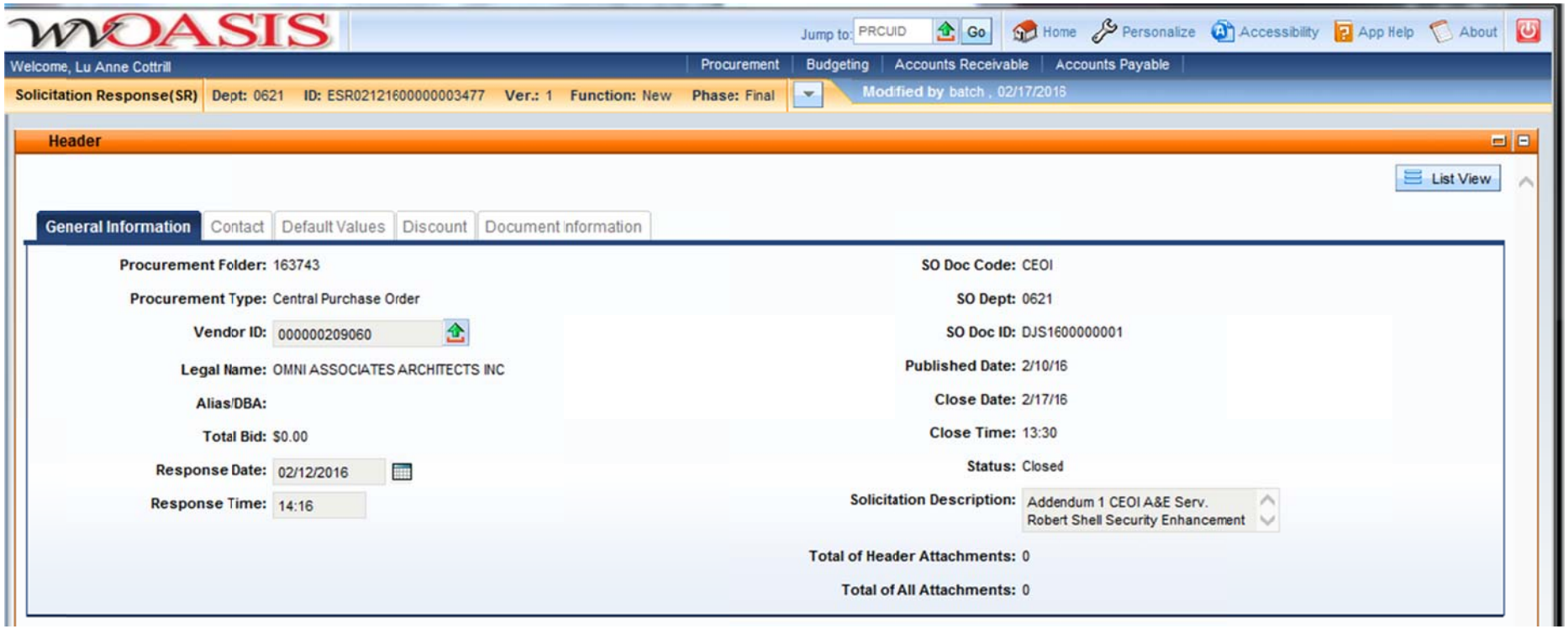
The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.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Budgeting
Accounts Receivable
Accounts Payable
Solicitation Response(SR) Dept: 0621 ID: ESR02121600000003477 Ver.: 1 Function: New Phase: Final
Modified by batch , 02/17/2016
Header
List View
General Information
Contact
Default Values
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Document information
Procurement Folder: 163743
Procurement Type: Central Purchase Order
Vendor ID: 000000209060
Legal Name: OMNI ASSOCIATES ARCHITECTS INC
Alias/DBA:
Total Bid: $0.00
Response Date: 02/12/2016
Response Time: 14:16
SO Doc Code: CEOI
SO Dept: 0621
SO Doc ID: DJS1600000001
Published Date: 2/10/16
Close Date: 2/17/16
Close Time: 13:30
Status: Closed
Solicitation Description: Addendum 1 CEOI A&E Serv.
Robert Shell Security Enhancement
Total of Header Attachments: 0
Total of All Attachments: 0

Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

State of West Virginia
Solicitation Response

Proc Folder : 163743

Solicitation Description : Addendum 1 CEOI A&E Serv. Robert Shell Security Enhancement

Proc Type : Central Purchase Order

Date issued	Solicitation Closes	Solicitation No	Version
	2016-02-17 13:30:00	SR 0621 ESR02121600000003477	1

VENDOR

000000209060

OMNI ASSOCIATES ARCHITECTS INC

FOR INFORMATION CONTACT THE BUYER

Crystal Rink

(304) 558-2402
crystal.g.rink@wv.gov

Signature X **FEIN #** **DATE**

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	A&E Services for security enhancements at Robert Shell JC				

Comm Code	Manufacturer	Specification	Model #
81101508			

Extended Description : A&E Services for security enhancements at Robert Shell Juvenile Center.To enhance the physical security at the Robert Shell Juvenile Center by adding security cell doors, locks, sally ports and fencing upgrades.

Omni Associates - Architects

February 11, 2015

Department of Administration, Purchasing Division
Attn: Crystal Rink
2019 Washington Street East
Charleston, WV 25305-0130

Solicitation No. CEOI DJS1600000001
Security Enhancements for Robert Shell Juvenile Center

Dear Ms. Rink:

On behalf of Omni Associates – Architects, I would like to thank you for the opportunity to submit our team's proposal for professional architectural and engineering services. Omni has an impressive record of success in devising demolition and construction plans for facilities while they are in operation. Whether it is a new school being built in tight proximity to an existing schools or renovations and additions to existing medical facilities, Omni understands that the safety of the facility's users must remain paramount, and we have the expertise to ensure that construction services do not disrupt daily operations.

Our firm's experience with secure facilities includes architectural management assistance for the Federal Correction Institution, Gilmer, a medium security federal prison located in Glenville, West Virginia, as well as full architectural and engineering design and construction observation services for the West Virginia Army National Guard.

I will serve as Principal-in-Charge and Project Architect for this project. My personal experience with designing for secure facilities began with the design and construction of the United States Penitentiary Administrative Maximum Facility (ADX) for the Federal Bureau of Prisons in Florence, Colorado. I subsequently worked with the Corrections Corporation of America (CCA), a leader in partnership corrections with the design and construction of the Central Arizona Detention Facility in Florence, Arizona and the Southern Nevada Women's Correctional Center in North Las Vegas, Nevada. More information about these projects can be found on page 4 of the enclosed Statement of Qualifications.

We have specifically selected our consultants based upon the requirements of your request for qualifications. **Omni Associates** will provide architectural services and serve as the lead firm and coordinator of architectural and engineering services and **H.F. Lenz Company** will perform structural, mechanical, electrical, and plumbing engineering services. **Stonewall Safety and Fire Safety Consulting** will conduct code research and provide plan compliance reviews.

We would greatly enjoy the opportunity to meet with you and the selection committee to discuss in greater detail how our professional experience can benefit the Division of Juvenile Services.

Sincerely,

OMNI ASSOCIATES-ARCHITECTS, INC.

Edward A. Luthy, AIA NCARB
Principal

Omni Associates - Architects, Inc.
1543 Fairmont Avenue - Suite 201 • Fairmont, WV 26554
Voice: 304.367.1417 • Facsimile 304.367.1418

omniassociates.com
info@omniassociates.com

CERTIFICATIONAND SIGNATURE PAGE

By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Omni Associates - Architects, Inc.
(Company)

(Authorized Signature) (Representative Name, Title)

(304-367-1417) (304-367-1418) 2/10/2016
(Phone Number) (Fax Number) (Date)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEIO DJS1600000001

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

☑ Addendum No. 1	☐ Addendum No. 6
☐ Addendum No. 2	☐ Addendum No. 7
☐ Addendum No. 3	☐ Addendum No. 8
☐ Addendum No. 4	☐ Addendum No. 9
☐ Addendum No. 5	☐ Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Omni Associates - Architects, Inc.
Company

Authorized Signature

2/10/2016
Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.

RFQ No. DJS1600000001

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, 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: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. 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.

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.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"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.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (*W. Va. Code* §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Omni Associates - Architects, Inc.

Authorized Signature: _____ Date: 02/10/2016

State of West Virginia

County of Marion, to-wit:

Taken, subscribed, and sworn to before me this 10 day of February, 2016.

My Commission expires February 9, 2021.

AFFIX SEAL HERE

NOTARY PUBLIC _____

West Virginia Division of Juvenile Services
Security Enhancements for Robert Shell Juvenile Center

Statement of Qualifications

Omni Associates – Architects, Inc.
1543 Fairmont Avenue, Suite 201
Fairmont, West Virginia 26554

Voice.304.367.1417
Facsimile.304.367.1418
Email: info@omniassociates.com
www.omniassociates.com

Table of Contents

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General Qualifications

OMNI ASSOCIATES - ARCHITECTS is an award-winning architectural firm located in Fairmont, West Virginia. Our excellent reputation and superior work product are a direct result of mutual respect and effective communication with our clients and consultants, which enables our staff to provide outstanding architectural and engineering design services for our clients.

Since our inception in 1980, OMNI has earned recognition in the programming, planning, and design of a variety of facility types, including K-12 schools, higher education facilities, office buildings, recreational facilities, religious facilities, health care, military, and multipurpose facilities.

Our approach to design has allowed us to avoid the confines of specialization and afforded us the opportunity to create a diverse body of work. Each project is a unique undertaking that begins with analyzing the needs and desires of the client and interpreting them into a distinctive design that meets specific needs and exceeds expectations.

Omni has a successful history of designing intimately with each client and working out collaborative solutions that meet the goals of the project, resulting in an impressive record of customer satisfaction. We are a proven team that listens, provides professionalism and attention to detail, and produces a quality product. These are qualities that draw our clients back, resulting in lasting relationships. That's why we enjoy a repeat client rate of more than 90% - a source of considerable pride.

Omni Associates – Architects' design team has developed designs for numerous projects which must comply with State and Federal regulations. Such projects include working with the following Agencies: Federal General Services Administration (GSA); WV General Services Administration; Corps of Engineers; National Guard Bureau; Federal Aviation Administration; Department of the Navy, Federal EDA; WV EDA; HUD, and the WV School Building Authority (SBA).

Our work has involved a variety of funding sources including the WV Development Office – Small Cities Block Grants, State Revolving Fund Loan, Rural Economic and Community Development Administration (Farmers Home Administration), WV Division of Environmental Protection – Construction Grants Branch, US Department of Commerce-Economic Development Administration, Water Development Authority, West Virginia Infrastructure and Jobs Development Council, and Appalachian Regional Commission, either individually or in combination.

Omni Associates provides clients with the results they value most: innovative designs consistent with the building program, cost effective designs which meet the budget, and efficient project management to provide on-time deliverables. We're confident in our expertise, and our clients are confident in our reputation for superior services.

Omni Associates—Architects, Inc.
1543 Fairmont Avenue
Suite 201
Fairmont, WV 26554
304.367.1417 (voice)
304.367.1418 (fax)
info@omniassociates.com
www.omniassociates.com

OWNERSHIP
Professional Corporation

HISTORY
Established in 1980

SENIOR PERSONNEL

Stephen A. Barnum AIA, NCARB
Senior Principal

Richard T. Forren AIA, NCARB
Principal

John R. Sausen AIA, NCARB, LEED AP
Principal

David A. Stephenson
Principal

Edward A. Luthy AIA, NCARB
Principal

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Omni Associates - Architects provides comprehensive, in-depth professional architectural services for new construction, renovation, addition, and adaptive reuse utilizing a variety of delivery methods to best serve our clients' needs.

Design-Bid-Build Delivery Method
Omni has performed private and public projects of every building type using this traditional method of project delivery. We organize your entire project in advance of bidding and work extensively with you to achieve alternates to program goals. Construction documents are prepared and bid to multiple general contractors to achieve competitive pricing. Omni has successfully negotiated with contractors to maintain changes and costs to a minimum and still achieve the initial time schedule.

Omni has also worked on "fast-track" and "multiple-prime" contract projects to achieve an accelerated building construction time schedule. As a variation of the traditional design-bid-build delivery, the negotiated select team approach allows for selection of a contractor early in the design process. We prepare construction drawings in stages and bid these "parts" of the total building program so construction can be on going as the next phase is programmed and designed. We have worked with General Contractors, Construction Managers and multiple prime subcontractors to successfully complete this type of project delivery.

Design-Build Delivery Method
More and more owners and developers are seeking a simpler delivery style with a single point of responsibility for both design and construction. Under design-build, a consolidated entity provides both design and construction services to the owner. A single contract is established between the owner and the architect–contractor or design-builder. Omni has experience with both scenarios and has contracted with owners and with general contractors to achieve this streamlined method of project delivery.

Construction Administration
Omni has worked on projects for only the construction phase of the total building life. This would include projects designed by another firm who needs local supervision or a "pre-designed" project from a national restaurant or store, which requires local implementation. Omni has also performed bank or financing inspections to determine the completion status of the project for periodic applications for payment.

Omni Associates—Architects

Conceptual Design & Planning

Master Planning

Program Development

Renderings

Cost Estimation

Schematic Design

Design Development

Construction Document Development

Bidding & Negotiating

Construction Administration

Post-Contract Services

Facility Management Services

Feasibility Studies

Legal Consultation

Historical Restoration

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Omni Associates provided Architectural Management Assistance for **Federal Correction Institution Gilmer**, a mid-rise campus located in Glenville, West Virginia, consisting of medium security facility housing male offenders with an adjacent satellite prison camp housing minimum security male inmates with a total of 1,712 beds. The $105 Million project included 602,474 gross square feet. Omni also provided site environment permit requirements and review, construction documents/quality control review, and construction administration.

Omni's experience with the **West Virginia Army National Guard** includes the design and construction of three readiness centers and one maintenance facility. These projects have provided us with extensive experience in the design and construction of projects with highly specialized operational, security, and functional requirements, including mechanical and electrical equipments with emergency power generator backup. These facilities require detailed security plans and the installation of all physical security structures and electronic security equipment.

Edward A. Luthy AIA, NCARB
Principal and Project Architect

With Mr. Luthy's unique experience for a West Virginia architect, Omni Associates- Architects hopes to provide the professional services required by the State of West Virginia and the West Virginia Regional Jail Authority.

"Ned" Luthy's correctional experience started with the design and construction of the **United States Penitentiary, Administrative Maximum Facility (ADX)** for the Federal Bureau of Prisons in Florence, Colorado. Providing Design, Documentation and Construction Administration for this Design-Bid-Build $60 million project, Ned was involved day to day with the design, construction documents and construction administration of the first federal institution specifically designed to house the most dangerous, violent, and escape-prone inmates.

The design team was challenged to present an image appropriate and conducive to the local architecture while meeting the extensive program and highest security parameters set by the Federal Bureau of Prisons. The 575 bed facility was divided into six varying levels of security. Support services such as visitation, administration, health services, educational program areas, chapel, and a gymnasium as well as personal services of the commissary are accessible based on the inmates' security classifications.

Mr. Luthy subsequently worked with the Corrections Corporation of America (CCA), a leader in partnership corrections with the design and construction of the **Central Arizona Detention Facility** in Florence, Arizona and the **Southern Nevada Women's Correctional Center** in North Las Vegas, Nevada.

- The Central Arizona Detention Project was an existing facility that saw additions of (5) 256 bed housing pods, administrative detention and segregation cell ranges, kitchen, infrastructure improvements, vehicular sally ports, and the addition of various storage facilities. Projects were delivered in a design - build format and the facility was under constant addition and renovation for 3 years. As Project Manager and Construction Administrator, Mr. Luthy maintained project control and information flow with weekly site inspection reports, RFI responses, and coordination with local review agencies.
- The Southern Nevada Women's Correctional Center (renamed Florence McClure) was a new facility that opened in 1997 with a capacity of 950 beds. The facility was designed as a lease to own facility and was therefore required to meet the requirements of the State Department of Corrections. Construction of the facility included the installation of a 5 mile, 36-inch water main. As Project Manager and Architect, Mr. Luthy directed in-house staff and coordinated consultants and document production. Familiarity with the building type proved an invaluable asset as the local trades did not possess the advantage of experience. Close scrutiny of all building systems at all phases of construction was crucial.

H.F. Lenz Company has extensive experience with correctional facilities. Their team of MEP, structural and civil engineers are thoroughly familiar with recent correctional trends, and they understand the issues involved in designing building systems for criminal justice facilities. Their project examples are included as an addendum to this Statement of Qualifications.

Understanding of Unique Requirements

The primary mission of the WVRJA is to provide effective, beneficial services to youth in the Juvenile Justice System while preserving community safety. Podular design provides maximum security with minimum staffing through the use of correctional technologies including electronic security controls with provisions for central control of areas in the event of an emergency.

Efficiency is paramount in all design issues associated with correctional design and construction. In facilities with multiple security classifications, efficiency is increased through the sharing of services Podular design can accommodate variable housing assignments related to inmate population's pre-trial or sentences status, security classification, or gender. Emergency preparedness is enhanced by having additional resources within close proximity.

Line of sight is the most important design parameter in correctional projects. Control rooms in the pods need to maintain visual connections with all areas of each dayroom, housing range and restroom facility. Outdoor recreation areas need to maintain 100% visual observation. With well preserved line-of-sight arrangements, staff efficiency and security can be maintained.

The secondary mission is to promote positive development and accountability and sustain a work environment predicated upon principles of professionalism, dignity, and respect. In order to do so, accommodations must be made and maintained for the following:

- Work and educational programs;
- Resource and Reading Libraries;
- Multipurpose spaces that can serve as indoor recreations space as well as emergency holding areas;
- Contact and non-contact visitation areas.

The design team must also consider the following:

- Movement within an existing facility is slow and can put staff, residents, and the design professionals at risk. Study of existing conditions must be done thoroughly and efficiently from the onset of the effort.

- The needs of correctional officers, administrative and support staff, medical care, food service, counselors, educational personnel, taking into account the 24 hour nature of the facility.

- Public dollars are stretched as the public mandate for programs, the need for staff and resident safety, and the aging infrastructure grows each year. The architectural firm that provides the designs for these type projects must understand the mission critical nature of all programs.

Understanding of MEP Requirements

The design of effective, efficient mechanical and electrical systems has become increasingly complex and demanding. With so many systems from which to choose, all with distinct advantages and disadvantages, selecting the best possible system can be quite daunting. The design team must carefully consider how system alternatives best meet the immediate and long-term needs of the Owner and building occupants, as well as regulatory agencies. Inappropriate, outdated, or misapplied systems result in comfort complaints, indoor air quality issues, control problems, and exorbitant utility costs.

Planning

The goal of the Planning Phase of any project is to identify the MEP/FP scope of work for the project. For renovation projects, our evaluation involves the visual inspection of existing conditions by a team of engineers. An assessment report, including a description of the present systems, evaluation of existing conditions and defects, recommendations, and an estimate of budget/cost implications is provided to assist in the decision-making process. We then develop a list of applicable options that can be considered.

For WVRJA, infrastructure needs must be identified from the programming stage to maintain cost control and inform design decisions. Additional beds mean water, sewer, electrical, HVAC and life safety equipment extension, or additions. These are not unique to correctional facilities but their impact on budget is generally more significant that other projects.

In the Schematic Phase, coordinated discussions of all building disciplines allow for the exploration of all potential solutions in a parallel manner instead of a linear basis where a decision made without input from other disciplines is allowed to affect all future discussions and decisions. We facilitate these discussions by developing a “shortlist” of applicable options prior to the initial meetings.

Design and Development

Following determination of the project’s scope of work, our experienced engineers and designers perform design calculations, review applicable codes and prepare construction drawings and specifications to allow the project to be competitively bid. The construction documents must be consistent with the project program, the construction budget, and the project schedule. Each site will have a large component of engineering issues and an architect that can lead the engineering team is what you will find with Omni Associates – Architects.

Construction

Omni Associates performs construction administration including shop drawing review and site visits to observe electrical systems compliance with drawings and specifications. We believe the involvement of the design engineer during this phase allows for verification that the designed systems are installed as specified, thereby reducing occupant complaints and improving energy efficiency.

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ARCHITECTS

Management and Staffing Capabilities

Omni Associates - Architects firmly believes that the best gauge in determining our performance and abilities is the quality of the personnel of which we are comprised. Omni's greatest resource is our professional staff of dedicated, experienced, and creative individuals.

Our skilled team includes **7 registered architects**, intern architects, project managers, computer-aided design specialists, an interior designer and knowledgeable administrative support staff. Their quality, expertise, and dedication integrate to produce the solid foundation upon which Omni has built its reputation.

OMNI organizes its staff into several teams or "studios." A specific project team is established for each commission. Studio resources are combined for larger projects. Younger staff members bring a fresh perspective and gain valuable knowledge under the guidance of more experienced staff. Utilizing this approach, we are able provide the human resources required for all types of projects, including large and complex projects.

The project team, including the principal-in-charge, actively participates in the project from start to finish. The same professionals who develop an understanding of your needs in programming generate design alternatives, oversee the production of construction documents, and implement the concepts during construction. The consistency afforded by this approach is a benefit to OMNI and you.

In reality, the OMNI project team goes beyond our in-house staff. It includes consultants, client representatives, owners, and a construction manager, as required. It is the mutual respect of each team member's skills and perspectives that enables the design process to conclude with a successful project of which we all can be proud.

Throughout our years of experience, we have worked with a variety of consultants specializing in structural engineering, civil engineering, mechanical and electrical engineering, and other disciplines as each project dictated. You can be assured that the consultants we select for your project are selected for their particular and relevant expertise as well as their superior work ethic. In short, we carefully staff the design team, including in-house professionals and outside consultants, with the type of personnel we would want working for us to work for you

Your "Request for Proposal" could not have come at a more opportune time. The majority of our design work is coming to fruition as several major projects have commenced construction. Observing the materialization of a design is immensely satisfying, but our team is eager to begin a new project and would be especially excited to assist the West Virginia Division of Juvenile Services in improving security at the Robert Shell Juvenile Center.

Omni Associates -Architects, Inc.

Omni Associates has successful project experience throughout the East Coast of the United States. Our architects are licensed in the following states:

Florida
Kentucky
Maryland
New Jersey
New York
North Carolina
Ohio
Pennsylvania
South Carolina
Virginia
West Virginia

Firm Memberships:

American Institute of Architects
U.S. Green Building Council
West Virginia High Technology Consortium
Marion County Chamber of Commerce

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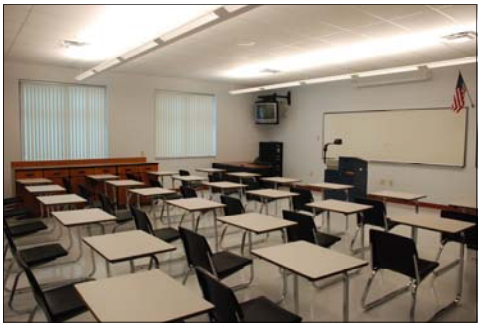
Proposed Project Team

Omni Associates – Architects carefully selects its project team based on each member's ability to add directly-related experience, ensuring our ability to meet the specific challenges and goals of each client. It is these sensitivities that have dictated the creation of this team to include **Omni Associates - Architects, H.F. Lenz Company, and Stonewall Safety and Fire Safety Consulting.**



Omni Associates – Architects, Inc.

Omni Associates – Architects, Inc. Omni will serve as the lead firm and coordinator of architectural and engineering services. We will provide the link to all communications with regard to interdisciplinary reviews, sub-consultant and contractor coordination, and state agency review and inspections, and will act as the control point to ensure that the Owner's goals and requirements are met. This is critical as project goals evolve throughout the design and construction process as new information is gained. It further ensures that operation and maintenance issues are incorporated into the design documents.

We believe that our variety of work, which includes a number of facilities studies and master plans, sets us apart as the best qualified architectural firm for your project.

Edward A. Luthy AIA, NCARB
Principal and Project Architect

Edward "Ned" Luthy is a Principal Architect at Omni Associates. With over 25 years spent in the practice of architecture, his career includes has eight years of direct experience with correctional projects as Project Architect and Project Manger while employed with a nationally recognized specialty architecture firm.

Mr. Luthy received his Bachelor of Architecture degree from the University of Arizona in 1986. He spent 12 years working in Arizona with The DLR Group, a nationwide architectural firm. After relocating to Oregon, Ned spent over 7 years in a sole proprietor firm with a staff of five that provided him with opportunities to perform all duties associated with architectural practice. After moving to and practicing in Idaho for a brief period of time, Ned came to West Virginia in April 2008 and joined Omni Associates – Architects.

As a Principal-in-Charge and Project Architect, Mr. Luthy's primary responsibility is to develop the overall concept of design by performing technical tasks which include: Project space programming; Schematic layout of functional spaces; Aesthetic design and development; Concept and coordination of building systems such as mechanical, electrical, plumbing and fire protection; Preparation of bidding documents and material specifications; Project management and Construction administration. These tasks are performed for a wide range of commercial projects that include master planning, land development, building construction and tenant build-out.

Edward “Ned” Luthy AIA

PROJECT ASSIGNMENT
Principal-in-Charge

EDUCATION
Bachelor of Architecture
University of Arizona, 1986

REGISTRATION / PROFESSIONAL AFFILIATIONS
American Institute of Architects, Member
American Institute of Architects—West Virginia, Member
U.S. Green Building Council, Firm Membership
Associated Builders and Contractors Inc., Firm Membership
Fairmont Community Development Partnership, President
Registered in West Virginia

GENERAL EXPERIENCE
- Joined Omni Associates in 2008.
- Named Senior Associate in November 2009.
- Principal-in-Charge of design and construction since May 2011.
- Responsible for coordinating and designing all aspects of a project from programming through construction administration and project close-out for projects valued up to $35 million.
- Experienced project architect with strong construction administration capabilities.
- An adept and flexible team member performing as designer, drafter, specifier, estimator, and administrator with experience in a variety of project delivery methods.

RELATED EXPERIENCE
- Practiced architecture for over 20 years throughout the Southwestern and Northwestern United States before moving to Morgantown, West Virginia.
- Ned’s past experience includes several years spent with a sole proprietor architectural firm, which provided him with opportunities to perform all duties associated with an architectural practice.
- 12 years experience with a large, nationwide architectural/engineering firm allowed Ned to acquire progressive responsibilities and achieve promotions from intern through senior associate.
- Current President of Fairmont Community Development Partnership, a 501(c)3 nonprofit corporation dedicated to stabilizing and revitalizing Fairmont’s neighborhoods.

Select Project Experience

Omni Associates-Architects
- Confidential Federal Agency Data Center
  Eastern United States
- State of West Virginia Office Complex, *Fairmont, WV*
- Mon Power Regional Headquarters
  Fairmont, WV
- Kanawha Valley Community and Technical College Renovations
  Charleston, WV
- Shaft Drillers International HQ
  Mount Morris, PA
- Canaan Valley Institute
  Davis, WV

With Alderson Karst & Mitro Architects
***Idaho Falls, Idaho*:**
- New Teton Toyota Dealership
- Office Buildings at Snake River Landing

With Sargent Architects
***Hermiston, Oregon*:**
- Stafford Hansell Government Center
- East Oregonian Newspaper
- Our Lady of Angels Catholic Church
- New City Hall and Library
- New Intermediate School
- Cove High School Classroom Additions and Renovation
- Windy River Elementary School Classroom Additions
- Professional/Technical Education Building
- Umatilla County Public Health Building
- Eastern Oregon University, Addition to Quinn Coliseum
- Umatilla County Courthouse Masterplan and Renovation
- Pendleton Round-Up Stadium Renovation Masterplan

Stonewall Safety & Fire Safety Consulting, LLC
Life Safety and Fire Safety Code Compliance

Providing Safety training and accident investigations, Authorized OSHA 10 & 30 Hour Training for Construction, Fire Code consulting including inspections and plans review, NFPA Certified Fire Inspector II, NFPA Certified Fire Plans Examiner. Offering inspection of structures for fire code compliance and recommendations for renovations and additions. Review design plans for code compliance and code analysis.

More information about our consultants, including resumes and project examples, can be found in the sections following this proposal.

Owner and President A. Edsel Smith spent nearly 15 years in the WV State Fire Marshal's office, retiring as an Assistant State Fire Marshal III. His duties there included reviewing complex building and site plans for fire code compliance and conducting fire safety inspections. Now, as a design consultant, Mr. Smith reviews relevant safety codes and provides compliance solutions from schematic design through the completion of construction documents. His services save architects and engineers valuable time that might otherwise be spent in extensive code review or in making revisions to plans at the request of the State Fire Marshal.

H.F. Lenz Company
Structural Engineering
Mechanical, Electrical and Plumbing Engineering

H.F. Lenz Company is a Pennsylvania-based firm offering a full range of engineering services for building systems, infrastructure, and industry. Their projects span the nation, with the heaviest construction in the Northeast, and exceed $300 million in MEP construction annually. Each market sector—corporate, government, health care, education, and industry—is served by a team of specialists who understand the unique needs of the client.

H.F. Lenz Company is organized into several multi-discipline design teams that are dedicated to specific market types or project types. Our leadership and management philosophy provides control of all design and administrative activities by the Principal-in-Charge (PIC), whose talents and experience are matched to the needs of the Client. The PIC provides leadership and client contact, and commits the resources required for excellence in the project. Each team has the necessary resources and multi-discipline staff—HVAC, electrical, plumbing, and fire protection/life safety—to successfully complete both small and large projects. Our clients benefit from this approach since the team is focused, experienced, and dedicated to one type of project **— the client's project.**

We believe the most successful projects are those in which the Owner, Construction Manager, Contractor, Architect, Engineer, and other Project Consultants recognize each other's assets. This collaborative environment draws upon the collective intelligence of the entire project team, while supporting the Owner's values and corporate culture.

The H.F. Lenz Company currently employs 175 people between our three office locations, this includes 44 Professional Engineers registered in a total of all 50 states and the District of Columbia, and 19 LEED® Accredited Professionals.

Technical Expertise

BIM: Building Information Modeling

Omni is committed to continually upgrading existing technology and driving the evolution of design tools. This commitment springs from the firm belief that the responsible use of technology facilitates innovative design, results in economic benefits for our clients, and assists in efficient communication with clients and consultants.

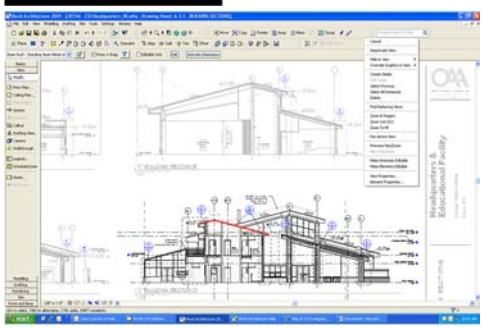
In 2006, Omni Associates began the transition from traditional CAD software to Autodesk® Revit® Building Information Modeling (BIM). We immediately recognized the basic benefits to both designers and owners: more efficient, cost-effective project delivery and an accurate building model that can later assist in energy analysis and building management.

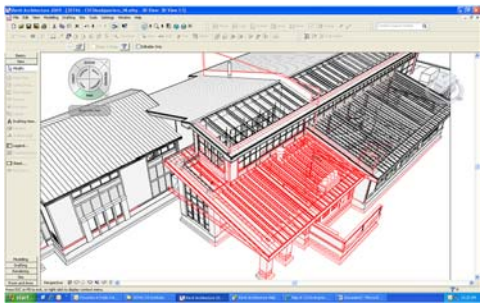
Omni implemented the use of BIM as our primary software platform for all projects in 2006. In utilizing BIM, we discovered the real depth of its value:

- With a virtual model of the building, clients can clearly see the design intent as the project progresses and design options can be explored with greater ease than ever before.
- Sharing the model among all disciplines as the design progresses allows early input from all of the design professionals involved, resulting in efficient designs.
- Creating a building in the virtual world before constructing it in the "real" world allows the design team to anticipate conflicts and objections before they arise, eliminating many issues which could result in project change orders or Requests For Information from the contractor.

Omni is proud to show that we don't just use Revit software, but we are adept at using it and can provide skilled support as needed. Omni staff member Reuben Losh is now an Autodesk Revit Architecture 2011 Certified Associate. Mr. Losh plans to test soon for the next level of certification, Autodesk Revit Architecture 2011 Certified Professional.

Obviously, using the latest computer software does not guarantee good design. Good design is built upon having a complete understanding of the client's needs and the knowledge & experience to create a space which addresses those needs in an elegant and practical manner. We see BIM as an advanced tool in making that goal a reality for each project that we undertake.





Electronic Submission of Project Documents

Since 2007, Omni has utilized a web-based solution for secure file storage and project team collaboration. The site employs a simple and intuitive interface, similar to social networking sites, that is much easier to navigate than an FTP site. This encourages communication among team members while leveraging the security of data encryption and controlled access.

This tool supports building information modeling (BIM) workflows and can be used throughout all phases of a project for such tasks as file storage, RFI and Shop Drawing management, and project milestone tracking. Since these processes are electronic, the time it would take to mail or fax documents is eliminated and project information is centralized. Project information is hosted on secure third-party servers, which means that it is available to team members from wherever they have internet access. The Owner and Architect work together to determine to whom and to what extent site access is given.

Case Study

Prior to its merger with First Energy, Allegheny Energy selected Omni Associates – Architects via a competitive selection process to provide all Architectural and Engineering services for its new transmission operations headquarters in Fairmont, West Virginia. Close communication was a critical part of this fast-track project with an aggressive design and construction schedule. Midway through the design process, the design team learned that the specialized technology for the building had advanced, prompting quick redesign work. The necessary changes could have greatly slowed progress, but because the design team was already utilizing collaborative tools such as building information modeling (BIM), electronic submission of project documents, and virtual meetings, impact on the project timeline was minimal.

Time and Budget

Omni has always provided timely performance on many aggressive schedules as well as funding constraints. We have successfully negotiated with contractors to keep change orders and costs at a minimum and achieve the initial time schedule.

All of our clients, whether public or private, are constrained by tight, fixed budgets, vulnerable to escalating construction costs and restricted by challenging schedules. Successful value engineering does not occur at the end of the project, but is integrated throughout the design phases. We avoid change orders during construction by value engineering from the inception of the project to make sure that our client's expectations are met and that budget, program and design are all reconciled with one another. Our team will employ flexible cost management techniques that include five essential components:

- Continuous value engineering in each stage of design and beginning with the earliest phases of planning.
- Preparation of formal independent construction cost estimates prepared by a professional estimator and/or by a construction manager.
- Reconciliation of design, program and budget based on the estimates before proceeding to the next project phase.
- Quality control and coordination of architecture with engineering and other disciplines to reduce the amount of changes required during construction.
- Application of appropriate contingences and allowances during design to facilitate design evolution with each phase and in construction to cover inevitable unforeseen circumstances.

Cost Estimating

We take pride in our approach to solving our client's aesthetic goals while meeting budgetary constraints. Omni utilizes several methods of cost estimating to provide reliable cost of construction estimates for various construction types.

- Historical data from previous projects
- Construction-estimating periodicals such as *Means Square Foot Costs*
- Consultation with leading construction firms in the project region
- Professional cost estimators who evaluate a set of specifications and/or progress prints provided by our firm to determine estimated construction costs based on the project's specific location. For this project, cost estimation will be performed by **Blundall Associates**, a construction cost consulting firm with whom we've established a very successful working relationship over the past few years.

The combination of these resources provides reliable costs of construction for various building types.

Project	Budget	Bid
WV Army National Guard Armed Forces Readiness Center Fairmont, WV	$23,210,000.00	$22,800,000.00
Lumberport Elementary School Harrison County, WV	$10,000,000.00	$8,600,000.00
Mon Power Regional Headquarters Fairmont, WV	$35,000,000.00	$33,000,000.00
Canaan Valley Institute Headquarters Davis, WV	$5,900,000.00	$5,154,000.00
WVU Child Learning Center Morgantown, WV	$5,700,000.00	$5,485,000.00
WV High Technology Consortium 5000 NASA Boulevard Fairmont, WV	$18,339,281.00	$16,331,589.91
WVU Hospitals North and Northeast Towers Morgantown, WV	$36,000,000.00	$35,000,000.00

Occupancy, Commissioning, Permits and Plan Approvals

West Virginia codes have a major influence on the design of any building. A good working relationship with local and state building agencies is critical for a successful project. Omni has extensive experience with code compliance and we have enjoyed an exceptionally compatible working relationship with The West Virginia State Fire Marshal's office for over 30 years. Omni has made it a practice to have face-to-face reviews with the WVSFM, which provide valuable feedback and result in many hours saved during design and production.

LEED™ (Leadership in Energy and Environmental Design)

The LEED Green Building Rating System provides standards for environmentally sustainable construction. LEED Accredited Professionals demonstrate a thorough understanding of green building practices and principles and familiarity with LEED requirements, resources, and processes. Omni Associates currently has three LEED Accredited Professionals.

A new headquarters for Canaan Valley Institute (CVI) in Davis, West Virginia completed construction in 2010. In accordance with CVI's mission, the Omni design team planned a "green" building that demonstrates environmentally friendly systems to visitors. The team utilized a number of "green" technologies and achieved its goal of LEED Silver certification.

Omni was also the Architect for the Mon Power Regional Headquarters in Fairmont, West Virginia. Completed in 2011, this project also incorporated LEED design features and is LEED Certified.

Also Certified:

- Charleston Professional Building—LEED Silver

Current LEED Project:

- GSA Fairmont Office Complex—Seeking LEED Silver under LEEDv3

Projects Designed to LEED Standards:

- WVARNG Fairmont Armed Forces Readiness Center—Designed to be LEED Certified
- WVARNG Buckhannon Armed Forces Readiness Center—Designed to be LEED Silver under LEEDv3

Canaan Valley Institute
Davis, West Virginia

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Scan the 2-D code with your smart-phone for additional

omni associates ARCHITECTS

References

Omni Associates realizes that our relationships with our clients are a vital component in the success of realizing their goals and needs. We encourage you to contact any of the following references.

State of West Virginia
1900 Kanawha Blvd, East
Building 1, Room MB-60
Charleston, WV 25305

Mr. Bob Krause
Architecture & Engineering
304.957.7143

Mylan Pharmaceuticals
781 Chestnut Ridge Road
Morgantown, WV 26505

Mr. Tavarus Gray, PE
Project Manager
304-554-7375

First Energy
Toledo Edison
6099 Angola Road
Holland, OH 43528

Ms. Linda Moss
Presi dent
800 -447-3333

First Energy
Mon Power Regional Headquarters
5001 NASA Boulevard
Fairmont, WV 26554

Mr. Bob Hellman
Facilities Supervisor,
Management
304-534-7955

WVARNG
1705 Coonskin Drive
Charleston, WV 25311-1085

LTC David P. Shafer
Forme r CFMO
304-541-6539

Harrison County Schools
408 E.B. Saunders Way
Clarksburg, WV 26554

Mr. Neil Quinn
Clerk of the Works
304.32 6.7305

"...this (Wes t Virginia High Tec h-nology Con sortium) is in deed an important economi c d evelopment project for We st Virgini a, and I wish to than k Omni Asso ciates for the predo minant role that they played in making this endeavor, as well as many other si gnificant pro-jects across the state, a reality..."

Robert C. Byrd
United States Senate

*"*Omni has been an integral part of this e ntire pro cess. T he archi-tects worked quickly to assess our needs and develop the frame wo rk for this building and worked closely with us to en sure the fin al product would be efficient a s well as beau-tiful. The team environ ment en-couraged a colla borative effort to meet our specific needs."

Linda Moss
Director, Ops Support
and Project Manager
First Energy

"In appreci ation of all of your ha rd work, dedi cation, and techni cal support to the Eleanor Mainte-nance C omplex, West V irginia Ar-my National Guard. Your expertise has helped create one of the finest Maintenance Shops in the United States."

Robert D. Davis, CPT, OD,
WVARNG CSMS Superintendent
Warren T. Huxley, LTC, EN,
WVARNG,
Surface Maintenance Manager

Scan the 2-D code with your smart-phone for additional

omni associates
ARCHITECTS

WEST VIRGINIA ARMY NATIONAL GUARD
CONSTRUCTION AND FACILITY MANAGEMENT OFFICE
1705 COONSKIN DRIVE
CHARLESTON, WEST VIRGINIA 25311-1085

26 March 2013

SUBJECT: Recommendation for Omni Associates - Architects, Inc.

To whom it may concern,

It is my pleasure to highly recommend Omni Associates - Architects, Inc. for design projects of any scale. I have had the privilege to work with Omni Associates on several projects in the past totaling over $100M and we are currently in construction with two Readiness Centers designed by Omni. My office has found them to be extremely responsive to any owner needs and concerns and always as the best interest of the government in mind. Their quality assurance and dedication to success distinguishes them from other firms.

I have been very impressed with the team relationship between my office and Omni Associates. Of particular note, the principle Mr Dick Forren has over thirty years of military service as an engineer officer. As a result his firm is extremely knowledgeable about military units, equipment, and terms. Additionally, Omni Associates is very knowledgeable of the requirements for security and force protection. They have experience with numerous building types with the West Virginia Army National Guard and utilize 3D modeling design system that can be utilized for facilities maintenance.

Again, it is my pleasure to highly recommend The Omni Associates – Architects, Inc for your next design project as we will undoubtedly use them for future projects. Please feel free to contact me at 304/541-6539 if I can be of any further assistance.

Sincerely,

DAVID P. SHAFER
LTC, EN, WVARNG
Construction & Facility Management Officer

Federal Correctional Institution Gilmer

Total Project: $105 Million
Delivery Method: Design/Build
602,474 Gross Square Feet
1,712 beds

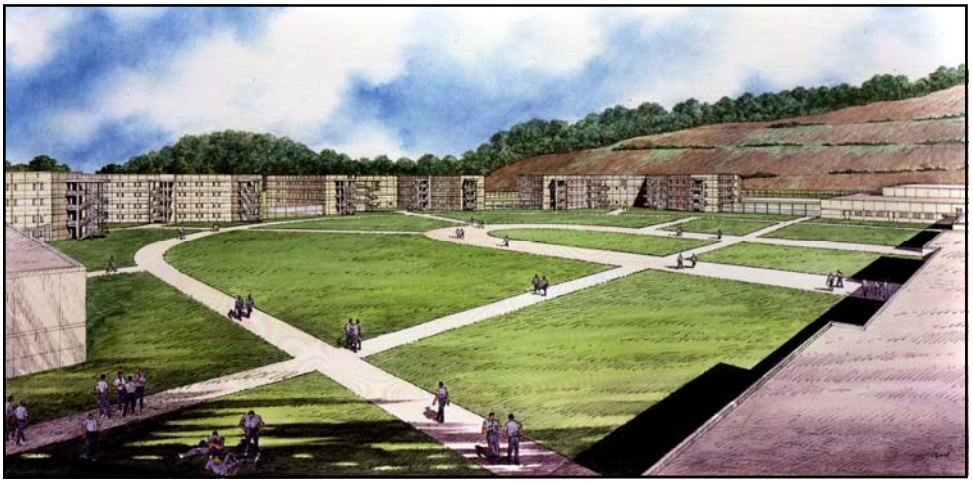
Project Team:
KMD / OMNI: Architect
BELL: Construction Manager

Federal Correctional Institution Gilmer
Glenville, West Virginia

Mid-rise Federal Bureau of Prisons campus consisting of medium security facility housing male offenders with an adjacent satellite prison camp housing minimum security male inmates

Services Provided by Omni:

- Architectural Management Assistance
- Site Environment Permit Requirements & Review
- Construction Documents / Quality Control Review
- Construction Administration



Genesis Youth Crisis Center

Genesis Youth Crisis Center, Inc. provides a temporary safe haven and nutritional, educational, and supportive services for children who have been removed from their homes as a result of domestic violence, abuse, neglect, or have run away or are homeless.

Genesis selected Omni Associates – Architects via a competitive selection process in 2000. Omni worked with the client for several years developing numerous programs and schematic layouts for all of its facilities, including Genesis Youth Center and Alta Vista Shelter, until a piece of property was purchased in Harrison County for a new 14,400 square foot Youth Center.

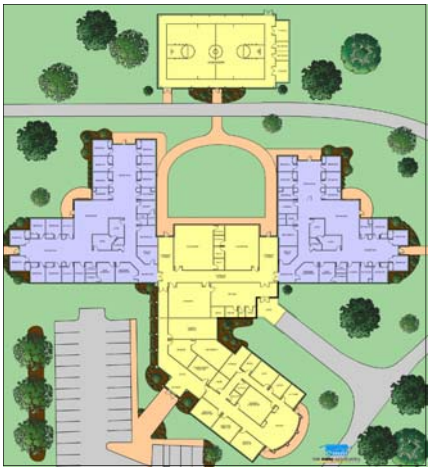
The program requirements created an opportunity for the architect to design a residential structure that would also house the crisis center, administrative offices, classrooms, kitchen and gymnasium. Two wings of the building house the residential board and care unit. They include 8 single occupancy bedrooms of approximately 110 square feet and 4 double occupancy bedrooms of approximately 165 square feet. The bedrooms are connected by a lounge and clerestory recreation area. Four residential style bathrooms are provided along with staff offices and a laundry room. The service wing houses the classroom and cafeteria with occupancy for 20 people. The business wing is located at the front of the building with its only connection via a common secured entrance. The business wing consists of eight offices, a break room and a conference /training room.

The new campus will nearly double the number of beds provided by Genesis Youth Center and Alta Vista Shelter combined in the hopes that no child will be turned away for lack of room.

Genesis Youth Center
Clarksburg, West Virginia

Estimated Construction Cost: $6 Million
Project Status: Fund Raising

Main Facility: 23,173 Square Feet
Gymnasium: 4,588 Square Feet
Total Project: 27,761 Square Feet



Charleston Professional Building

The 19,427 SF two story building is located in the central business district of Charleston, West Virginia. The project was completed utilizing design/build delivery.

The facility was designed to house FBI offices, including service bays to modify surveillance vehicles, forensic evidence labs, and investigators' work and technology spaces. The one acre site has a security perimeter fencing system and the exterior of the building is designed to resist high pressure intrusion as well as radio frequency shielding.

The basic shell of the building is a pre-engineered structure with a mixture of metal panels and masonry veneer materials that create an image of a standard office structure to fit into the business environment.

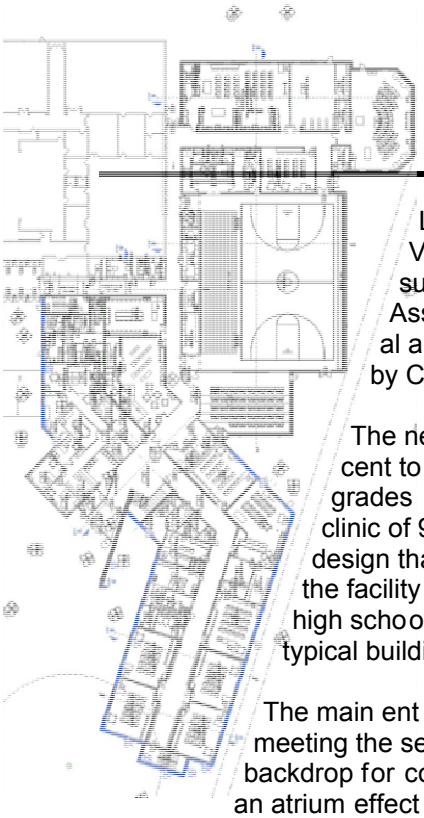
The project was designed as a LEED Silver rated project with much of the landscape around the building being restored to natural plantings that retain the storm water, energy efficient mechanical and electrical systems, and close proximities to city services.

Charleston Professional Building
Charleston, West Virginia

19,427 square feet
$6 Million

Client: Glenmark Holding
Contact: Nick Colasante
304-599-3369

Completed in 2012



Lincoln Middle School

Lincoln Middle School is one of the first two schools in West Virginia to utilize a design-build delivery method under the supervision of the West Virginia Design Build Board. Omni Associates—Architects was selected to provide full Architectural and Engineering services as part of a design-build team led by City Construction Company.

The new 53,000 square feet middle school was constructed adjacent to Lincoln High School. It was designed for 430 students in grades six through eight and includes a community-based health clinic of 900 square feet. Site constraints necessitated a creative design that establishes a prominent entrance and distinct identity for the facility while complementing the exterior features of the existing high school. The effect is that of a campus environment rather than a typical building addition.

Shinnston, West Virginia

Total Project: 53,000 Sq Ft

Construction Cost: $14 Million

Services Provided: Full Architectural and Engineering

Owner: Harrison County Schools

Owner's Representative: Neil Quinn

The main entrance of the new middle school features a friendly access for students and staff while meeting the security requirements of the SBA. The angled wall defining the entrance serves as a backdrop for colorful graphics. The spacious lobby showcases a monumental open stair that creates an atrium effect and provides an abundance of natural light as well as a convenient means for students to quickly and easily access their classrooms. The lobby also maintains an open atmosphere by using glass walls for both the administrative offices and the media center, permitting visual control of the lobby area and the secured visitor entrance. The entrance utilizes shatterproof glass to hinder forced entry and allow the staff to quickly recognize and react to a potential threat.

Our creative approach allows the primary educational spaces to move forward in the plan and become the predominate focus of the front elevation. The educational spaces are designed to create segregated pods for each of the grade levels. Each pod consists of the grade specific classrooms, a science lab, toilets, special needs classrooms and faculty planning areas. Specialty classrooms such as an art room, computer lab, tech education rooms, and family and consumer science rooms are located on the first floor for easy access by all grade levels.

Lumberport Elementary School

Omni Associates—Architects was selected by the Harrison County Board of Education to design and provide construction administration for a new elementary school in Lumberport, West Virginia.

The existing elementary school had been built in 1921 and was no longer able to meet ADA requirements. Other health and safety issues included the lack of an elevator, insufficient restrooms, and ground water problems in the basement classrooms. A temporary modular classroom adjacent to the school was being used to supplement the inadequate space of the main building. Twelve students had been transferred to another school due to the lack of space and ADA requirements. School enrollment was at 300 students, and the facility was 90% utilized. Recommended building utilization is 85%.

Lumberport, West Virginia

Total Project: 40,000 Sq Ft
Construction Cost: $8.5 Million

Services Provided:
Full Architectural and Engineering

Owner:
Harrison County Schools

Owner's Representative:
Neil Quinn

It was determined that a new school would be built on the existing school property. The existing school remained in operation during construction, and access to the school for buses, students, and deliveries had to be coordinated during that period. A separate gymnasium was added to the project to be built after the existing school was demolished. It was sized for Middle School Athletic Activities and will be shared between the elementary and middle schools.

In accordance with the West Virginia Department of Education "Handbook on Planning School Facilities" and the "SBA Guidelines and Procedures Handbook", Omni Associates designed a 40,000 square foot building that nearly doubled the space of the existing school. The facility consists of a one-story main building with a two-story classroom wing.

Construction bids for the project came in under budget, and the project was delivered utilizing multiple prime contracts. The school opened on time for the 2011-2012 school year.

West Fairmont Middle School

The Marion County Board of Education (MCBOE) selected The Omni Associates – Architects to provide full-service architectural and engineering services. After seeking input and suggestions from the citizens of Marion County, WV, the MCBOE set a priority on construction of a new middle school to replace the existing Dunbar Middle and Miller Junior High Schools which were built in the 1920's. Both schools enrolled approximately 350 students. This project was very important on several fronts. A new facility would replace outdated and unusable facilities. The project could be a redevelopment catalyst for a neglected community within the city of Fairmont and perhaps, equally important, regain the trust of the citizens of Marion County. Several prior projects that the County undertook were met with project delays, setbacks and cost overruns that resulted in a long history of ill feelings between the Marion County population and the MCBOE.

As planned, the new school is acting as a catalyst in an area of Fairmont that has been earmarked for development, "The Beltline Area". Along with the MCBOE, the city and county government have desired to develop this Beltline Area into a viable mixed-use neighborhood for several years. Upon the completion of this school those plans have been set into motion.

Omni recommended that the project be completed in phases in order to best present this new school to the community in a timely manner and to take advantage of the different types of construction involved. Phase I – Site Demolition and Utility Relocation, Phase II – Site Preparation, Phase III – Building Construction and Phase IV – Loose Furnishing. While work was being completed on the site Omni pushed forward with the design of the building.

Realizing the value of the end user, Omni suggested adding the administrators and teachers from the existing schools to the team. Omni met with these people based upon grade level and discipline to discuss and evaluate their needs and desires. During this process Omni met with the Superintendent and MCBOE to keep them updated and consult upon the results of those meetings. Once the initial design was established Omni presented it to the entire team through various meetings. Through

West Fairmont Middle School
Marion County Board of Education
Fairmont, West Virginia

Total Project: $15 Million
SBA Funded: $3 Million
Proposed County Bond: $12 Million

800 Students
117,700 S.F.

West Fairmont Middle School

these meetings and information from the West Virginia School Building Authority (WVSBA) Guidelines, Omni was able to finalize the design and establish a budget.

Omni continued to meet with the Superintendent, MCBOE and WVSBA to come up with a building that would provide for the community's needs, meet the requirements of the WVSBA and meet within a tight budget. Since the school would be located in the Technology Corridor the community desired a school that was at the forefront of technology. The WVSBA guidelines are very specific about student usage and facilities. The Owner desired a safe building based upon the rising security issues in schools across the country. As the project proceeded, construction costs were skyrocketing due to unforeseen incidents throughout the country. Omni guided the team through this difficult time from funding to actual building construction while delivering a building that still met everyone's needs, desires and budget.

Since the school has been occupied there have been many positive comments, an increase in enrollment and many students changing schedules because of the additions to the curriculum made available by the new building's layout and technology. The layout of the building also enabled the MCBOE to move to a true middle school curriculum which helps to separate the students at these difficult age levels and also requires less change in their lives for a period of four years. This layout of the building also provided for separate Dunbar and Miller wings in order to preserve and respect the history of this community's education system.

Upon completion Omni delivered a project that was completed on time and under the project budget.

"The template for the twenty-first century school"
Dr. James B. Phares
Superintendent - Marion County, WV

"...you (Omni) have done a wonderful job working through these issues throughout this project and I wish that all architects would take the same approach on other jobs."

Scott Raines
Assistant Director of Architectural Services
School Building Authority of West Virginia

"State of the Art, that's an understatement"
The Reverend James Saunders
Marion County
Board of Education Member

West Virginia Army National Guard (WVARNG)
Buckhannon Readiness Center

Buckhannon Readiness Center
West Virginia Army National Guard
Buckhannon, West Virginia

$13,150,000.00
37,000 sf

The Buckhannon Army National Guard Readiness Center is a dual-use building funded by a combination of Federal, State, and local money. The 37,000 sf facility will house three units of the West Virginia Army National Guard (WVARNG) as well as serve the public sector of Upshur County with a multi-purpose conference center. These dual purposes are reflected in the basic design.

The two functional areas are located in separate wings spanning east and west from the main lobby entrance with clear distinctions between public and private spaces. The west wing is a public conference center, which, through the use of operable partitions, can be configured any number of ways to allow for educational, business, community, and private events. The two-story east wing houses the WVARNG units: 601st Horizontal Engineer Company, 1935th Contingency Contracting Team and the 229th Engineer Survey and Design Team. It includes office space, a classroom, storage, sleeping rooms, fitness room, and locker rooms.

The building structure shall be steel with the exterior consisting mainly of brick veneer with some upper story metal panels and storefront glazing. A 3,200 sf unheated pre-manufactured metal storage building shall be erected adjacent to the main building. Outside supporting facilities include military and privately-owned vehicle parking, fencing, sidewalks, exterior fire protection, outside lighting, access roads, detached facility sign, wash platforms, fuel storage and dispensing systems and flagpoles. Physical security measurements include maximum feasible standoff distance from roads, parking areas, and vehicle unloading areas, berms, heavy landscaping, and bollards to prevent access when standoff distance cannot be maintained. This project is designed and shall be constructed to achieve LEED® Silver certification. Cost effective energy conserving features include energy management control systems and high efficiency motors, lighting, and HVAC systems.

West Virginia Army National Guard (WVARNG)
Fairmont Readiness Center

The specially designed AFRC is permanent masonry type construction with standing seam roof, concrete floors, and mechanical and electrical equipments with emergency power generator backup. This 150 member training facility includes administrative, educational, assembly, library, learning center, vault, weapons simulator and physical fitness areas for one each WVARNG and USAR units. The maintenance shop will provide work bays and maintenance administrative support. The project will also provide adequate parking space for all military and privately owned vehicles.

This project has been coordinated with the installation physical security plan, and all physical security measures are included. All required antiterrorism protection measures are included. Sustainable principles will be integrated into the design, development, and construction of the project in accordance with Executive Order 13123.

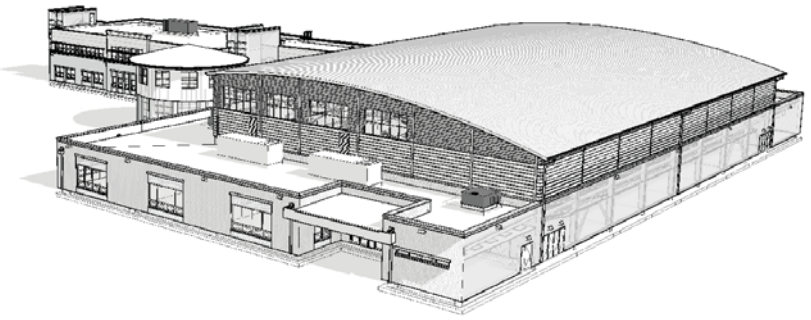
Supporting facilities will include weapons cleaning, maintenance, issue, turn-in sheds, access roads, security fencing and dark motor pool lighting, vehicle wash system and pump house, fuel storage and dispensing systems, loading ramp, flammable materials storage building, controlled waste handling facility, and sidewalks. Extension of gas, electric, sewer, water and communication utilities to the building site is included. Physical security measures include maximum feasible standoff distance from roads, parking areas, and vehicle unloading areas, beams, heavy landscaping and bollards to prevent access when standoff distance cannot be maintained. Cost effective energy conserving features are incorporated into design.

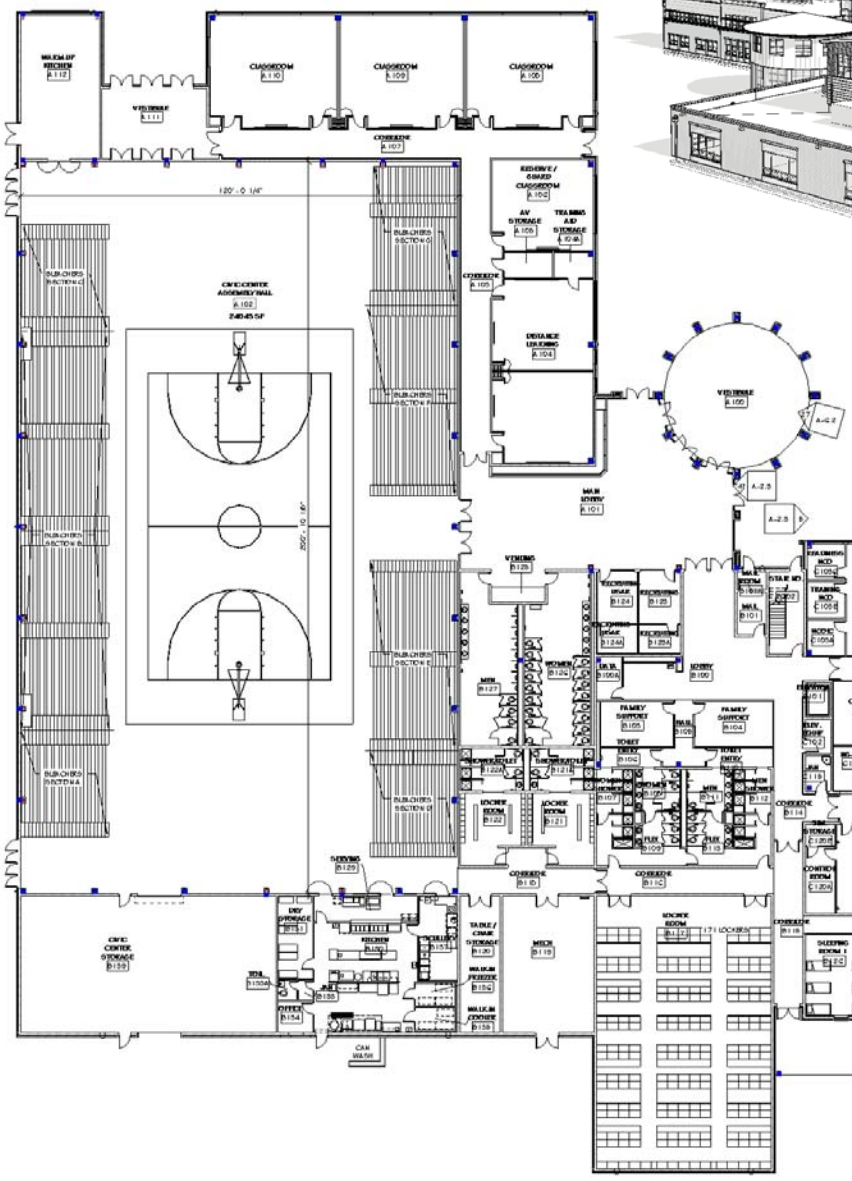
Fairmont Readiness Center
West Virginia Army National Guard
Fairmont, West Virginia

$ 25 Million
91,500 sf

Contact:
COL David Shaffer, CFMO
1707 Coonskin Drive
Charleston, WV 25311
304-541-6539

West Virginia Army National Guard (WVARNG)
Fairmont Readiness Center





info@omniassociates.com 304.367.1417 www.omniassociates.com **Omni** Associates - Architects, Inc.

West Virginia Army National Guard (WVARNG)
Eleanor Maintenance Facility

Eleanor
Maintenance Facility
West Virginia Army National Guard
Eleanor, West Virginia
132,000 Square Feet

"In appreci ation of all of your hard work, dedicatio n, and technical sup port to the Eleanor Mainte nance Complex, West Virgini a Arm y National Guard. You r e xpertise ha s helped cre ate one of the finest Maintenance Shop s in the United States."

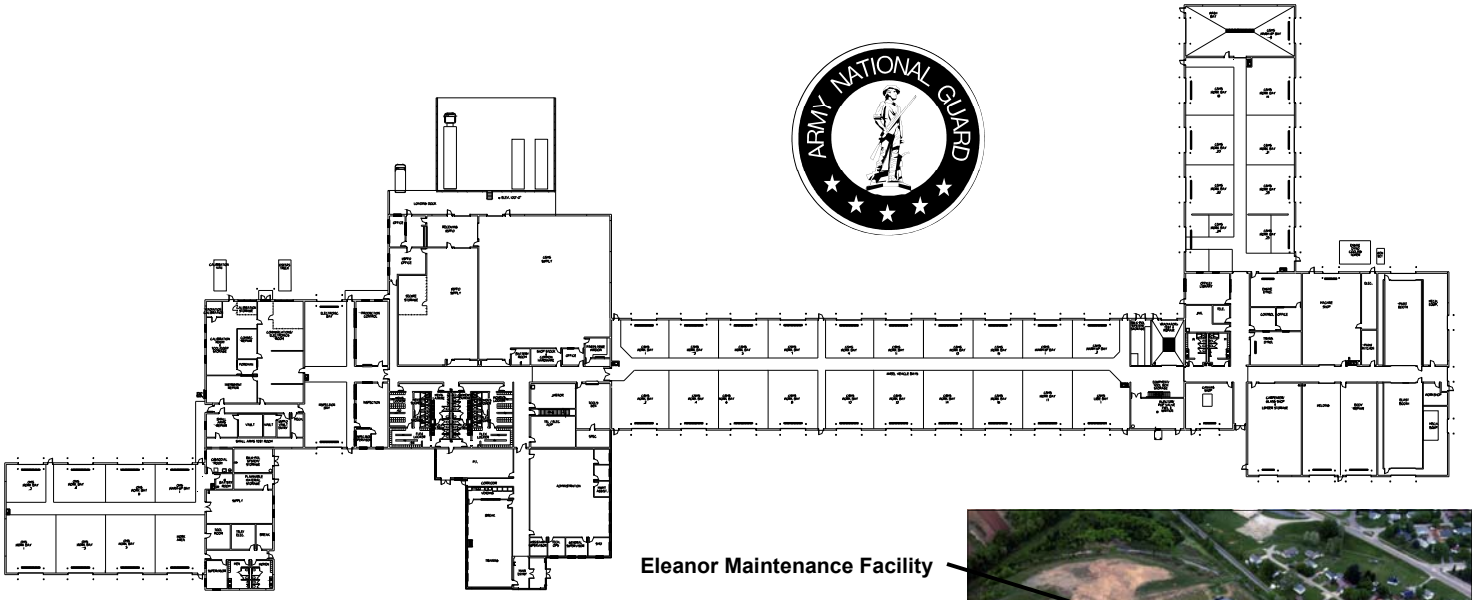
Robert D. Davis, CPT, OD, WVARNG
CSMS Superintendent

Warren T. Huxley, LTC, EN, WVARNG
Surface Maintenance Manager

The new Ele anor Maintenance Complex, in Eleanor, WV, is a 13 2,000 square foot state-of-the-art re pair and maintenance facility for the West Virginia Army National Guard (WVARNG). This specially designed Army "Co mbined Logistic Support Facility" will hou se the Com bined Support Maintenance Shop (CSMS), an Org anizational Mainte nance Shop (OMS) and United States Prope rty and Fiscal Office (USPFO) parts storage warehouse.

The design of the facility is based upon the functional concept of a straightforward flow in and around the facility. This focuses on a logical and efficient flow of work for the maintenance and repair of vehicles as well as the progression of compon ents parts from deli very to installation. This fl ow also requi red controlling the movement of vehicles themselves as all vehicles arriving and le aving the com plex are required to u ndergo pre an d post inspections.

West Virginia Army National Guard (WVARNG)
Eleanor Maintenance Facility



The facility provides a full range of maintenance support for all WVARNG military vehicles throughout the state. It includes 28 maintenance work bays with overhead bridge cranes, an engine rebuild shop, a body shop with blast and paint booths, a carpentry shop, a machine shop, a canvas shop, a small arms repair shop and an electrical / communications repair shop. The facility also has specialized testing capabilities in the form of an engine and transmission dynamometer.

These capabilities truly make the Eleanor Maintenance Complex a state-of-the-art facility for the West Virginia Army National Guard.

info@omniassociates.com 304.367.1417 www.omniassociates.com **Omni** Associates - Architects, Inc.

West Virginia Army National Guard (WVARNG)
Eleanor Readiness Center

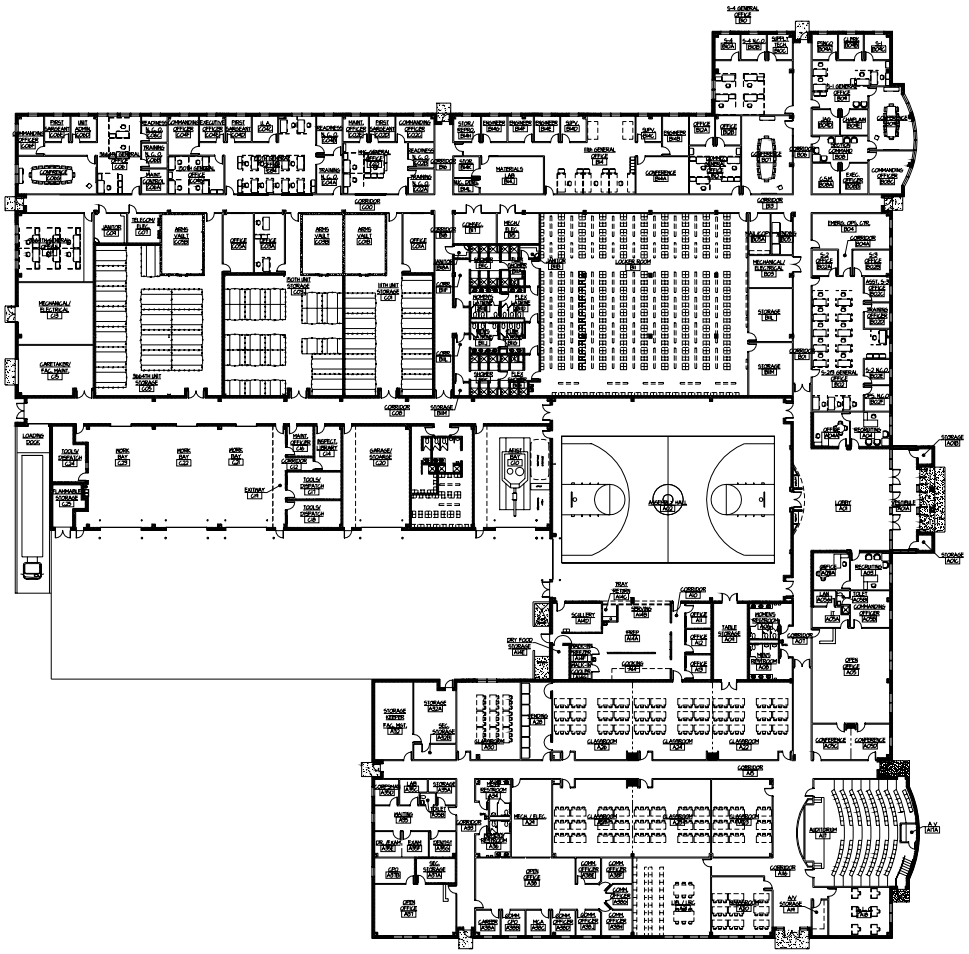
The new Armory facility in Eleanor, West Virginia is a single-story, brick masonry and steel structure enclosing approximately 88,200 Net square feet. The building is located adjacent to the new Maintenance Facility on the site, with the main entrance facing east toward the main access to the site. The orientation of the building takes advantage of views of the wetland area and the Kanawha River. The Armory houses units of the state Army National Guard and one unit of the Navy.

The aesthetics of the new structure will have a similar character and appearance as the Maintenance Facility, incorporating banding of a contrasting color, barrel-vaulted roofing, and similar doors and windows.

The plan configuration is a result of meetings with each of the units and commanders, and consolidates areas under the responsibility of individual units to minimize travel. The separation of public versus unit specific spaces is dictated by the need for logical and efficient circulation as well as the direct relationship of spaces within those areas.

Eleanor Readiness Center
West Virginia Army National Guard
Eleanor, West Virginia
83,900 Square Feet

West Virginia Army National Guard (WVARNG)
Eleanor Readiness Center



The relationship of the unit office areas to the unit storage areas is critical to the efficient workflow of the indi vidual units. The unit storage areas are located adjacent to the loading dock at the rear of the building in order to provide access to military vehicles.

The Maintenance Work Bays and AFIST bay are located at the rear of the building for accessibility of military vehicles, as well as shielding the function of the areas from the entrance and the public. The AFIST bay is located adjacent to the Assembly Hall for the purpose of large group instruction within the hall and individual instruction within the bay area.

The location of the Assembly Hall is central to all spaces and adjacent to the main entrance due to its use for public and military functions. The hall is utilized by the military for drill training and dining, and by the public for gatherings such as banquets and dances. The Kitchen is located adjacent to the Assembly Hall to expedite meals to both civilians and the military.

A single story structure of this size requires a lot of area dedicated to circulation. However, when possible, large open areas such as the Assembly Hall were utilized for circulation.

West Virginia State Office Complex

Omni Associates—Architects was selected by the West Virginia General Services Division to provide all architectural and engineering services for a new state office building located in downtown Fairmont.

It is important that the new building fit within the context of the downtown area's historical buildings while reflecting an era of progress and new growth. To that end, the building's exterior features traditional brick and cast stone masonry integrated with insulated formed metal panels and an aluminum curtainwall.

The building will be occupied by eight state agencies and include offices for the Secretary of State. Programming services included interviews of the individual agencies to determine the specific requirements of each. Interior fitouts include a variety of user-specific spaces including training rooms, interview rooms, waiting areas, individual offices, large open offices, break rooms, and kitchenettes.

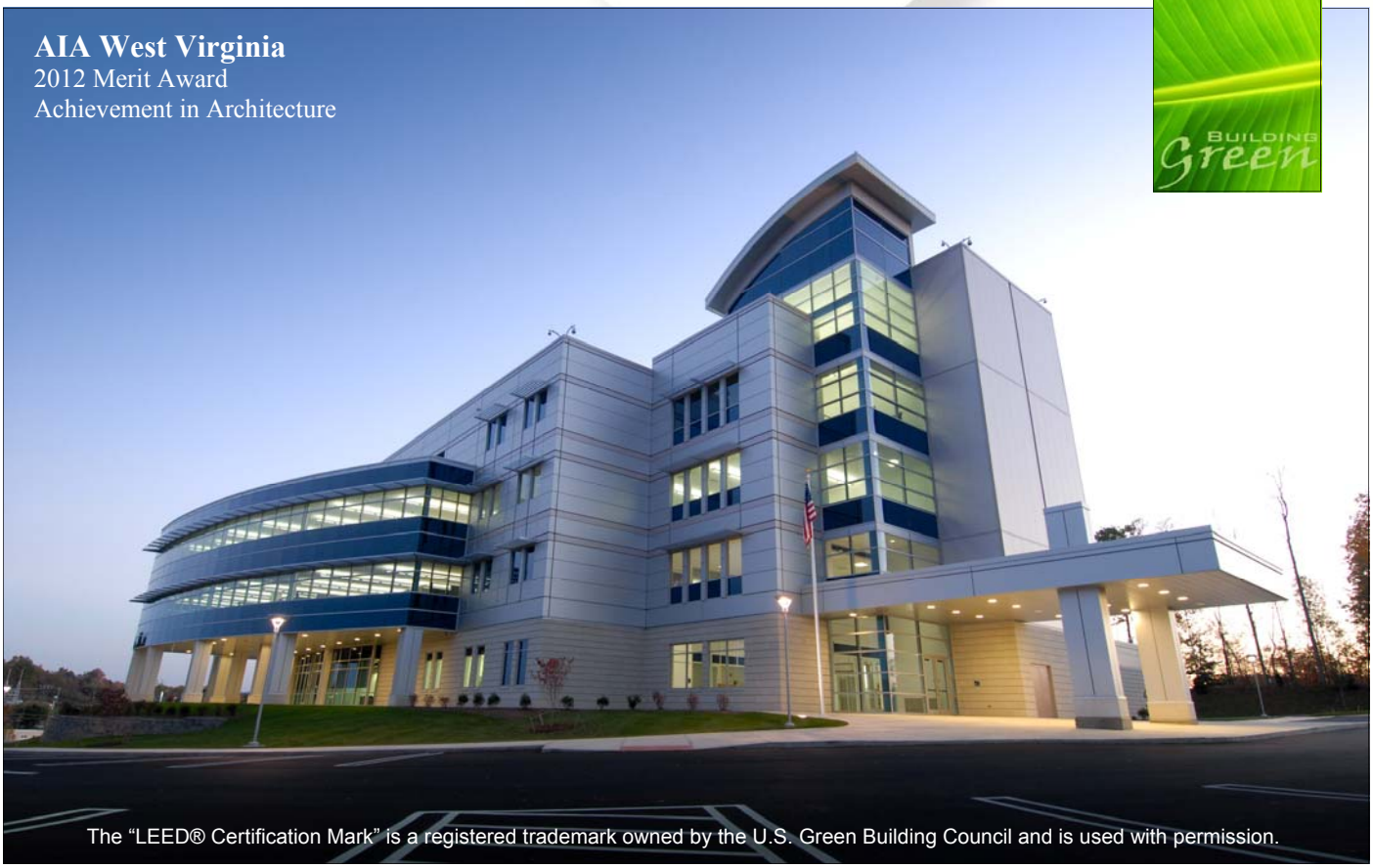
Omni also provided all necessary surveying of the site, and all existing infrastructure systems and material to determine appropriateness for construction. Pre-construction services also included the verification, coordination, and documentation of extensions, tie-ins, and relocations of all utilities as well as an extensive demolition package released prior to the new construction package.

In addition to compliance with all applicable local, State, and Federal regulations as well as ADA requirements, the Owner requested that the building be designed with the goal of achieving LEED™ Silver certification. Current calculations suggest the project could achieve LEED Gold.

West Virginia State Office Complex
Fairmont, West Virginia

Contact:
Mr. Robert P. Krause, PE, AIA
West Virginia General Services Division
1900 Kanawha Blvd. East
Building 1 Room MB-60
Charleston, WV 25305
304-558-9018

Mon Power Regional Headquarters



Prior to its merge r with First Energy, Allegheny Energy sele cted Omni Asso ciates – Architects via a competitive selection process to provide all Architectural and Engineering services for its ne w transmi ssion operations h eadquarters in Fairmont, West Virginia. Now the Mon Power Regional Headquarters, the environmentally friendly facility is located on a 9-acre parcel of land in the I-79 Technology Park.

Completed in September 2010, the sta te-of-the-art facility serve s as the cente r for multi-stat e energy transmission fun ctions, incl uding a round-the-clock management of the elect ric grid. The build ing houses the Tran smission Operations Control Center, a Data Center, Class A commercial office space, and all associated electrical, mechanical, and support facilities. The Transmission Operations Control Cent er and Data Center was constr ucted to meet a site infrastructure performance rating of Tier III. The new c onstruction projec t is LEED® (Leadership in Energy and Environmental Design) Certified.

Services provided by Om ni inclu de site selection assistance a nd develop ment services, architectural de sign services, civil, structural, mechanical, and ele ctrical engineering services, bid do cument development, construction contract administration service s, and post co ntract administrative servi ces. Acco rding to Allegheny Energy's Linda Moss, Director, Ops Support and Project Manager for the building**, "**Omni has b een an integral part of this entire pro cess. The archi tects wo rked quickly to asses s our needs and develop the frame work for this building a nd worked closely with u s to ensure the final p roduct would b e effi cient a s well as bea utiful. The t eam environm ent enco uraged a collaborative effort to meet our specific needs."

Mon Power Regional Headquarters
Fairmont, West Virginia

Construction Cost: If required, construction cost can be obtained b y contacting owner's representative as listed below.
Delivery Method: Design-Build

148,000 Square Feet
- Transmission Operations Control Center
- Data Center
- Class A commercial office space

Contacts:
Ms. Linda L. Moss, Project Manager
Current President of Toledo Edison
6099 Angola Road
Holland, OH43528
800-447-3333

Mr. Bob Hellman
Supervisor, Facilities Management
Mon Power Regional Headquarters
5001 NASA Boulevard
Fairmont, WV 26554
304-534-7955

H.F. LENZ COMPANY

Firm Profile

Johnstown Headquarters
1407 Scalp Avenue
Johnstown, PA 15904
Phone: 814-269-9300
Fax: 814-269-9301
www.hflenz.com

Pittsburgh Office
1051 Brinton Road
Pittsburgh, PA 15221
Phone: 412-371-9073
Fax: 412-371-9076

Ohio Office
322 State Street,
Conneaut, OH 44030
Phone: 440-599-7800
Fax: 440-599-7801

Currently in its 70th year, the H.F. Lenz Company is a Pennsylvania-based firm offering a full range of engineering services for building systems, infrastructure, and industry. Our projects span the nation, with the heaviest concentration in the Northeast, and exceed $530 million in MEP, Civil and Structural construction annually. A remarkable 85 percent of our work consists of repeat commissions from clients who appreciate our responsive, value-added service. Our staff of 165 includes 51 Licensed Professional Engineers and 19 LEED Accredited Professionals. Our in-house services include:

- Mechanical Engineering
- Electrical Engineering
- Plumbing Engineering
- Life Safety / Fire Protection Engineering
- Communications Engineering
- Energy Management
- Civil Engineering
- Structural Engineering
- Industrial Engineering
- Surveying
- Construction Phase Services
- Commissioning
- LEED® Design Services
- ENERGY STAR® Validation Services

CORRECTIONAL FACILITY DESIGN

H.F. Lenz Company is nationally recognized engineering firm with extensive experience in criminal justice facilities. We understand the issues involved in designing building systems for this type of facility and we are thoroughly familiar with recent correctional trends. We will work closely with the project team and correctional facility staff to develop the solutions that best meet your unique needs.

RECENT CORRECTIONAL FACILITY EXPERIENCE EXAMPLES

State Correctional Institution, Benner Township, Centre County
Electrical engineering services for the design of a new 2,000 inmate correctional institution. The facility is LEED Certified. $179 million Completed in 2013

State Correctional Institution, Marienville, Forest County
MEP and civil/site engineering services for a new 700,000 sq.ft. correctional facility to house up to 2,000 inmates. The maximum security restricted housing unit contains 96 cells, and there are nine general population housing units each with 128 cells. The support services building includes a visiting room, health care, kitchen/dining, commissary, maintenance and correctional industries. The chapel, education and recreation services are part of the program services building. $115 million Completed in 2004

State Correctional Institution, Pine Grove
MEP engineering services for bridging documents for a new 128 cell (L3) addition. This project was one of the first two housing units developed though the use of the design/build construction process which necessitated the development and refinement of the design/build process in close cooperation with DGS and DOC. $11,466,000

State Correctional Institution, Coal Township
MEP engineering services for bridging documents for a new 128 cell (L3) addition. This project was also one of the first two housing units being developed though the use of the design/build construction process. $11,911,000

State Correctional Institution, Cambridge Springs
MEP engineering services for bridging documents for a new 128 cell (L3) addition. $11,350,000

State Correctional Institution, Forest County
MEP engineering services for bridging documents for a new 96 cell (L5) addition. $21,900,000

State Correctional Institution, Camp Hill
MEP and structural engineering services for the replacement of the steam lines and the repair of the main steam tunnel. Currently under construction

State Correctional Institution, Fayette
MEP engineering services for the replacement of the HTHW heating lines serving the facility, which involved nearly 2.75 miles of piping. $7,350,000
Completed in 2011

LEED®

H.F. Lenz Company has been a member of the United States Green Building Council since 2000 and currently has 19 LEED® Accredited Professionals on staff. Our firm has gained a high level of knowledge in the building green process and we possess the experience to successfully apply these principles to all building projects. Our experience includes 100+ projects that have attained various levels of LEED Certification and several more projects currently registered for LEED Certification, in total over 15 million sq.ft. of facilities.

H.F. LENZ COMPANY

State Correctional Institution

Benner Township, Pennsylvania

NEW CORRECTIONAL FACILITY

The new SCI Benner Township Facility accommodates a housing capacity of 2,400 inmate beds and is located in close proximity to the existing SCI Rockview complex in Bellefonte, Pennsylvania. The 629,573 sq.ft. facility consists of 27 individual buildings strategically placed on an 88-acre site and functions as the central transportation hub of all of the Commonwealth's correctional facilities.

The "campus" plan consists of 11 inmate housing units (Units A-K) at 32,008 sq.ft. each except for Housing Units J and K which are 40,671 and 15,307 sq.ft. respectively. Also included in the design:

- 23,255 sq.ft. outside administration facility
- 18,890 sq.ft. security administrative building
- 24,570 sq.ft. health services facility that included Patient Isolation Rooms, Treatment Rooms, Exam Rooms, Physical Therapy, Psychiatric Ward, Digital X-Ray, Trauma Room, Dental Suite, Pharmacy and Triage.
- 24,273 sq.ft. dietary services facility
- 49,810 sq.ft. laundry facility
- 31,200 sq.ft. maintenance shop
- 67,261 sq.ft. multi-use (education, religious, recreation) building.
- 13,693 sq.ft. central plant
- Field houses
- Warehouse
- Transportation Hub building

H.F. Lenz Company provided the electrical engineering services for the design/build project. The project has attained LEED Certification.

Construction on the $179 million facility was completed in 2013.

H.F. LENZ COMPANY

State Correctional Institute Huntingdon

Smithfield Township, Pennsylvania

ELECTRICAL DISTRIBUTION UPGRADE

Located in the rural West-Central Pennsylvania Allegany Mountains, the SCI-Huntingdon is a historic facility constructed around the turn of the century. The maximum security correctional institution houses 2,155 adult male inmates on a site of approximately 60-acres.

Commissioned by the Commonwealth as the prime firm, H.F. Lenz Company is providing engineering services for the electrical power distribution upgrades of the four original cell blocks, plus the two newer cell blocks. Generally, replacement will occur of existing feeders, wiring, panel boards and switches, including interface with the back-up power systems.

Other project issues include:

- Analysis & design to meet higher electrical demand
- Selective coordination analysis
- Arc fault current calculations
- All construction work will occur within the secure perimeter
- Phasing will occur to minimize outages
- Construction phase administration

The project is currently under construction. Construction Budget $2,200,000

H.F. LENZ COMPANY

State Correctional Institute

Coal Township, Pennsylvania

HIGH-TEMP HOT WATER & CHILLED WATER DISTRIBUTION SYSTEM

Located in the rural North-central Pennsylvania, the SCI-Coal Township was constructed in 1992. The medium security correctional institution includes 1,000 cells and consists of fourteen buildings situated on approximately 185-acres. Buildings at the facility are:

- Administration Building
- Central Utility Plant
- Warehouse Building
- Central Services Building
- Six Level 3 Housing Units
- One Level 2 Housing Unit
- One Level 5 Housing Unit
- Program Services Building

Commissioned by a Law Firm, H.F. Lenz Company is providing engineering services as a third-party expert consultant, with regard to the existing design & installation of approximately 6,000 lineal feet of piping, components & supports. Our services included:

- Visual observations of existing conditions
- Meetings
- Review of design and installation documents
- Pipe stress analysis & reaction load determination
- Resolution assistance with any piping system issues

System Built: 2008

H.F. LENZ COMPANY

State Correctional Institution

Marienville, Pennsylvania

New Prison Facility

H.F. Lenz Company provided HVAC, electrical, plumbing, fire protection, and civil/site engineering services for a new 700,000-sq.ft. prison facility situated on a 200 acre site in Forest County, Pennsylvania.

The new facility provides programming, support services and infrastructure for approximately 2,000 inmates. **The maximum security restricted housing unit contains 96 cells, and there are nine general population housing units which each have 128 cells.** The support services building includes a visiting room, health care, kitchen/dining, commissary, maintenance and correctional industries. The chapel, education and recreation services are part of the program services building.

In addition to site adaptations, the scope of work involved several design studies to update the prototypical design to meet current technology and code requirements and the Pennsylvania Department of Corrections standards.

To maximize cost efficiency, a top-down review of all aspects of the program was utilized to reduce the estimated construction cost by several million dollars. The project involved a phased design approach which divided the complex into twenty-seven bid packages to allow early award of long-lead items.

MEP features of the project included:

The **mechanical piping systems** for the prison facility included:

- 1800 BHP high temperature hot water boilers and central distribution piping including 4,800 LF of underground piping
- 1200 ton chilled water plant with central distribution piping (4,800 LF underground)
- Hot water convertors and building hot water heating piping
- Dietary steam boiler and steam and condensate piping system for food service equipment

The **electrical services** for the prison facility included:

- 12.47 KV main-tie-main service entrance with campus-wide dual loop feed underground distribution systems

- Dual 2000KW diesel generation emergency power plant; 100% backup of entire facility
- Campus-wide metering/monitoring system with PLC control of remote circuit breakers featuring touch-screen human interface
- Campus-wide fire alarm system with fiber optic backbone
- Integrated low-voltage lighting control

The **plumbing and fire protection systems** for the prison facility included:

- A 5,000 LF underground domestic water distribution service main loops the perimeter of the site
- Domestic hot and cold water distribution piping supplies fixtures and equipment in each building; a hot water return circulation piping system is designed to adequately provide hot water to remote fixtures
- Natural gas distribution system, service pressure regulation, and equipment connections throughout the facility
- Sanitary sewer and storm water collection systems for each building and site
- Standard and penal/security plumbing fixtures were specified and located throughout the facility as required
- Special design considerations were required to identify the location, route, and accessibility of distribution supply lines, maintenance valves, and fittings for tamper resistant and security measures
- One million gallon elevated water storage tank system
- Fire suppression system including 2,500 gallon per hour fire pump and 5,000 LF of underground eight inch fire water distribution loop
- Fully sprinklered fire suppression for each building

H.F. LENZ
COMPANY

Federal Correctional Institution

Loretto, Pennsylvania

Federal Correctional Institution. *The $4.3 million project for the Federal Bureau of Prisons was completed in 1990.*

The H.F. Lenz Company provided full-scope engineering and surveying services to develop design and construction documents for improvements at this 550-inmate facility. A variety of improvements were designed to increase the security level from minimum security (Level 1), to medium security (Level 3).

The project included:

- New sally port/vehicular sally port with officers' station
- New reception building and new security station with monitoring consoles
- New maintenance garage five bays wide (included oil separator)
- Conversion of an existing garage to a segregation unit
- Security hardware and fixtures consisting of cameras, microwave detectors and motion detectors
- Double row of perimeter fencing 12 ft. high with razor wire and approximately one mile in length
- New perimeter roadway
- High-intensity roadway lighting
- Ground-mounted uplighting for building security
- Perimeter detection system
- Design of an emergency power system to serve the new perimeter lighting and new buildings
- Extension of site utilities to new buildings
- Stormwater handling
- Underground diesel and gasoline fuel storage tanks
- Reconstruction of outdoor recreation area
- Complete topographic survey of the site
- Construction observation and administration services

H.F. LENZ COMPANY

Bucks County Justice Center

Doylestown, Pennsylvania

NEW JUSTICE CENTER

H.F. Lenz Company provided full mechanical and electrical engineering and construction phase services for the new Bucks County Justice Center, located in the historic district of Doylestown, Pennsylvania.

The new building is L-shaped with a central public entry lobby facing Main Street and two angled wings, and houses:

- Nineteen courtrooms including
  - Eleven jury
  - Six non-jury
  - One orphan's court
  - One ceremonial court
- Judge's chambers
- Secure parking/loading
- Prisoners holding
- Sheriff's offices
- District Attorney
- Prothonotary
- Domestic Relations
- Various other county government offices.

The total floor area is approximately 265,000 sq.ft. and the estimated cost of construction is $120,000,000.

Mechanical and electrical features include:

- Central chilled water system with roof-top cooling towers
- Hot-water heating boilers
- Several large air-handling units with heat recovery
- Diesel-fired back-up power
- Low water consuming plumbing fixtures
- 500 KVA, 34.5KV primary, 480Y/277V secondary located in the penthouse
- 1000KW emergency generator mounted on the roof with fuel transfer system
- Completely integrated Crestron building lighting control system including day light harvesting, occupancy/vacancy sensing, integration with Crestron courtroom audio visual system, exterior lighting control and emergency lighting control integration. Integration with building and prisoner security system for secure area lighting control. Integration with building automation system (BAS) and fire alarm systems.
- Voice evacuation fire alarm system

The building was designed to achieve a LEED™ Silver designation.

The project was completed in 2015.

H.F. LENZ COMPANY

Correctional Facilities

Federal Correctional Institution
Loretto, Pennsylvania
- Mechanical, electrical, and plumbing design for five buildings
- Increased security level from Minimum Level 1 to Medium Level 3
- Reconstruction of outdoor recreation area
- New perimeter roadway
- Security fencing and lighting
- Perimeter detection system and security hardware
- Topographic and utility surveys

Forest County State Correctional Institution
Marienville, Pennsylvania
- Mechanical, electrical, plumbing, fire protection, and civil/site design services for a 700,000 sq.ft. 2,000-inmate prison facility

Pine Grove and Coal Township State Correctional Institutions, Pennsylvania
- Bridging documents for new 128 cell additions to each L-3 facility

Cambridge Springs State Correctional Institution, Pennsylvania
- Bridging documents for new 128 cell addition to an L-3 facility

Forest County State Correctional Institution
Marienville, Pennsylvania
- Bridging documents for new 96 cell addition to an L-5 facility

Fayette State Correctional Institution
Labelle, Pennsylvania
- Replacement of the high temperature hot water heating lines

City of Suffolk Jail
Suffolk, Virginia
- Complete mechanical, electrical, and fire protection design for a new 50,000 sq.ft. jail to house 350 inmates

The Federal Correctional Institution in Loretto houses 550 inmates.

Cambria County Jail
Ebensburg, Pennsylvania
- Development of a phased improvement program to correct mechanical and electrical deficiencies

Cambria County Juvenile Detention Home
Ebensburg, Pennsylvania
- Deficiency evaluation and energy conservation improvement study of the existing 12-cell facility
- Construction documents for converting the second floor to a four-room sheltered care center for county use

Alderson Federal Correctional Institution
Alderson, West Virginia
- Complete HVAC, electrical, and fire protection design for conversion of training rooms to production areas

Garrett County Courthouse and Jail
Garrett County, Maryland
- Renovations to existing buildings
- New minimum, medium, and maximum security area
- New kitchen and exercise areas
- New parking garage

Westmoreland County
Correctional Institution
Greensburg, Pennsylvania
- New mechanical, electrical, and plumbing systems

Westmoreland Juvenile Detention Center
Greensburg, Pennsylvania
- Mechanical, electrical, and plumbing systems for new facility

Indiana County Jail
Indiana, Pennsylvania
- Evaluation and design of mechanical, electrical, and plumbing systems for a new jail structure

Camp Hill State Correctional Institution
Camp Hill, Pennsylvania
- Mechanical, electrical, and structural engineering, and construction monitoring services for the replacement of the steam lines and the repair of the main steam tunnel

U.S. Marshal's Service Facilities

H.F. Lenz Company has provided engineering services for numerous courthouses and federal buildings which have housed U.S. Marshal's Service Facilities. Below is an overview of some of these facilities.

U.S. Courthouse
Harrisonburg, Virginia
- Renovation for U.S. Marshal's Service space, prisoner holding cells, and secure elevator
- Second floor renovations including district magistrate courtroom, judges' chambers, conference rooms, clerks' rooms, and jury suite
- New building-wide fire alarm system

William J. Nealon Federal Building and U.S. Courthouse
Scranton, Pennsylvania
- U.S. Marshal's Service space
- New $36 million courthouse annex and repair and alteration of existing federal building

Federal Building and Courthouse
Williamsport, Pennsylvania
- U.S. Marshal's Service: sallyport, holding cells, secure elevators, administrative areas, and judges' parking
- Probation fit-out, Clerk of Courts, jury assembly areas, and new public, restricted, and prisoner circulation areas

Federal Courthouse Complex
Erie, Pennsylvania
- U.S. Marshal's Service Space
- New $24 million courthouse annex and renovation to three existing historic buildings
- Building evaluation report
- Feasibility study for expansion options
- Prospectus development study

Federal Office Building and Courthouse
Wheeling, West Virginia
- $8 million renovation and additions to this historic structure including: new sallyport; prisoners' elevator; judges' elevator; holding cells; and new public, judges', and prisoners' circulation areas
- Boiler replacement study and design
- Study and rehabilitation of deteriorated parapet wall
- Fourth floor courtroom renovation

Lynchburg Courthouse
Lynchburg, Virginia
- Mechanical, electrical, and plumbing/fire protection engineering services for the design of a new 65,000 sq.ft., five-story courthouse building and renovation of an existing three-story, 25,000 sq.ft. historic schoolhouse
- U.S. Marshal's Service Space

Somerset County Courthouse
Somerset, Pennsylvania
- Mechanical, electrical, and plumbing/fire protection services for the historical renovation of the Somerset County Courthouse
- U.S. Marshal's Service Space
- New 911 Center
- New boiler serving police station

H.F. LENZ COMPANY

Robert F. Stano, P.E.

Principal-in-Charge

Mr. Stano is responsible for the engineering design of all trades, the supervision of senior designers, the preparation of reports to determine optimal systems and/or equipment selections, and the coordination and checking of contract documents for completeness and quality. He is responsible for coordination with the client, the architect, regulatory agencies, and the engineering staff; project scheduling; and other project management functions. He is experienced in the design of building systems including air and water heating/cooling systems, automatic temperature control systems, boiler plant systems, central chilled water plants, fire detection and suppression systems, energy management systems, building lighting and power distribution systems. He has been responsible for mechanical design and/or project management of the following projects:

State Correctional Institution – Huntingdon
Smithfield Township, Pennsylvania
Engineering services for the electrical power distribution upgrades of the four original cell blocks, plus the two newer cell blocks

State Correctional Institution
Camp Hill, Pennsylvania
Replacement of the steam lines and repair of the main steam tunnel

State Correctional Institution
Coal Township, Pennsylvania
Engineering services as a third-party expert consultant, with regard to the existing design & installation of approximately 6,000 lineal feet of piping, components & supports

U.S. Post Office and Courthouse
Erie, Pennsylvania
Renovation of a federal building including holding cells, and construction of a new 50,000 sq.ft. connecting structure

U.S. Post Office and Courthouse
Scranton, Pennsylvania
Renovation of a 150,000 sq.ft. historic building including holding cells, and a new 120,000 sq.ft. annex

Bucks County Justice Center
Doylestown, Pennsylvania
New 265,000 sq.ft. facility designed to attain LEED Silver which houses prisoners holding, sheriff's offices, courtrooms, judge's chambers, secure parking/loading, district attorney, prothonotary, domestic relations and various other county government offices

U.S. Post Office and Courthouse
Wheeling, West Virginia
Renovation including holding cells, and new 90,000 sq.ft. addition

U.S. Courthouse and Federal Building
Williamsport, Pennsylvania
U.S. Marshal Service renovations and additions

U.S. Post Office and Courthouse
Pittsburgh, Pennsylvania
Renovation of U.S. Marshal Service space

U.S. Post Office and Courthouse
Lynchburg, Virginia
Design of a new 65,000 sq.ft., five-story courthouse building and renovation of an existing three-story, 25,000 sq.ft. historic schoolhouse including holding cells

Education
Bachelor of Science, Architectural Engineering, 1982, Pennsylvania State University

Experience
H.F. Lenz Company 1982 - 1985 and 1988 - Present
James Posey Associates, Inc. 1985 - 1988

Professional Certification

Licensed Professional Engineer in Pennsylvania • Maryland • New Jersey • Ohio • West Virginia •

Professional Affiliations
National Society of Professional Engineers • American Society of Heating, Refrigerating, and Air-Conditioning Engineers • International Society for Pharmaceutical Engineering

H.F. LENZ COMPANY

Correctional Facilities

Westmoreland Juvenile Detention Center
Greensburg, Pennsylvania
- Mechanical, electrical, and plumbing systems for new facility

Indiana County Jail
Indiana, Pennsylvania
- Evaluation and design of mechanical, electrical, and plumbing systems for a new jail structure

Camp Hill State Correctional Institution
Camp Hill, Pennsylvania
- Mechanical, electrical, and structural engineering, and construction monitoring services for the replacement of the steam lines and the repair of the main steam tunnel

U.S. Marshal's Service Facilities

H.F. Lenz Company has provided engineering services for numerous courthouses and federal buildings which have housed U.S. Marshal's Service Facilities. Below is an overview of some of these facilities.

U.S. Courthouse
Harrisonburg, Virginia
- Renovation for U.S. Marshal's Service space, prisoner holding cells, and secure elevator
- Second floor renovations including district magistrate courtroom, judges' chambers, conference rooms, clerks' rooms, and jury suite
- New building-wide fire alarm system

William J. Nealon Federal Building and U.S. Courthouse
Scranton, Pennsylvania
- U.S. Marshal's Service space
- New $36 million courthouse annex and repair and alteration of existing federal building

Federal Building and Courthouse
Williamsport, Pennsylvania
- U.S. Marshal's Service: sallyport, holding cells, secure elevators, administrative areas, and judges' parking
- Probation fit-out, Clerk of Courts, jury assembly areas, and new public, restricted, and prisoner circulation areas

Federal Courthouse Complex
Erie, Pennsylvania
- U.S. Marshal's Service Space
- New $24 million courthouse annex and renovation to three existing historic buildings
- Building evaluation report
- Feasibility study for expansion options
- Prospectus development study

Federal Office Building and Courthouse
Wheeling, West Virginia
- $8 million renovation and additions to this historic structure including: new sallyport; prisoners' elevator; judges' elevator; holding cells; and new public, judges', and prisoners' circulation areas
- Boiler replacement study and design
- Study and rehabilitation of deteriorated parapet wall
- Fourth floor courtroom renovation

Lynchburg Courthouse
Lynchburg, Virginia
- Mechanical, electrical, and plumbing/fire protection engineering services for the design of a new 65,000 sq.ft., five-story courthouse building and renovation of an existing three-story, 25,000 sq.ft. historic schoolhouse
- U.S. Marshal's Service Space

Somerset County Courthouse
Somerset, Pennsylvania
- Mechanical, electrical, and plumbing/fire protection services for the historical renovation of the Somerset County Courthouse
- U.S. Marshal's Service Space
- New 911 Center
- New boiler serving police station

H.F. LENZ COMPANY

Steven P. Mulhollen, P.E.

Electrical Engineer

Mr. Mulhollen is experienced in the design of power distribution systems, control systems, emergency power systems, lighting and emergency lighting systems, fire alarm systems, security, sound, and telecommunications systems for correctional, educational, institutional, industrial, health care, and commercial facilities. Mr. Mulhollen's project experience includes (* indicates prior experience):

State Correctional Institution – Huntingdon
Smithfield Township, Pennsylvania
Engineering services for the electrical power distribution upgrades of the four original cell blocks, plus the two newer cell blocks

State Correctional Institution*
Camp Hill, Pennsylvania
- *Electrical distribution upgrade and boiler plant upgrade. The electrical distribution was upgraded from 2400V to 12.47KV. Existing medium voltage equipment was replaced completing the upgrade to the entire distribution system*
- *Electrical distribution upgrade and Gate House. Project involved upgrading the existing 2400V distribution system to a 12.47KV distribution system with automatic transfer between two utility sources*

West Virginia Department of Corrections*
Neola, West Virginia
New Anthony Correctional Center and the renovation of four additional support facilities. New electrical service distributed via underground ductbanks. New exterior lighting

Erie County Jail*
Erie, Pennsylvania
Electrical design of correctional facility

State Correctional Institution
Camp Hill, Pennsylvania
Replacement of the steam lines and repair of the main steam tunnel

University of Pennsylvania
Philadelphia, Pennsylvania
- *New double ended unit substation stations in Harnwell House, Rodin House and Harrison House*
- *New 13.2 kV automatic switchgear was replaced in Chemistry Complex*
- *13.2 kV switchgear replacements are in design for the Van Pelt Dietrich Library Complex and the John Morgan School of Medicine facility*

Temple University
Philadelphia, Pennsylvania
New South Gateway 1,500 student high-rise residence halls, major dining pavilion and retail complex

University of Charleston
Charleston, West Virginia
New 55,000 sq.ft., student residence hall

U.S. Post Office and Courthouse
Lynchburg, Virginia
Design of a new 65,000 sq.ft., five-story courthouse building and renovation of an existing three-story, 25,000 sq.ft. historic schoolhouse

Naval Surface Warfare Center*
West Bethesda, Maryland
Building 5, electrical distribution upgrade totaling $300,000

Education
Bachelor of Science, Electrical Engineering, 1988, The Pennsylvania State University

Experience
H.F. Lenz Company 1999 - Present
L. Robert Kimball & Associates 1996 – 1999
Leach Wallace Associates, Inc. 1990 – 1996 ● E.A. Mueller, Inc. 1988 – 1990

Professional Registration / Certification
Licensed Professional Engineer in Pennsylvania • Alabama • California • DC • Florida • Maryland • Missouri • New Jersey • Nevada • Massachusetts ● New Mexico • North Carolina • Ohio • Tennessee ● South Carolina and DC

Professional Affiliations
Institute of Electrical and Electronics Engineers, Inc.

H.F. LENZ COMPANY

Thomas W. Hovan, P.E.

Senior Mechanical Engineer

Mr. Hovan is experienced in the design of mechanical systems for a variety of public, correctional, educational, laboratory, office, aviation, and transit facilities. He has experience in design of heating, ventilating, and air conditioning systems involving the use of steam, chilled water, hot water, refrigeration, and air distribution systems.

Mr. Hovan has performed engineering analysis, system design, field survey of existing conditions, construction administration, and cost estimating. He has particular expertise in the area of automatic temperature controls and the use of such systems for energy conservation. His projects include (*indicates prior experience):

City of Virginia Beach*
Virginia Beach Detention Center
Virginia Beach, Virginia
– *210,000 sq.ft. office fit-out and duct work cleaning renovation*
– *New 180,000 sq.ft. building that included 12 housing pods, kitchen, intake areas, administration, laundry, warehouse, and vehicle sallyport*

Fayette County*
City of Lexington
Lexington, Kentucky
Design/build of a new 280,000 sq.ft., 2,000-man detention center with housing pods, central plant, kitchen, and administration offices

Department of Justice*
INS Special Processing Center
Port Isabel, Texas
New 24,000 sq.ft. building that included four housing pods for a maximum security facility

Department of Justice*
INS Border Patrol
Tucson, Arizona
– *New 20,000 sq.ft. office building*
– *New 35,000 sq.ft. mixed use building that included two detention pods, office space, and vehicle sallyports*

Department of Defense*
Pentagon
Arlington, Virginia
– *8,000 sq.ft. renovation, fit-out of Shops Consolidation*
– *Army PAE basement renovation and fit-out of office*
– *Renovations and fit-outs of various offices areas to create office spaces*
– *7,500 sq.ft. renovation/creation of Civilian Blood Clinic in corridor*

Mennonite Homes Retirement Community*
Lancaster, Pennsylvania
– *Renovation and Additions*
– *New HVAC system for 45,000 sq. foot renovation of skilled nursing suites, independent living, and transitional living apartments*
– *Central plant expansion to serve renovated areas and additions*

Hershey Medical Center
Hershey, Pennsylvania
– *Project Engineer and HVAC designer for new fitness center*
– *Project Engineer and HVAC designer for West Campus housing*

Education

Bachelor of Science, Mechanical Engineering, 1996, The Pennsylvania State University

Experience

H.F. Lenz Company 2002 – 2006; 2014 to Present
Burt Hill – Stantec 2007 - 2014
Reese Engineering 2006-2007
Daniel, Mann, Johnson, and Mendenhall 1997 - 2002

Professional Registration / Certification

Licensed Professional Engineer in Virginia

Professional Affiliations

American Society of Heating, Refrigeration and Air-Conditioning Engineers

H.F. LENZ COMPANY

Jeffrey A. McKendree, C.E.T.

Fire Protection Designer
NICET Level III Automatic Sprinkler System Layout

Mr. McKendree is a graduate of Eastern Kentucky University's Fire and Safety Engineering program, a program of distinction in the Commonwealth of Kentucky as certified by the Commonwealth of Kentucky Board of Higher Education. Mr. McKendree's experience prior includes conducting site inspections for emergency incident planning in Lower Paxton Township in suburban Harrisburg, Pennsylvania. Typical sites included educational, industrial, manufacturing, and mercantile properties. These plans have been utilized to protect lives and property from the effects of fire through the use of NFPA and local standards for safety.

He is fully knowledgeable of NFPA standards and is experienced in the design of wet, dry, preaction, deluge, and special application fire protection systems. He is responsible for sprinkler system design, layout, and calculations; selection and sizing of fire protection equipment; cost estimates; and site survey work. Mr. McKendree coordinates with other trades, municipal fire protection authorities, utility companies, and with the Project Engineer and project Architect.. Mr. McKendree has been involved in the design of fire protection systems for the following projects:

Forest County State Correctional Institution
Marienville, Pennsylvania
New 700,000 sq.ft. minimum, medium, and maximum security facility to house 2,000 inmates that consists of 19 buildings on a 76 acre site; includes facility administration and security administration buildings

Pine Grove and Coal Township State Correctional Institutions
Pennsylvania
Bridging documents for new 128 cell additions to each L-3 facility

Cambridge Springs State Correctional Institution
Pennsylvania
Bridging documents for new 128 cell addition to an L-3 facility

Forest County State Correctional Institution
Marienville, Pennsylvania
Bridging documents for new 96 cell addition to an L-5 facility

Carnegie Mellon University
Pittsburgh, Pennsylvania
Fire protection designer for the master plan and design of new sprinkler systems and related fire alarm upgrades for the existing 600,000 sq.ft. of University housing.

Westminster College
New Wilmington, Pennsylvania
Fire protection designer for the fire alarm system upgrade for nine residence halls totaling approximately 300,000 sq.ft.

Veterans Affairs Medical Center
Clarksburg, West Virginia
Wings 4A & C - expansion and renovation of approximately 15,000 sq.ft. of existing space converted to new space for the Inpatient Behavioral Health Program

Indiana University of Pennsylvania
Indiana, Pennsylvania
New student housing totaling over 1.3 million sq.ft. – LEED Certified

Education
Bachelor of Science Degree, Fire and Safety Engineering, 1999, Eastern Kentucky University
Associate of Arts Degree, Fire Science Technology, 1997, Harrisburg Area Community College

Experience
H.F. Lenz Company June 1999 – present
Paxtonia Fire Company incident preplanning committee August 1995 - August 1997

Professional Registration / Certification
NICET Level II in Fire Protection Engineering Technology / Automatic Sprinkler System Layout

A. Edsel Smith, Jr.
[redacted]
Phone: Work (304) 269-1363 Mobile [redacted]

EDUCATION

FAIRMONT STATE UNIVERSITY, Fairmont, WV 26554
Bachelor of Science Safety Engineering Technology, December 1994
Associate of Science, Safety Engineering Technology, May 1992

WEST VIRGINIA UNIVERSITY FIRE SERVICE EXTENSION, Morgantown, WV
Many Firefighting, Arson I, II, III, Hazardous Materials and Rescue Classes
NATIONAL FIRE ACADEMY *off Campus through WVU*
Initial Company Tactical Operations, August 1986
Instructional Techniques for Company Officers, March 1988
Hazardous Materials Incident Analysis, September 1989
Initial Response to Hazardous Materials Incident Basic Concept/Concept Implementation Train-the-Trainer, March 1994
Managing Company Tactical Operations: Tactics, September 1994
Incident Safety Officer Train-the-Trainer, July 1996
Basic Life Support for Hazardous Materials Response Train-the-Trainer, July 1997
Managing Company Tactical Operations Preparations, July 1998
Managing Company Tactical Operations Decision Making, July 1998
Emergency Response to Terrorism: Company Officer Train-the-Trainer.

NATIONAL FIRE ACADEMY, Emmittsburg, MD
Training Operations for Small Departments, 2014
Fire Dynamics-Fire Modeling, April 2007
Evaluating Performance Based Designs, June2005
Interviewing-Interrogation Techniques and Courtroom Testimony, September 2004
Fire/Arson Investigations, September 2003
Hazardous Materials Incident Management, May 2002
Plans and Review for Inspectors, August 2001
Principles of Fire Protection Systems, April 1999
Fire Inspection Principles, April 1998

BUREAU of ALCHOL TOBACCO and FIREARMS-*Post Blast Investigations (32 hours) 1997*

NEW MEXICO TECH
Incident Response to Terrorist Bombings, February 15-18, 2005

EASTERN KENTUCKY UNIVERSITY
Bombing Crime Scene Investigations, June 2000

INTERNATIONAL ASSOCIATION OF ARSON INVESTIGATORS (IAAI)-Seminars
Interview and Interrogation Techniques, Tested September 2010
Investigation of the Juvenile Firesetter, Tested May 2010
Modern Fire Investigation Techniques, Tested, November 2009
Forensic Fire Scene Reconstruction, Tested, October 2008
West Virginia Fire Investigation Conference, Tested, October 2007
Vehicle Investigations, Tested, September, 2003
Fire Investigation Fundamentals, Tested, September, 2002
ATF – Advanced Fire Investigations, Tested, March 2002
Fire Investigations, Tested, October 2000

EDUCATION

INTERNATIONAL ASSOCIATION OF ARSON INVESTIGATORS CFI TRAINER
Introduction to Evidence 4 hours Tested, September 10, 2010
Physical Evidence at the Fire Scene 4 hours Tested, September 11, 2010
Fundamentals of Interviewing 4 hours Tested, September 11, 2010
Electrical Safety 3 hours Tested, October 6, 2010
Fundamentals of Residential Building Construction 3 hours Tested, October 7, 2010

PUBLIC AGENCY TRAINING COUNCIL-National Criminal Justice
Fire / Arson Fatality Investigations –Tested September 22, 2006
Kinesic Interview – Phase I, June 2006
Fire Pattern Recognition & Identification, Tested, May 2005
Vehicle Fire Investigations, Tested, June 2005
Hands-On Electrical Fire/Arson Investigation, Tested, October 2005

HARRISON COUNTY FIRE, EMS, and LAW ENFORCEMENT SEMINAR
Bombs and Explosives, April 2000
Interview and Interrogation, April 1999

EMC CODE CONSULTANTS
NFPA 73 Electrical Inspection Code for Existing Dwellings, November 2003

WEST VIRGINIA DEPARTMENT OF EDUCATION
Clandestine Drug Labs, Awareness & Recognition, November 7, 2001

CENTER FOR DOMESTIC PREPAREDNES- HOMELAND SECURITY
JACKSONVILLE STATE UNIVERSITY, Jacksonville, Alabama
NBC Domestic Preparedness Training, June 14, 2001
Emergency Responder Nuclear, Biological and Chemical Responder Operations, June 2001
Emergency Responder Nuclear, Biological and Chemical Awareness, June12, 2001
Emergency Responder Nuclear, Biological and Chemical Incident Command, June 13, 2001
WMD Hazmat Technician Course (COBRA – 24 Hours), April 1, 2004

UNITED STATES DEPARTMENT OF ENERGY TRANSPORTATION EMERGENCY PREPAREDNESS PROGRAM, Sissonville, WV, *March 16-17, 2013*
Modular Emergency Response Radiological Transportation Training Train-the-Trainer

EMERGENCY MANAGEMENT INSTITUTE -National Incident Management System
IS 100 Introduction to the Incident Command System
IS 100 LE.b Introduction to the Incident Command System for Law Enforcement
IS 200 ICS for Single Resources and Initial Action Incidents
IS 300 Intermediate ICS for Expanding Incidents
IS 400 Command and General Staff Expanding Incidents
IS 700 National Incident Management System Introduction
IS 701.a Multiagency Coordination System (MACS)
IS 702.a Public Information Systems
IS703.a Resource Management
IS 00704 Communications and Information Management
IS 800 National Response Plan, an Introduction
IS 00120a An Introduction to Exercises
IS 325 Earthquake Basics Science Risk and Mitigation
IS 00328 Plan Review for Local Mitigation Plans

NATIONAL RESOURCE CENTER FOR OSHA TRAINING-WVU
OSHA 501 A Guide to Voluntary Compliance in Safety and Health Train-the-Trainer Course April 1996
OSHA 510 Occupational Safety and Health Standards for the Construction Industry, September 2011
OSHA 500 Trainer Course for Occupational Safety and Health Standards for Construction Industry, December 2011
OSHA 502, September 2015

Certifications and License

NFPA Certified Inspector II, *April 2008 (recertified) 2011, 2014*
NFPA Plans and Review Examiner I, *November 2002 (Recertified) 2005, 2009, 2011*, 2014
NFPA Fire Inspector I, *October 1999, (Recertified) 2004, 2007*
NPQB/NFPA 1041 Fire Instructor II, *March, 1991*
NFQB/NFPA 472 Hazardous Material Technician *May 2001*
NFQB/NFPA 1021 Fire Officer II, *July 1999*
NFQB/NFPA 1021 Fire Officer I, *August 1998*
NFQB/NFPA 1001 Fire Fighter III, *March 1988*
Electrician License- Apprentice
Pyrotechnic License
Explosives License- Class G
OSHA 500 Authorized OSHA Instructor for Construction Industry Outreach courses
Authorized OSHA 10 & 30 Outreach Trainer
WV Department of Education Teaching Permit- Adult Education
Homeland Security Exercise and Evaluation Program *HSEEP*

Professional Activities

WVU Fire Service Extension, Adjunct Instructor
WV State Fire Chief's Association, Member, Board of Directors (2003 – 2009)
WV State Fire Marshal's Association-Member, Board of Directors (2002-2011)
WV State Fire Marshal's Association- Vice President 2015
WV Department of Education, Regional Education Service Agency, Instructor
Lewis County Hazardous Material Response Team, County Coordinator (2005-2012)
Lewis-Upshur LEPC, Co-Chairman (2003 – 2005)
Lewis County Planning Committee (2012-current), Chairman
Volunteer Firefighter (12/1979 – Current)
West Virginia Office of Emergency Services- Weapons of Mass Destruction
Regional Response Team, March 11, 2003
Reviewed manuscript for Jones & Bartlett, *Fire Inspector: Principles & Practices 2012 Edition*

Professional Expert Witness

***Black vs. St. Joseph's Hospital*,** Expert witness services regarding electrical code compliance and requirements for electrical service after disconnection

Warner vs. City of Morgantown and officials, Expert witness services regarding authority and enforcement of fire code and building code in apartments and buildings.

Hamner vs. Monongahela Power, Expert witness services regarding fire investigation of large loss fire in industrial facility.

Professional Work Experience

Stonewall Safety & Fire Safety Consulting LLC (*Owner/Sole Proprietor*) (6/2012 – Current)

- Consultant for safety programs
- Consult General Industry and Construction safety
- Construction Safety, Authorized OSHA 10 & 30 Hour Outreach Construction Training
- Fire and Life Safety Code Consulting including reviewing plans and site inspections
- Emergency management
- First Aid & CPR Instructor

WVU Fire Service Extension, Adjunct Instructor (1991 – Current)

- Instruct Fire and Rescue courses to Emergency Responders, Fire Service Personnel and Industrial Emergency Responders

Stonewall Jackson Memorial Hospital, Weston, WV (Safety Officer/Emergency Management Coordinator) (12/2011 – 5/2013)

- Safety and Environment of Care inspections
- Report unsafe conditions involving safety and fire code compliance
- Managed Hazardous Communications
- Emergency Management Plans
- New Employee Orientation on Environment of Care, Fire Safety, Security, and OSHA regulations, Hazardous Communications

West Virginia State Fire Marshal, (Retired Assistant State Fire Marshal III) (4/1997 – 1/2012)

- Conduct complex fire safety inspections
- Review Complex building and site plans for Fire Code Compliance
- Perform fire investigations, search scene for physical evidence, analyze evidence, interview witnesses and suspects to obtain corroborative evidence, and prepare detailed investigative reports, prepare for court room testimony
- Train Lower Level and Deputized Fire Marshals, Supervise Lower Level Fire Marshals
- Coordinate, organize, develop, and present classes on public fire safety education
- Speaker for WV State Fire Marshal Office for Fire Safety presentation before Landlords Association of WV
- Speaker for WV State Fire Marshal Office for Fire Safety presentation before WV Hospital Engineers
- Speaker for WV State Fire Marshal Office for Fire Safety presentation before College Engineers
- Speaker and Trainer for WV State Fire Marshal Office for WV State Building Code Officials
- Assisted in Course Development for Deputized State Fire Marshal Program
- Developed Pyrotechnic Operator Course for WV State Fire Marshal Office

Safe-T-Training & Consulting (Owner/Sole Proprietor) (4/1996 – 4/1997)

- Provided Safety Training for General Industry
- Written Safety Programs

Louie Glass Factory, Weston, WV (Safety Manager) (5/1994 – 4/1996)

- Responsible for Safety Audits and Inspections
- Responsible for Written Safety Programs
- Responsible for Development of Safety Committee
- Responsible for Development of Hearing Conservation Program
- Responsible for Development of Confined Space Program
- Responsible for Development of Electrical Lock-out/Tag-out Program