauley
Superintendent
10 Marland Avenue
Hamlin, WV 25523
304.824.3033

AWARDS:

2007 AIA Honor Award
West Virginia Chapter
Excellence in Architecture

Education Design Showcase
Project of Distinction award

American School & University
Outstanding Building Design



The new Lincoln County High School combines four existing high schools into one school. To formulate a more "comprehensive" approach to this project, the local school system decided to add the vocational school programs. This allows the students the opportunity to access the vocational classes without leaving the building. Along with the new vocational classrooms, some additional programs were added as well. The Health Occupations Lab will operate in conjunction with the Doctor's Office Clinic on site. Students enrolled within that program will have the opportunity to do "job shadowing" within the clinic setting. The Clinic will operate six days a week and twelve months out of the year.

In keeping with the new high school becoming the focal point of the community a community college wing was added to the facility. Southern West Virginia Community College will offer classes during the day and evening. Students will have the opportunity to take college classes during the day. The community college Distance Learning facility along with the Science and Computer Lab will also be accessible to the high school students for daytime classes.

The building provides a unique learning opportunity for the students. Daylighting along with automatic lighting controls provide state of the art technology for students to see how sustainable design, energy conservation ,and technology work together. This facility is one of the first educational buildings in the state of West Virginia to include sustainable building design features. A fully integrated computer technology system is provided throughout the building. Students as well as faculty have access to computers throughout the facility in every type of classroom.

St. Albans High School

Kanawha County Schools

ZMM

LOCATION:
St. Albans, West Virginia

SIZE:
216,500 SF

COMPLETION:
2003

COST:
$24 Million

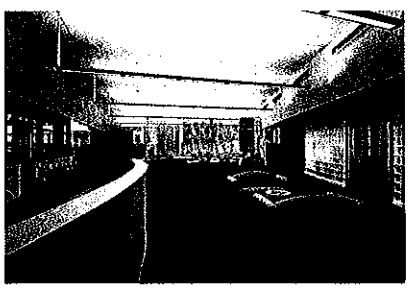
CONTACT:
Dr. Ron Duerring
Superintendent
200 Elizabeth Street
Charleston, WV 25523
304.348.7732

AWARDS:

Impact on Learning Award
Effective Transformation

Education Design Showcase
Outstanding Building Design

American School & University
Outstanding Building Design



The most outstanding feature of the completed renovation of St. Albans High School, in addition to its program functionality, is its unique, inviting physical entryway and the aesthetically pleasing and functional commons/cafeteria area. The committee intended this to become a visual focal point of the school creating a natural flow from the front entrance, through the commons and onto the rear, outside assembly/instructional area, as well as serving as a connecting hub between the academics and the more activity oriented areas.

The exterior environmental elements have also been positively addressed from the front of the building. Significant green space has been retained and enhanced which provides an inviting and safe approach to the high school building. An outside amphitheater located adjacent to the music and theater departments provides ample space for music and drama productions as well as a gathering space for students. In response to the students need for more "outside living space" the rear dining plaza was created. It not only has a visual impact on the interior but yields another flexible learning environment for the students and educators.

Members of the community and agencies within the community expressed the vision to incorporate a full "community center" within the high school building. Although it was not possible to fully integrate this within the facility, the addition of an auxiliary gym, renovations to the auditorium complex, a new media center and other additions and improvements do allow spaces for much more extensive use by the community. The renovations to the auditorium resulted in a facility that is not only educationally functional but has become a source of pride for the students as well as the community at large.

Provisions for new and emerging technologies and the application of technology were greatly enhanced throughout the building. With the new media center being the central hub for technology and with the inclusion of an appropriate infrastructure, both the current needs for technology are being met and flexibility will allow for the inclusion of future technology needs as they develop.

St. Albans High School

Kanawha County Schools

ZMM

LOCATION:
St. Albans, West Virginia

SIZE:
216,500 SF

COMPLETION:
2003

COST:
$24 Million

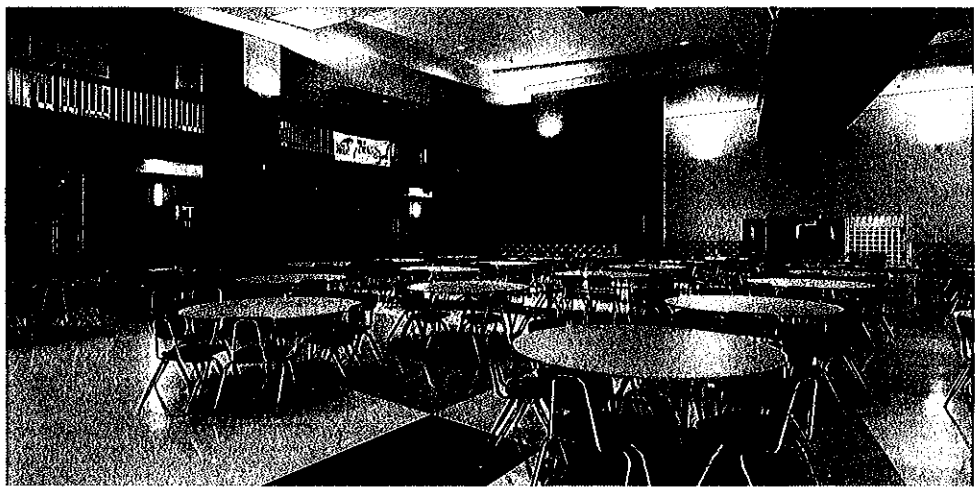
CONTACT:
Dr. Ron Duerring
Superintendent
200 Elizabeth Street
Charleston, WV 25523
304.348.7732

AWARDS:

Impact on Learning Award
Effective Transformation

Education Design Showcase
Outstanding Building Design

American School & University
Outstanding Building Design



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

This is especially evident within the new science spaces. Responding to concerns from students, staff and the community and due to the condition of existing science facilities, this area was completely replaced with modern, functional and flexible space and equipment.

St. Albans High School was completed during the summer of 2003 and was occupied by the student body at the beginning of the 2003-2004 school year. Unlike the process of constructing an entirely new building, provisions were necessary for housing the student body during the two year construction phase of the project. The school district made a commitment to use a nearby elementary building and to lease temporary buildings in order to provide uninterrupted programming for the student body

SOUTHSIDE ELEMENTARY/HUNTINGTON MIDDLE SCHOOL

Cabell County Schools

ZMM

LOCATION:
Huntington, West Virginia

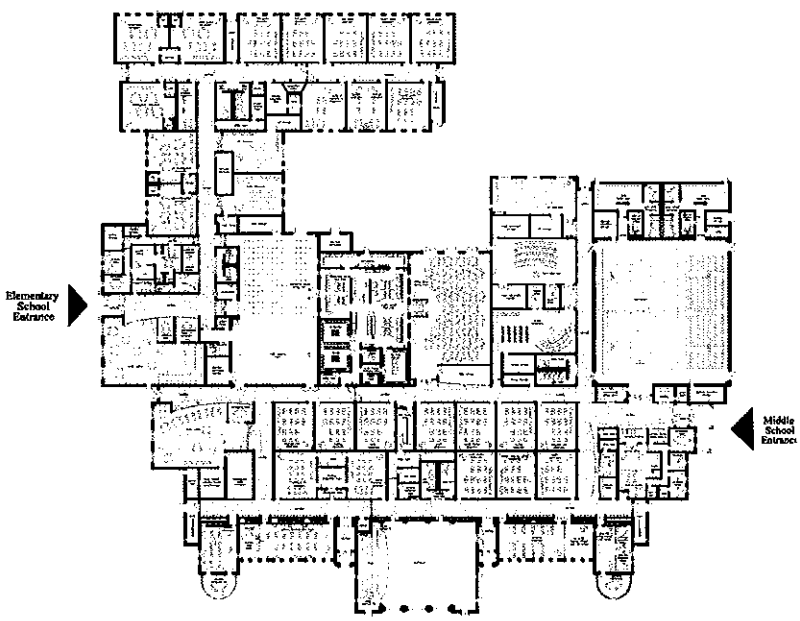
SIZE:
158,194 SF

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

ZMM

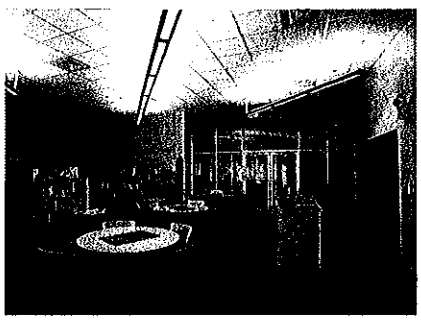
LOCATION:
Hacker Valley,
West Virginia

SIZE:
30,433 SF

COMPLETION:
2008

COST:
$8.2 Million

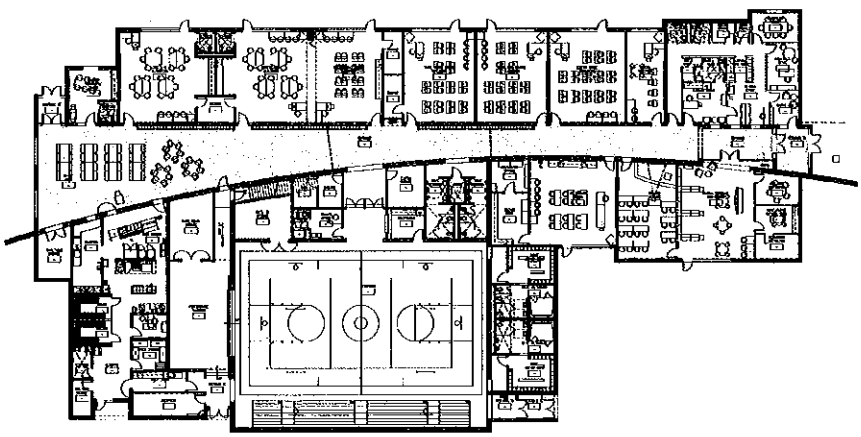
CONTACT:
Mr. A.J. Rogers, Jr.
Superintendent
315 South Main Street
Webster Springs, WV
26288
304.847.5638



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.



Wood County Justice Center

ZMM

LOCATION:
Parkersburg, West Virginia

SIZE:
32,000 SF

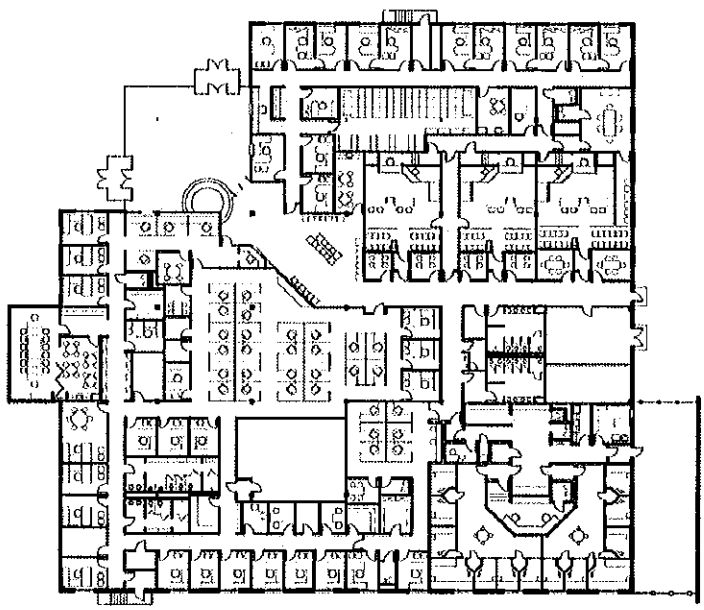
COMPLETION:
TBD

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

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

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

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



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

Dow Plant - Headquarters Building

ZMM

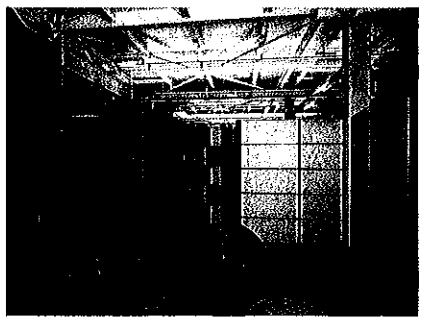
LOCATION:
South Charleston, West Virginia

SIZE:
127,200 SF

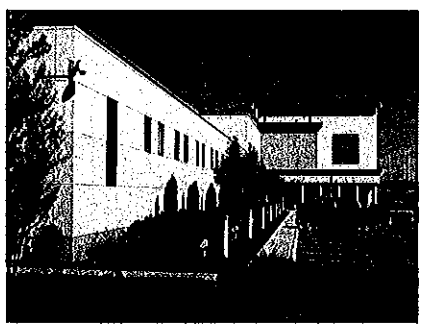
COMPLETION:
2003

COST:
$6.5 Million

CONTACT:
Mr. Jim Guidirini
437 MacCorkle Ave.
So. Charleston, WV
25303
304.747.3418

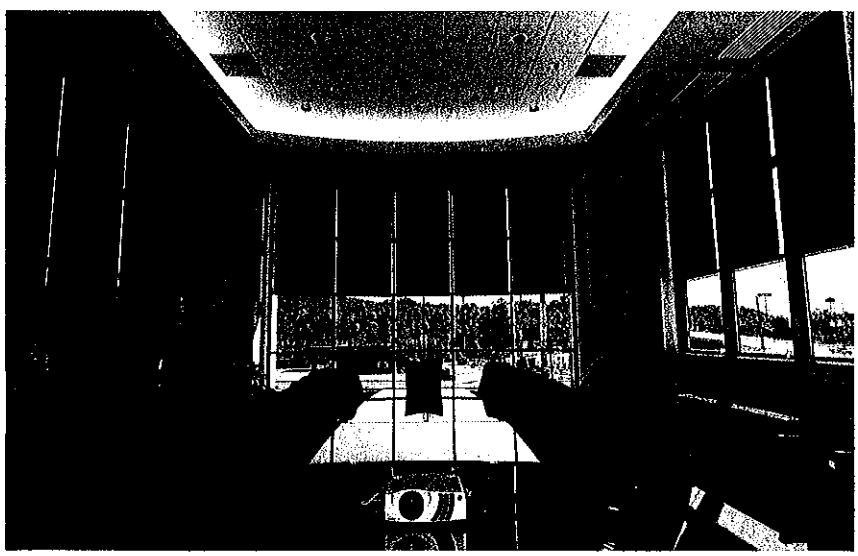


The existing space was converted to an open office environment with work stations for 70 plant personnel on the second floor. The first floor was redesigned to contain locker / shower facilities, a lunch room and the emergency operations center for the South Charleston plant. The addition contains the visitors entrance and conference facilities on the second floor.



The exterior window-wall construction in the existing building was replaced with new energy efficient windows and a solid insulated EIFS clad wall system.

A new energy-efficient HVA/C system was installed in the building.



HISTORY AND PHILOSOPHY of ZMM

ZMM

LOCATION:
222 Lee Street, West
Charleston, WV

CONTACT:
Phone 304.342.0159
Fax 304.345.8144
www.zmm.com

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

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

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

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

HISTORY AND PHILOSOPHY of ZMM

ZMM

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

COMMUNITY SUPPORT

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

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

Kanawha County Public Library

WEST VIRGINIA PUBLIC BROADCASTING

ZMM ARCHITECTS & ENGINEERS POPS SERIES

West Virginia Symphony Orchestra

ZMM

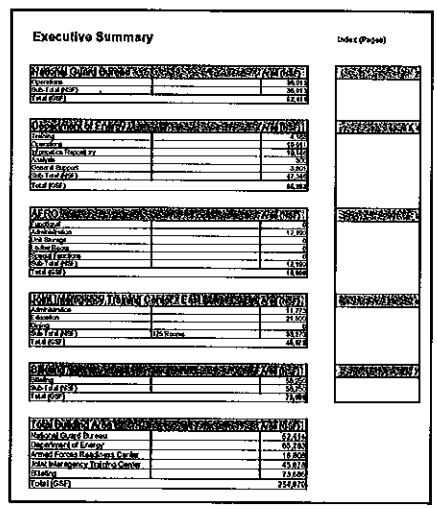
Since its inception, ZMM has been dedicated to the integrated approach to building design (providing full architectural and engineering services in-house) which is unique to architectural firms of our size. Our past successful experience demonstrates that providing multi-disciplined services within one 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

PROFESSIONAL SERVICES

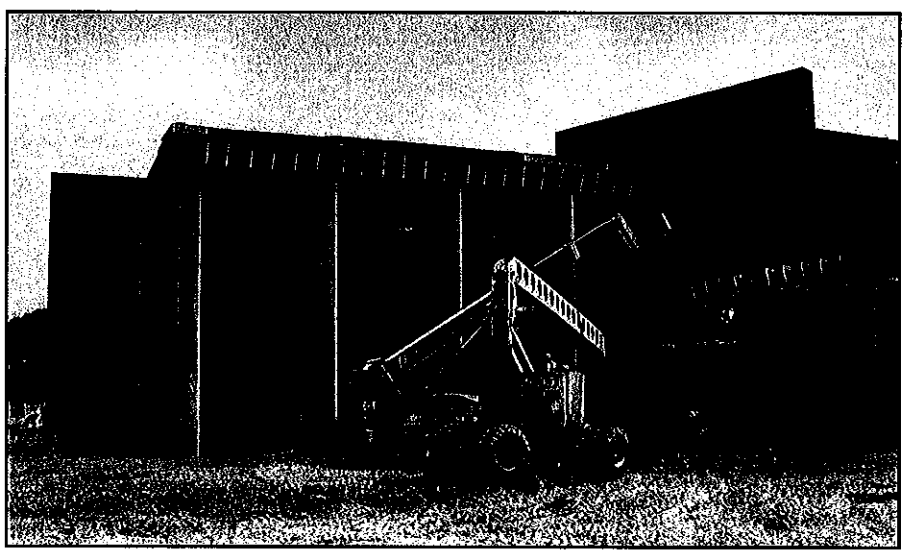
ZMM

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

ZMM

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

1. Selecting the Project Team

ZMM's diverse staff ensures that each project team is made up of highly qualified members, each dedicated to the project's success. Project team members are selected based upon relevant experience, and ability to help achieve the client's vision.

2. Identifying Project Requirements

Project team members are fully integrated in each phase of the design process, ensuring a quality project from the beginning, to take advan tage of early sustainable design decision-making. The project require ments are included in a 'Basis of Design' that each member of the pro ject 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

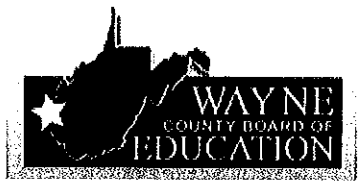
At the completion of every project, ZMM staff members participate in a learning session to gain insight useful for future projects. These reviews typically include participation from the owner and the contractor

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.

ZMM

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



ADAM R. KRASON

AIA, NCARB, LEED AP

ZMM

Position
Architect, Principal

Education
Bachelor of Architecture; The Catholic University of America, Washington, D.C.; 1998
B.S., Civil Engineering; The Catholic University of America, Washington, D.C.; 1998

Employment History
2008 - Present, Vice President
2003 - 2008, Project Architect
1998 - 2003, Project Architect, Charleston Area Architectural Firm
1998, Consultant, Anderson Consulting

Professional Credentials
Registered Architect: West Virginia and Ohio
LEED Accredited Professional
Construction Specifications Institute – CDT
Member of American Institute of Architect
NCARB Certification

Civic Affiliations
West Virginia Vision Shared-Sustainable Economic Development Team
West Side Main Street Design Committee, Charleston, West Virginia
West Virginia Qualifications Based Selection Council
Development Council, St. Agnes School, Charleston, West Virginia

Professional Experience
Mr. Krason's experience includes all aspects of the design and production of small and large projects with an emphasis on Military, Public, Government Facilities, Educational Facilities and Industrial Facilities. Mr. Krason also serves on ZMM's Board of Directors.

Specific project responsibilities: building programming, code compliance review, assistance with the preparation of architectural specifications, project budgeting and scheduling, schematic design compliance with project requirements, and the general overview of each project to ensure client expectations.

Project Experience
West Virginia Army National Guard - Logan Readiness Center
West Virginia Army National Guard - Morgantown Readiness Center
West Virginia Army National Guard - CFMO Expansion Project
Joint Interagency Training and Educational Center (JITEC)
State of West Virginia Division of Juvenile Services
Wood County Justice Center
West Virginia University at Parkersburg, Downtown Facade
Parkersburg Catholic Schools
Mountaineer Middle School
Nicholas County High School Additions/Renovations
State Office Building 5, 6, & 7 Analysis, 10th Floor Renovation

STEVEN BRANNER
AIA

ZMM

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 it's inception through construction completion. Specific project responsibilities include contract negotiation, building programming, project budgeting, and scheduling, schematic design compliance with project requirements, cost estimating, quality control, and the general overview of each project to insure that client expectations are met.

Major clients overseen by Steve include:
State of West Virginia Division of Juvenile Services
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

SCOT CASDORPH

PE

ZMM

Position
Electrical Engineer

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

Employment History
2000 - Present, Electrical Engineer, ZMM, Charleston, WV
1995 - 1999, Electrical/Control Systems Designer, WV Engineering Firm

Professional Credentials
Professional Engineer (WV)

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

MICHAEL D. ABERNETHY

LC, IESNA

ZMM

Position
Electrical and Lighting Designer

Education
A.S. Drafting and Design Engineering Technology, WV Institute of Technology, 1970
IESNA Certificate of Technical Knowledge (TKE) in Lighting Design

Employment History
1992-Present, ZMM, Electrical Designer/Technician
1988-1992, W. Va. Signal & Light, Inc., Construction Estimator/Purchasing Agent & Office Manager
1973-1988, ZMM, Electrical Designer/Technician

Professional Credentials
Lighting Certified by the National Council on Qualifications for the Lighting Professions (NCQLP)
Master Electricians License (West Virginia)

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

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

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

Project Experience
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

ROBERT C. DOEFFINGER
PE

ZMM

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.

STEVEN L. COOK
PE

ZMM

Position
Senior Mechanical and Electrical Engineer

Education
B.A., English, West Virginia University, 1972
2 Years toward B. S., Mechanical Engineering, WVIT, 1974-1975
M.A., Humanities, Marshall University Graduate College, 2004

Employment History
1989-Present, ZMM, Senior Mechanical Engineer
1976-1989, Charleston Area Engineering Firm, Project Manager
1972-1976, Charleston Area Engineering Firm, Designer

Professional Credentials
Registered Engineer (WV)
Member of ZMM's Board of Directors
Member of ASHRE

Professional Experience
Mr. Cook started his career in 1972 as a designer for an engineering firm in Charleston, WV. He is a Professional Engineer registered in West Virginia. He has designed and engineered many projects throughout the state of West Virginia.

Responsibilities Include:
Mechanical Design and Engineering.
Serves as liaison between clients and utility companies.
Design of sanitary and gas site utilities, site utility specifications.
In-house review of plumbing, sprinkler system, fire pump, and domestic water booster pump designs.
Review of plumbing, fire protection specifications, and temperature control design.
Equipment selection - air handling units, pumps, and boilers, site visits, observation reports and punch lists.

Project Experience
State of West Virginia Division of Juvenile Services
West Virginia Regional Jail & Correctional Facility Authority
WV Army National Guard - Glen Jean Armed Forces Center
WV Army National Guard - Logan Readiness Center
WV Army National Guard - CFMO Expansion Project
Highland Hospital
Saint Albans High School
Lincoln County High school

STEPHEN E. HEDRICK II

PE

ZMM

Position
Structural Engineer, ZMM

Education
B.A., Civil Engineering, West Virginia University Institute of Technology, Montgomery, WV, 1996-2001
M.A., Civil Engineering - Structural, University of Tennessee Knoxville, TN, 2001-2003

Employment History
2007-Present, ZMM
2003-2007, Principal Engineer, McCall Engineering, LLC, Sarasota, FL
2001-2003, Teaching Assistant and Thesis Research, University of Tennessee, Knoxville, TN

Professional Credentials
Professional Engineer (PE), 2007
Certified Engineer in Training (EIT), 2001

Professional Experience
Responsible for structural engineering design of residential structures, commercial structures, institutional structures and small scale bridges.

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

Project Experience
Southside Elementary/Huntington Middle School
Highland Medical Facility
New River Elementary - Supplemental Support
Hacker Valley Elementary - Supplemental Support
Barboursville Middle School - Supplemental Support
Glen Jean Armed Forces Center - Joist Reinforcement
West Virginia Cultural Center

MARY JO CLELAND

PE

ZMM

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

LEED ACCEDITED PROFESSIONALS

ZMM

"I became a LEED Accredited Professional because I believe that good design has value and the ability to impact our daily lives. The application of sustainable design principles enhances this value, and employs an integrated design approach that can improve both our environment, as well as the performance of building occupants.
Sustainable design showcases the value of design through demonstrated improvements in the performance of the students and employees who occupy our building.

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

"Becoming a LEED AP was the culmination of years of environmental advocacy in the design community. Since then, it has allowed me to explore new avenues of design projects, and to provide leadership to clients, colleagues and the community. I believe LEED allows design teams to be more creative and cohesive because of the benefits of early project decision-making. It also makes design more fun!"

- Jill M. Watkins, IIDA, LEED AP

"I became a LEED Accredited Professional in order to have a greater influence on sustainable design. I believe that a truly sustainable design requires the building systems to be integrated into the design of the building. Being a LEED AP has allowed me to become much more involved at earlier stages in our projects, greatly enhancing the integrated design process"

- John A. Pruett, PE, LEED AP

"I have been interested in sustainable design since learning about it while studying architecture and indigenous building techniques in the 1970's. I have continued my interest in sustainable design while designing various passive solar buildings. Becoming a LEED AP is a natural continuation in my interest in green building."

- Hank Walker, AIA, LEED AP

"I became a LEED Accredited Professional as a step in enabling and preparing myself for the design requirements of today, and certainly, the future. I believe that the continued and increased practice of sustainable design and living will be that bridge between losing an irreplaceable environmental health and flourishing in a world that is still unfolding."

- Mark T. Epling, AIA, NCARB, LEED AP

LEED EXPERIENCE

ZMM

At ZMM, we believe that sustainable design is just good design. We are leaders in West Virginia through our projects and our sharing of knowledge:

First green secondary school in West Virginia – Lincoln County Comprehensive High School
First green higher education project in West Virginia – Erma Byrd Center for Higher Education
Sustainable design partnerships with and LEED presentations for:

- The Clay Center
- Natural Capital Investment Fund
- West Virginia Department of Education
- West Virginia School Building Authority
- West Virginia Association of School Administrators
- West Virginia Department of Environmental Protection
- Habitat for Humanity of Kanawha and Putnam County
- Kanawha County Solid Waste Authority
- Half Moon Seminars
- Travel Green Appalachia

Current LEED Registered projects:

State of West Virginia Office Buildings #5, 6 and 7
These 3 existing office buildings, comprising nearly 500,000 square feet of space are in need of extensive upgrades to improve life safety and environmental safety of employees. Interior renovations will also significantly improve workers' morale and productivity. The project is registered under LEED-NC v2.2.
Highlights include:

- Recycling of all existing demountable partition systems plus construction waste management
- New Energy Star roofs reduce heat island effect
- Low flow fixtures and dual-flush toilets to reduce water use
- New windows and central HVAC system will reduce energy consumption
- Significant indoor air quality improvements
- 95% of all office furniture is Cradle-to-Cradle Certified and Greenguard Certified

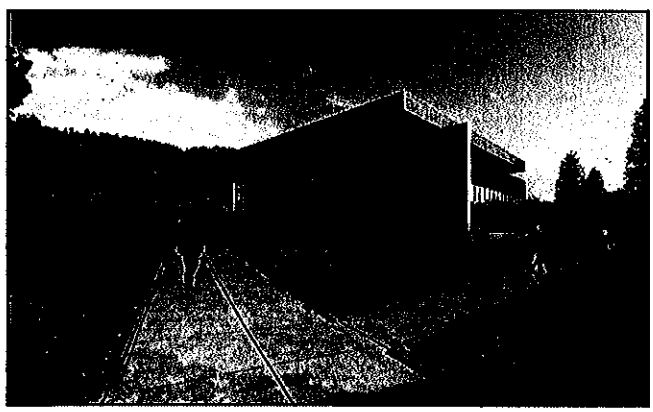
LEED EXPERIENCE

ZMM

West Virginia Army National Guard Joint Interagency Training and Education Center

This 230,000 square foot project at Camp Dawson in Kingwood, West Virginia is registered under LEED-NC v2.2. Program elements incorporate an operations training and simulation center for the National Guard Bureau, homeland defense and training offices, classroom spaces and a billeting (hotel) component. While the project and existing site is complex in nature, the project expects to achieve LEED Silver. Highlights include:

- Stormwater reduction measures (vegetative roof, bioswales, etc.)
- Low flow fixtures, waterless urinals and dual-flush toilets to reduce water use
- Enhanced commissioning
- Highly efficient HVAC systems
- Construction waste management
- Increased use of local materials
- Increased indoor air quality measures



West Virginia Army National Guard Ripley Armed Forces Reserve Center, Jackson County

At 63,000 square feet, this new reserve center gets its inspiration from a Georgian-style house that sits on the site. Registered under LEED-NC v2.2, sustainable design highlights include:

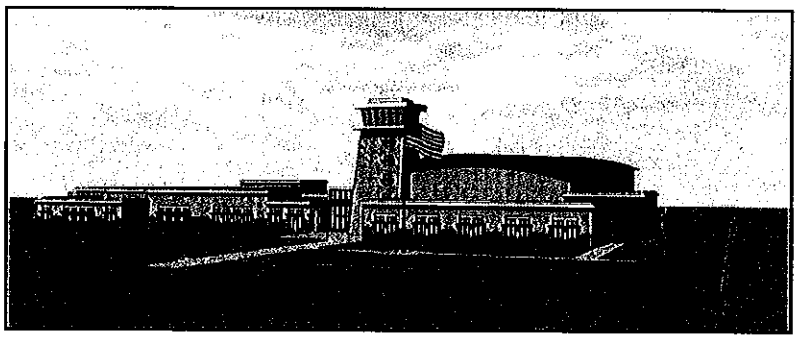
- Stormwater – reduced quantity and increased quality measures
- Low flow fixtures, waterless urinals and dual-flush toilets to reduce water use
- Vertical and horizontal exterior sunshades plus superior glazing
- Highly efficient HVAC system
- Construction waste management
- Increased use of local materials
- Increased indoor air quality measures

LEED EXPERIENCE

ZMM

West Virginia Army National Guard Morgantown Readiness Center
At almost 70,000 square feet, this new readiness center will serve as a gateway to the Joint Interagency Training and Education Center at Camp Dawson. Registered under LEED-NC v2.2, sustainable design highlights include:

- Stormwater – reduced quantity and increased quality measures
- Heat island effect reduction
- Low flow fixtures, waterless urinals and dual-flush toilets to reduce water use
- Highly efficient HVAC system
- Increased use of local materials
- Construction waste management
- Increased acoustical performance



We also anticipate having 4 additional LEED Registered projects within the next 3 months.

In addition to the above, ZMM's Sustainability Coordinator, Jill Watkins, has nearly 15 years of experience with sustainable design and LEED, including significant contributions to:

- New Federal Courthouse, Youngstown, Ohio – the first courthouse in the U.S. and the first building in Ohio to become LEED Certified
- Cleveland State University New Recreation Center – LEED Consultant – project is LEED Certified
- Procter & Gamble / Gillette Headquarters – Boston Green Building Standards required strict adherence to LEED-NC – Anticipated LEED credits and sustainable design features led to P&G's green building standards for all U.S. facilities
- Cubellis, Inc., Boston, Massachusetts – LEED-CI Gold Registered
- Raytheon, Waltham, Massachusetts – LEED-CI Gold Registered

Award Winning Design

ZMM

2010

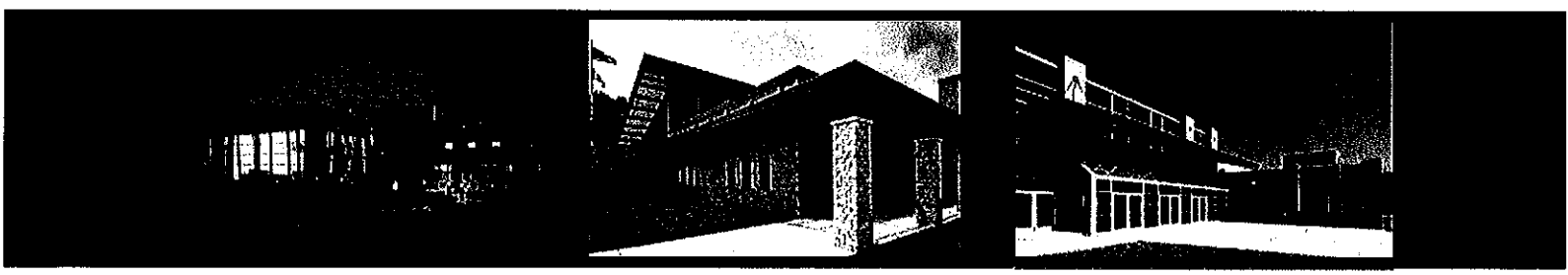
Hacker Valley PK-8 School
Hacker Valley, WV
2010 - Honor Award
"Excellence in Architecture"
AIA West Virginia Chapter

2009

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

2008

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



2007

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

2006

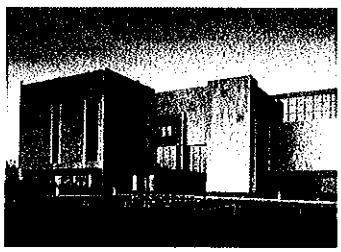
Gene Spadaro
Juvenile Center
Mount Hope, WV
2006 - Merit Award
"Achievement in Architecture"
AIA West Virginia Chapter

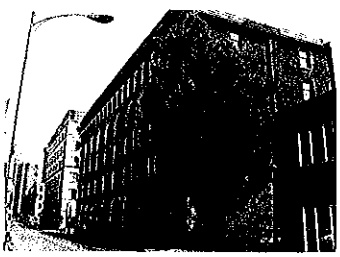
2004

St. Albans High School
St. Albans, WV
2004 - Impact in Learning Award
"Effective Transformation"
Education Design Showcase
"Outstanding Building Design"
American School & University
"Outstanding Building Design"

Additional Award Winning Design

ZMM





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

RFQ No. DEFK 11007

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

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

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

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

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

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: ZMM, Inc.

Authorized Signature: [signature] Date: 19 Aug 2010

State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 19th day of August, 2010.

My Commission expires 10-6, 2018.

AFFIX SEAL HERE

NOTARY PUBLIC Lisa E. Bowles

OFFICIAL SEAL
STATE OF WEST VIRGINIA
NOTARY PUBLIC
Lisa E. Bowles
ZMM, Inc.
222 Lee St., W.
Charleston, WV 25302
My Commission Expires October 6, 2018