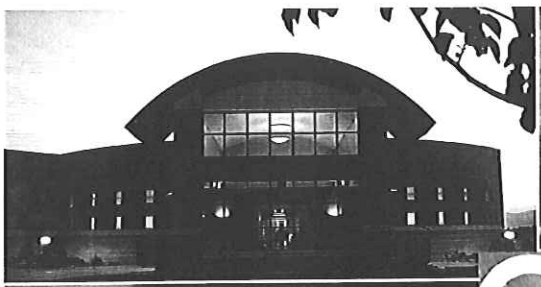
State of West Virginia
Department of Administration
Purchasing Division

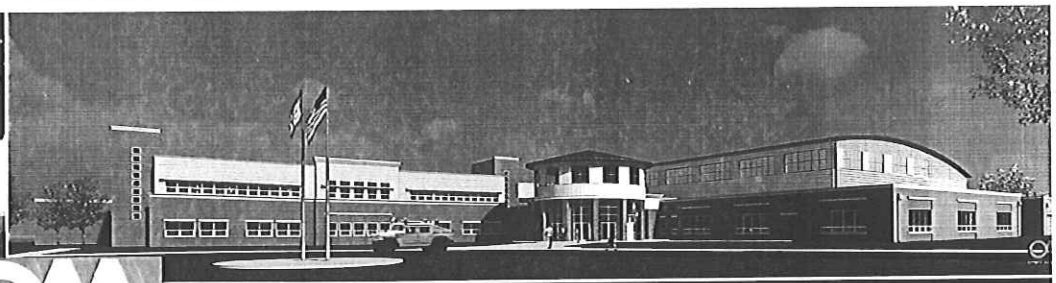
N O T I C E

Due to the size of this bid, it was impractical to scan every page for online viewing. We have made an attempt to scan and publish all pertinent bid information. However, it is important to note that some pages were necessarily omitted.

If you would like to review the bid in its entirety, please contact the buyer. Thank you.

***





Statement of Qualifications

West Virginia Army National Guard
Joint Operations Facility

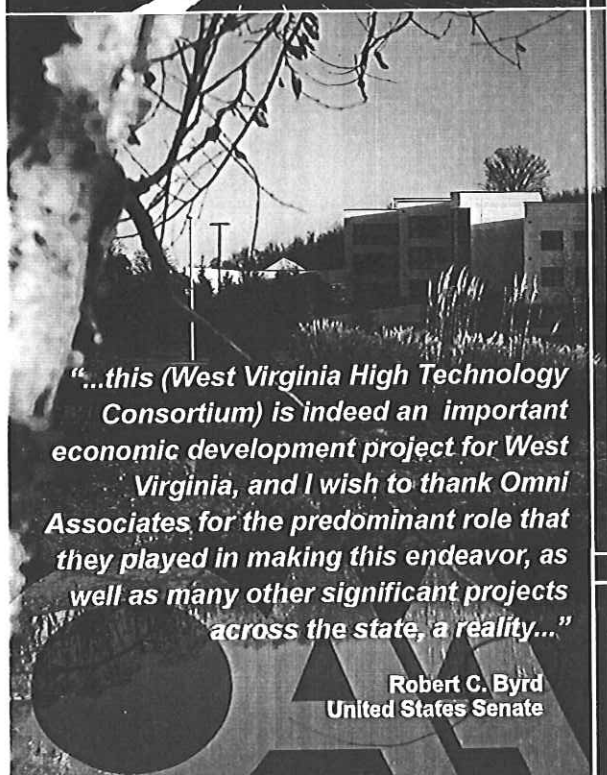
21 July 2011
RFQ# DEFK11031

"...Your availability and professional. administration have been a decided . benefit to the (WVARNG Eleanor Readiness & Maintenance Facilities) projects. Considerin[illegible]th represent approximately [illegible]on dollars, Omni and it[illegible]ultants have prefermed above our [illegible]ctation...the C&FMO would not [illegible]tate in working with you again."

Melvin L. Burch
BG, WV-ARNG
Construction and Facilities Management Officer

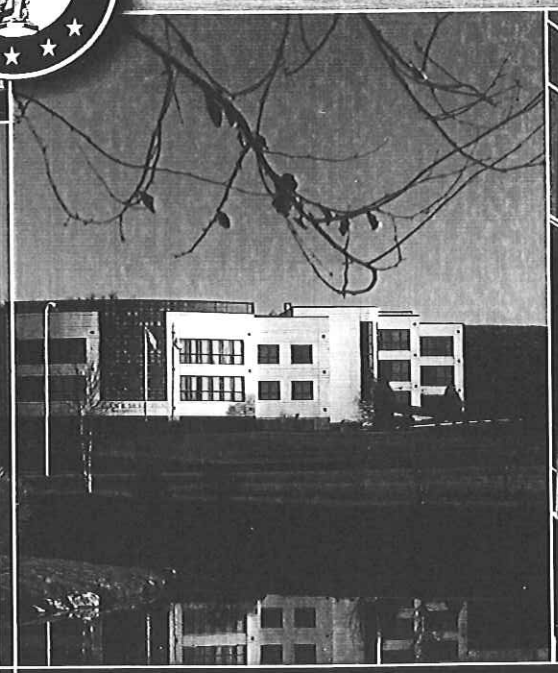
BUILDING Green

ARMY NATIONAL GUARD



"...this (West Virginia High Technology Consortium) is indeed an important economic development project for West Virginia, and I wish to thank Omni Associates for the predominant role that they played in making this endeavor, as well as many other significant projects across the state, a reality..."

Robert C. Byrd
United States Senate



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architects
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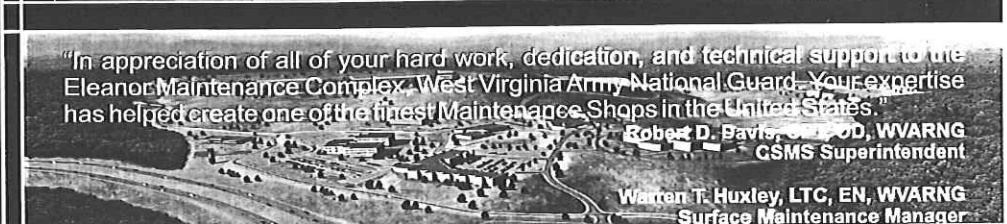

"In appreciation of all of your hard work, dedication, and technical support to the Eleanor Maintenance Complex - West Virginia Army National Guard. Your expertise has helped create one of the finest Maintenance Shops in the United States."

Robert D. Davis, [illegible]OD, WVARNG
CSMS Superintendent

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

Omni Associates - Architects

12 July 2011

LTC David Shaffer
Division of Engineering and Facilities
Armory Board Section
1703 Coonskin Drive
Charleston, WV 25311-1099

RE: RFQ Number: DEFK11031
West Virginia Army National Guard Joint Emergency Operations Facility

Dear LTC Shaffer:

Omni Associates – Architects is very pleased to submit our expression of interest for the **West Virginia Army National Guard Joint Emergency Operations Facility**.

As you aware, I am Colonel in the United States Army Reserves, currently assigned to ARNORTH as the Army's Emergency Preparedness Liaison Officer (EPLO) for West Virginia. This involves working with FEMA, WVARNG Joint Forces HQ, WVDHSEM to provide Department of Defense support in the event of a natural or terrorist emergency in West Virginia. I believe my work in this role will prove to be a significant asset to this project. As Omni's Principal-in-Charge, I will guide this team through the design process and serve as the point-of-contact to the West Virginia Army National Guard.

The team we have put together for this particular project includes **Omni Associates, Architects Design Group, Terradon Corporation, Tower Engineering,** and **Allegheny Design Services**. Our successful history of project collaboration means that we can provide the most cost effective design solution for your program needs.

Architects Design Group is a nationally recognized firm that specializes in the programming and design of Emergency Operation Centers (EOC). ADG has 39 years of previous experience providing needs assessments, master planning, and architectural design services for EOCs and Communications Centers to clients across the nation. ADG's particular expertise and vast experience will be a valuable resource in ensuring the success of this project.

Our team recently completed the new **Allegheny Energy Transmission Control and Operations Center**. This state-of-the-art facility primarily serves as AE's Transmission Operations Control Center, very much similar to an EOC. This around-the-clock facility controls and manages power transmission grid for the entire northeast United States. This area includes a highly advanced data control systems, multiple display systems, sophisticated security control systems along with a Tier III Data Center with multiple redundant systems for power, data, and HVAC.

Our team has proven experience working together on **WVARNG** projects including the **Eleanor AFRC, Eleanor CSMS, Fairmont AFRC, and Buckhannon AFRC**.

Thank you for allowing us to again to present our credentials and we look forward to the opportunity to work with the WVARNG again.

Sincerely,
Omni Associates – Architects, Inc.

Richard T. Forren, AIA, NCARB
Principal

State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER	PAGE
DEFK11031	1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
TARA LYLE
304-558-2544

VENDOR
RFQ COPY
TYPE NAME/ADDRESS HERE

SHIP TO
DIV ENGINEERING & FACILITIES
ARMORY BOARD SECTION

1707 COONSKIN DRIVE
CHARLESTON, WV
25311-1099 304-341-6368

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
06/07/2011				

BID OPENING DATE: 07/12/2011 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		906-00-00-001		

ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL

EXPRESSION OF INTEREST (EOI)

THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, DIVISION OF ENGINEERING & FACILITIES, WV ARMY NATIONAL GUARD, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ARCHITECTURAL ENGINEERING DESIGN SERVICES FOR THE STATE EMERGENCY CRISIS OPERATIONS CENTER IN CHARLESTON, WV, PER THE FOLLOWING BID REQUIREMENTS AND THE ATTACHED SPECIFICATIONS.

MANDATORY PRE-BID

A MANDATORY PRE-BID WILL BE HELD ON 06/22/2011 AT 10:00 AM AT THE NUEMEDIA BUILDING LOCATED AT LOCATION #1, FACILITY BUILD-OUT, PARCEL B, LOT 10 NORTHGATE BUSINESS PARK, CHARLESTON, WV. ALL INTERESTED PARTIES ARE REQUIRED TO ATTEND THIS MEETING. FAILURE TO ATTEND THE MANDATORY PRE-BID SHALL RESULT IN DISQUALIFICATION OF THE BID. NO ONE PERSON MAY REPRESENT MORE THAN ONE BIDDER.

AN ATTENDANCE SHEET WILL BE MADE AVAILABLE FOR ALL POTENTIAL BIDDERS TO COMPLETE. THIS WILL SERVE AS THE OFFICIAL DOCUMENT VERIFYING ATTENDANCE AT THE MANDATORY PRE-BID. FAILURE TO PROVIDE YOUR COMPANY AND REPRESENTATIVE NAME ON THE ATTENDANCE SHEET WILL RESULT IN DISQUALIFICATION OF THE BID. THE STATE WILL NOT

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
	304-367-1417	08 July 2011

TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE
Principal	55-0747253	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER	PAGE
DEFK11031	2

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ACCEPT ANY OTHER DOCUMENTATION TO VERIFY ATTENDANCE. THE BIDDER IS RESPONSIBLE FOR ENSURING THEY HAVE COMPLETED THE INFORMATION REQUIRED ON THE ATTENDANCE SHEET. THE PURCHASING DIVISION AND THE STATE AGENCY WILL NOT ASSUME ANY RESPONSIBILITY FOR A BIDDER-S FAILURE TO COMPLETE THE PRE-BID ATTENDANCE SHEET. IN ADDITION, WE REQUEST THAT ALL POTENTIAL BIDDERS INCLUDE THEIR E-MAIL ADDRESS AND FAX NUMBER.

ALL POTENTIAL BIDDERS ARE REQUESTED TO ARRIVE PRIOR TO THE STARTING TIME FOR THE PRE-BID. BIDDERS WHO ARRIVE LATE, BUT PRIOR TO THE DISMISSAL OF THE TECHNICAL PORTION OF THE PRE-BID WILL BE PERMITTED TO SIGN IN. BIDDERS WHO ARRIVE AFTER CONCLUSION OF THE TECHNICAL PORTION OF THE PRE-BID, BUT DURING ANY SUBSEQUENT PART OF THE PRE-BID WILL NOT BE PERMITTED TO SIGN THE ATTENDANCE SHEET.

CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.

BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.

TECHNICAL QUESTIONS CONCERNING THIS SOLICIIATION MUST BE SUBMITTED IN WRITING TO TARA LYLE VIA MAIL AT THE ADDRESS SHOWN IN THE BODY OF THIS EOI, VIA FAX AT 304-558-4115, OR VIA EMAIL AT TARA.L.LYLE@WV.GOV.

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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DEADLINE FOR ALL TECHNICAL QUESTIONS IS 06/28/2011 AT THE CLOSE OF BUSINESS. ANY TECHNICAL QUESTIONS RECEIVED WILL BE ANSWERED BY FORMAL ADDENDUM ISSUED BY THE PURCHASING DIVISION AFTER THE DEADLINE HAS LAPSED.

NOTICE

A SIGNED BID MUST BE SUBMITTED TO:

DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
BUILDING 15
2019 WASHINGTON STREET, EAST
CHARLESTON, WV 25305-0130

THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:

SEALED BID

BUYER:----------TL/32----------

RFQ. NO.:----------DEFK11031----------

BID OPENING DATE:------07/12/2011----------

BID OPENING TIME:------1:30 PM----------

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

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State of West Virginia
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER	PAGE
DEFK11031	4

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LINE	QUANTITY	UOP	CAT. NO	ITEM NUMBER	UNIT PRICE	AMOUNT

PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:

304-367-1418

CONTACT PERSON (PLEASE PRINT CLEARLY):

Richard T. Forren AIA, NCARB

****** THIS IS THE END OF RFQ DEFK11031 ****** TOTAL:

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE

TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

EXHIBIT 10

REQUISITION NO.: DEFK110 31

ADDENDUM ACKNOWLEDGEMENT

I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.

ADDENDUM NO.'S:

NO. 1 ✓

NO. 2 .....

NO. 3 .....

NO. 4 .....

NO. 5 .....

I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS. VENDOR MUST CLEARLY 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.

.....
SIGNATURE

Omni Associates - Architects, Inc.
COMPANY

19 July 2011
DATE

REV. 11/96

RFQ No. DEFK11031

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

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

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

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

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

WITNESS THE FOLLOWING SIGNATURE

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

Authorized Signature: _____ Date: 8 July 2011

State of West Virginia

County of Marion, to-wit:

Taken, subscribed, and sworn to before me this 8 day of July, 2011.

My Commission expires 9 FEB., 2021.

AFFIX SEAL HERE

NOTARY PUBLIC _____

OFFICIAL SEAL NOTARY PUBLIC
STATE OF WEST VIRGINIA
ANGELA HAMMOND
RR2 Box 331 B Fairmont WV 26554
My Commission Expires February 9, 2021

State Emergency Crisis Operation 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: dave@omniassociates.com
World Wide Web: www.**omni**associates.com

West Virginia
Army National Guard

RFQ Number:
DEFK11031

Buyer:
TL/32

Opening Date:
07/12/2011

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1:30 PM

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- Electronic Submission of Project Documents
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- Time and Budget
- LEED™
- Building Code Compliance

Project Team Qualifications (pages 9-15)
- Project Team Introduction
- Key Consultants Overview
- Qualified Personnel

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Project Examples

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Programming, Planning and Design Approach

The architectural firm that you select will be one that will work with you over the upcoming years. It is our endeavor to continue our relationship with the West Virginia Army National Guard and users. Omni Associates – Architects carefully selects our project teams based on each member's ability to add directly-related experience, ensuring our ability to meet the specific challenges and goals of each project. Our dedicated and experienced staff brings a unique level of ingenuity to every project.

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 to effectively manage and perform multiple task orders of any size.**

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 allows us to respond expeditiously and cost effectively to our client's needs.

We listen, then lead, translating your wishes and needs to hardscapes that not only meet your current needs but will be manageable, flexible and timeless.

Architectural programming is a critical step in the design process, especially when highly technical buildings are involved. Programming includes value identification, goal setting, discovery of related facts, and development of specific project requirements. Owners recognize the benefit of programming services with buildings that better serve their needs.

It is essential not to jump to conclusions related to the design of a facility. We believe it is vital to keep our clients involved in every aspect of the process. One significant communication tool utilized at the onset of a project is to visit similar facilities in order to stimulate interactive thought related to the project and to give all members of the team insight as to the expectations of each individual.

Omni has conducted feasibility studies for many of our clients. It is crucial to determine whether a proposed project site is properly zoned, offers necessary services, and is appropriately sized and configured for a particular project. Our knowledge of applicable land use and building codes and regulations provide valuable information prior to commencing design work. In depth cost vs. benefit analyses allow owners to confidently determine whether it is to their advantage to utilize exiting structures or construct new facilities. For large projects and extensive programs that will develop of over time, we also recommend development of a master plan before programming for any particular building or facility.

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"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

Omni Associates - Architects has created a team of designers and engineers who provide services for the specific needs of this project which includes compliance with performance schedules.

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

We also encourage early design charrettes involving the entire professional and client team. From the charrettes, we assemble image boards and early conceptual diagrams. The image boards that we produce will begin to define the feel and character of the final project. We have found that the image boards help the entire team start to sense what the project is and can be. Schematic plans derived from your program requirements will follow all the time, keeping in mind the images that were assembled. We will offer alternatives for discussion and from there move through the remainder of the design process.

Your project shall be a unique design that derives from strategic planning recognizing the site context along with the design input of all the participants. The process is integral and requires close communication. To that end, we have implemented a feed-back process for every stage of a project to ensure that the program needs of the client are met and that the Contract Documents reflect the intent as well as the content of the design. Owners' representatives are not only present but heavily involved with all project meetings so that any decisions to confirm or change an owner's program needs can be addressed directly during each step of construction.

The Architect is a liaison for decisions to and from the owner and the prime coordinator to all consulting engineers and contractors during construction.

Omni 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, including University Design Guidelines and Construction Standards, are met. This is critical as project goals are typically not fixed but 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.

Many projects that follow a more traditional linear approach eventually suffer from a lack of continuity of ideas. Omni uses a circular approach in which all stake-holders are involved throughout the entire project schedule. This allows everyone to continuously evaluate and make decisions in an ongoing process and avoids reworking design documents, which can lead to loss of time and money. The WVARNG will benefit from this type of organization that manages the flow of information and allows for flexibility during the Project process.

Omni Associates – Architects, Inc. 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 provide clients with the results they value most: innovative designs consistent with the building program, cost effective designs which meet the budget, and efficient management to provide on-time deliverables and completion. We are a proven team that listens to our clients, produces a quality product, and provides professionalism and attention to detail – from the first sketch to the completed project. These are qualities that appeal to our clients and draw them back for future projects, resulting in lasting relationships. That's why we enjoy a repeat client rate of more than 90% - a source of considerable pride.

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Background with Similar Projects

West Virginia
Army National Guard

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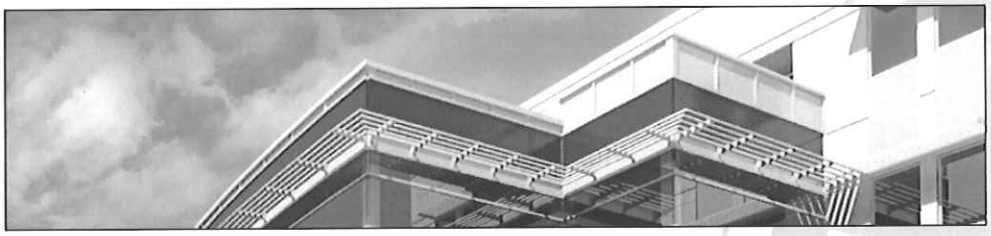
1:30 PM

Our project team offers a background of distinctive projects that include features similar to the WVARNG State Emergency Operations Facility. Over the past five years, we have had the opportunity to design valuable and prominent structures that include data centers, control and command centers, computer labs, conference rooms, and office space.

Most notable is the Allegheny Energy Transmission Control and Operations Center. Completed in September 2010, this state-of-the-art facility serves as the center for Allegheny's multi-state energy transmission functions, including around-the-clock management of the electric grid. The building houses the Transmission Operations Control Center, a Data Center, Class A commercial office space, and all associated electrical, mechanical, and support facilities. Highly sophisticated security control systems were a crucial element in the design of the facility which includes access levels ranging from less-secure general office space to the highly secure Control Center and Data Center. The Transmission Operations Control Center and Data Center is constructed to meet a site infrastructure performance rating of Tier III and is seeking LEED™ Certification.



Neighboring the Allegheny Energy building is 5000 NASA Boulevard. Two twin multi-tenant structures are physically connected on the fifth floor by a 6,000 square foot bridge-like conference center. Like the Allegheny building, 5000 NASA features private office space and shared facilities as well as small and large rooms for training, meetings, and video conferencing.

Also incorporating office space, meeting space and training space is the new Armed Forces Readiness Center in Fairmont, West Virginia. Security control is an important consideration for this facility which includes administrative, educational, assembly, library, learning center, vault, weapons simulator and physical fitness areas as well as a public civic center.

Our recent data center experience also includes the State Medical Coordination Center and the West Virginia Data Center, situated in the Braxton Technology center. The State Medical Coordination Center occupies the 9,200 square foot third floor and serves as a centralized statewide resource center to coordinate and manage communications for triage, transfer and treatment of severely injured or seriously ill patients. The Coordination Center operates 24 hours a day, seven days a week and is equipped with six offices; two conference rooms; a large classrooms for training sessions that can be divided into two smaller spaces with an operable partition wall; telecommunications equipment; an employee break room, kitchen, restroom, shower and sleeping quarters; a file room; public restrooms; and an independent heating, ventilation and air conditioning system. The West Virginia Data Center will provide electronic storage of state records and includes a climate-controlled server room with emergency generator back-up power.

Allegheny Energy Transmission Control Center
Contact: Ms. Linda Moss
Phone: 301.790.6413
Size: 148,000 square feet
Cost: $34 Million

5000 NASA Boulevard
Contact: Mr. Brad Calendrelli
Phone: 304.366.2577 ext. 233
Size: 130,000 square feet
Cost: $18 Million: Building Shell
$2 Million: Site

Armed Forces Readiness Center, Fairmont, WV
Contact: BG Melvin Burch
Size: 91,500 sf
Cost: $25 Million

West Virginia Data Center
Contact: Ms. Terrell Ellis
Phone: 304.342.6972
Size: 5,000 square feet
Cost: $300,000

State Medical Coordination Center
Contact: Ms. Terrell Ellis
Phone: 304.342.6972
Size: 9,200 square feet
Cost: $750,000

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Technical Competencies

Omni Associates – Architects, Inc. is an award-winning architectural firm located in Fairmont, West Virginia. Since its inception in 1980, OMNI has earned recognition as a specialist in the programming, planning, and design of a wide variety of facilities including healthcare facilities, commercial offices, high technology centers, education facilities, and military facilities.

Omni's professional staff is comprised of dedicated, experienced, and creative individuals. Our skilled team includes **6 registered architects**, intern architects, computer-aided design specialists, and knowledgeable administrative support staff. Their quality, expertise, and dedication integrate to produce the solid foundation upon which Omni has built its reputation.

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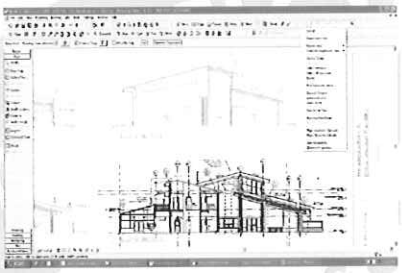
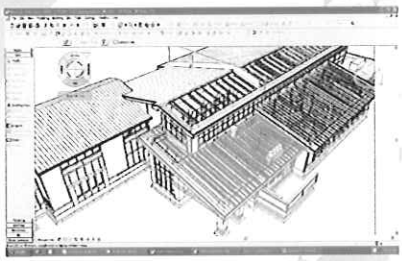
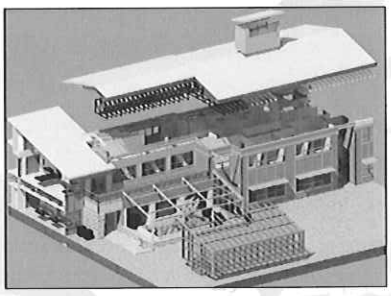
BIM: Building Information Modeling

Autodesk Revit Architecture 2011 Certified Associate — Autodesk

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 first considered the transition from traditional CAD software to Autodesk REVIT Building Information Modeling (BIM). We recognized the benefits to both designers and owners of sharing a model among all of the design disciplines: more efficient, cost-effective projects, and an accurate building model that can later assist in energy analysis and building management. Omni implemented the use of BIM (REVIT) as our primary software platform for all projects in 2006. As an authorized BETA software tester for Autodesk, Omni was provided the opportunity to test next generation software before it was released to the general public.

Omni staff member Reuben Losh is now an Autodesk Revit Architecture 2011 Certified Associate. 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. 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.

In utilizing BIM on these recent projects, we have found that 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. Sharing the model between all disciplines as the design progresses allows early input from all of the design professionals involved, resulting in efficient designs. 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.

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Feasibility Studies

Omni has conducted feasibility studies for many of our clients. It is critical to determine whether a proposed project site is properly zoned, offers necessary services, and is appropriately sized and configured for a particular project. Our knowledge of applicable land use and building codes and regulations provide valuable information prior to commencing design work. In depth cost vs. benefit analyses allow owners to confidently determine whether it is to their advantage to utilize exiting structures or construct new facilities. For large projects and extensive programs that will develop of over time, we also recommend development of a master plan before programming for any particular building or facility.

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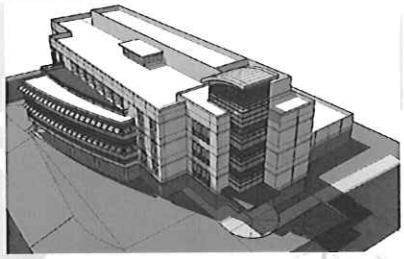
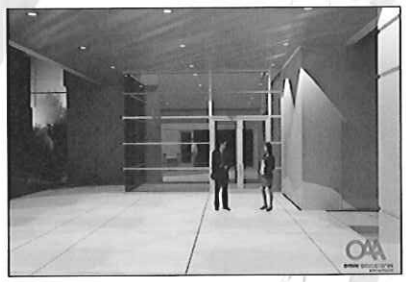
Electronic Submission of Project Documents

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 between 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.





Cost Estimating

We take pride in our approach to solving our client's aesthetic goals while meeting budgetary constraints. **Public bids for our three most recent projects have come in at or below project budgets.** Omni utilizes several methods of cost estimating to assist our clientele in project budgeting. Whenever possible, Omni utilizes historical data from previous projects. Often, we work with leading construction firms in our region and seek their professional guidance in project cost estimating. They evaluate a set of progress prints provided by our firm to determine estimated construction costs. We also subscribe to construction-estimating periodicals such as *Means Square Foot Costs*. These resources provide reliable costs of construction for various construction types.

Bidding and Construction Administration Services

Omni provides construction administration services on all of the projects we undertake. We also provide full bidding services on all projects utilizing the traditional design-bid-build delivery method. 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.

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Building Code Compliance

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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 25 years.

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).

Other sources include 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.

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. Omni Associates – Architects is a known quality provider with fifteen years of experience in performing for the West Virginia High Technology Consortium Foundation (WVHTCF) in regards to quality of work, cost control, and compliance with performance schedules. We had the unique experience of working on the WVHTCF Incubator Center project which involved four separate government agencies, each with its own quality and performance guidelines. Not only was this project delivered on-time and within the budget but many of these agencies expressed surprise in the ease of the development of the project.

Additional Services

Finally, Omni's services extend well beyond architectural design. We have advised many clients in areas of Building Code compliance, Project Life Planning, Cost Estimating and Professional Presentation Preparation. We endeavor to help our clients develop strategies before design and long after construction completion.

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LEED™ (Leadership in Energy and Environmental Design)

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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 two LEED Accredited Professionals. Terradon Corporation and Tower Engineering also include LEED Accredited Professionals.

Canaan Valley Institute's new 28,866 square feet headquarters and education facility located in Davis, West Virginia serves as a center for research into water and wastewater issues. In accordance with CVI's mission, the Omni design team planned a "green" building that demonstrates environmentally friendly systems to visitors. It is among the first conference facilities in West Virginia to achieve Silver LEED™ Certification.

Omni is also the Architect for Allegheny Energy's new Transmission Control Center in Fairmont, West Virginia. The new construction project is seeking LEED™ (Leadership in Energy and Environmental Design) Certification.

Our current LEED projects include:

- Allegheny Energy Transmission Headquarters—Seeking Certification under LEEDv2.2
- WVARNG Fairmont Armed Forces Readiness Center—Following LEED standards but will "self-certify".
- GSA Fairmont Office Complex—Seeking Certification under LEEDv3
- GSA Charleston Office Complex—Seeking Silver Certification under LEEDv3

Tower Engineering also takes great pride in implementing environmentally conscious solutions to building issues. Tower designs building systems that use material, energy and water resources efficiently, minimize site impacts, and address health issues relating to the indoor environment. In addition to being a member of the U.S. Green Building Council, Tower Engineering's staff includes LEED Accredited professionals.

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

Project Team Qualifications

Primary Contact:

Richard T. Forren AIA, NCARB
Omni Associates - Architects, Inc.
1543 Fairmont Avenue, Suite 201
Fairmont, WV 26554
Voice: 304.367.1417
Email: rforren@omniassociates.com

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Project Team Introduction

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. The Omni project team goes beyond our in-house staff to include consultants, client representatives, owners, and a construction manager, as required. The involvement of project team members in all phases and facets of a project allows us to combine broad experience and personal accountability. 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.

It is these sensitivities that have dictated the creation of this team to include Omni Associates - Architects, Architects Design Group, Allegheny Design Services, Tower Engineering, and Terradon Corporation.

Omni Associates – Architects, Inc.

Omni Associates will serve as the lead firm and coordinator of architectural and engineering services for the WVARNG State Emergency Operations Facility. Omni has extensive experience with planning, design, program/project management, and construction administration. 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. We believe that our variety of work sets us apart as the best qualified architectural firm for your project.

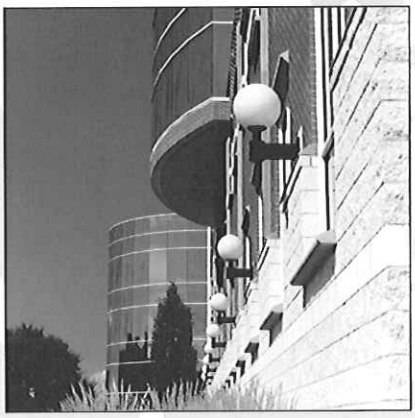
Omni works "hands-on" with the stakeholders of a project and has a very fluid approach to design and documentation. The advantage is that contact is immediate. This level of communication is not achieved by long-distance communications and formal meetings. Fairmont State University, the City of Fairmont, WVU Hospitals, Mylan Pharmaceuticals and The West Virginia High Technology Consortium Foundation have selected Omni Associates for numerous projects and have benefited from our accessibility and "hands-on" approach.

In order to guarantee a constant level of dedication and commitment, it is Omni's philosophy that a principal remains with the project from commencement to completion. Richard T. Forren AIA, NCARB, shall serve as principal in charge.

In the following sections, we have provided a considerable amount of information that demonstrates the qualifications, experience, and expertise of the team we have specifically chosen for WVARNG Joint Emergency Operations Facility. We are confident that we can provide the close communication and superior services you require.

Mylan Laboratories

Omni Associates is especially proud of its continuing 15-year working relationship with Mylan Laboratories, the nation's largest generic pharmaceutical manufacturer.



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Architects Design Group

Design Architect

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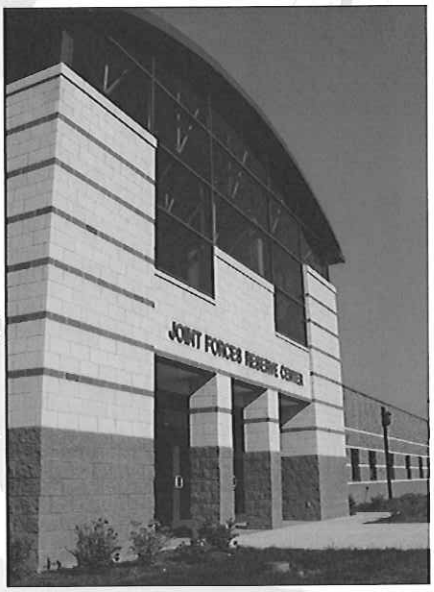
Architects Design Group is a national firm specializing in the design of Police, Emergency Operations and 911 Center Facilities. ADG believes in the tenants of authentic, contemporary architecture and directs their practice to achieve the highest standards of design quality.

Architects Design Group was established in 1971 by I.S.K. Reeves V, F.A.I.A. as a full service architectural and planning firm. Located in Winter Park, Florida, with a branch office in Fort Myers, Florida, ADG has since grown to a medium-size firm averaging approximately forty employees. The firm provides planning and design services nationally with many of these projects being featured in national and international publications.

Over the years, ADG has narrowed its focus from a diversity of project types, to a smaller number of area specializations. The primary areas of expertise include providing planning, programming, design and construction administration services specialized projects, including law enforcement, fire rescue, emergency operations centers (EOC's), public works, transportation, municipal, judicial and cultural facilities. These representative project types reflect their knowledge and expertise of facility design for complex projects as well as their ability to focus collective talents toward innovative applications.

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

Architects Design Group has several separate but intersupporting design studios, each directed by a registered architect. The studio director whose experience best relates to each project serves as the project designer and primary client contact. Additionally, each project is overseen by the firm's principal designer and founder, Keith Reeves.



ADG is proud to have earned numerous national, regional, and local awards, which reflect our abilities to solve complex design challenges, utilize the most innovative and cost effective techniques, maximize space function ability and achieve the highest level of overall quality. The result is an environment that encourages efficiency and productivity in an aesthetically appropriate environment.

It is important to note that ADG's primary responsibility is to consider and engage architecture as an art form. In essence they are committed to the basic premise of design excellence and architecture that is timeless.

ADG's experience with Emergency Operations Centers includes the following projects:

- Osceola County Joint Communications/Emergency Operations Center
- Gulf Coast / Bay County EOC
- Clay County EOC
- Martin County EOC/Public Safety Complex
- Hernando County Emergency Operations and Communications Center
- DCA Guidance Publication
- Okeechobee County EOC
- Palm Beach County Emergency Operations Center
- St. Lucie County Emergency Operations Center

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Terradon Corporation

Civil Engineering

Terradon is regarded as one of the region's leading land and infrastructure planning and design firms. The firm has built its reputation by providing cost effective design solutions and maintaining the highest level of customer service. The company was formed in 1989, and its staff includes engineers, landscape architects, surveyors, planners, real estate specialists, environmental scientists, designers, and technicians. Terradon offers a wide range of engineering and environmental services and is particularly suited to land and infrastructure design and development in the mountainous areas of West Virginia

Tower Engineering, Inc.

Mechanical, Electrical and Plumbing Engineering

Tower has been providing innovative mechanical and electrical engineering solutions and unparalleled client service since 1931. Through past experience, they have learned the importance of designing to allow adaptability for future growth and change. Their knowledge and design of special ventilation systems, code requirements, piping and hazardous materials handling are essential to our clients. The health and safety of the occupants of any facility depend upon the proper design of the mechanical and environmental control systems serving it.

Tower Engineering's highly-trained staff of project managers, designers, and technical support personnel utilizes state-of-the-art computer software programs for the design of lighting, electrical power and mechanical systems. Their experience includes numerous projects that include medium voltage distribution upgrades. Electrical power analysis capabilities include fault current, voltage drop and arc-flash studies. Lighting analysis includes point-by-point calculations, exterior lighting analysis, and life cycle cost comparisons. Mechanical analysis includes energy economy analysis, thermal storage analysis, heating and cooling load calculations, refrigerant piping design, water piping design, and ductwork design.

Allegheny Design Services

Structural Engineering

Allegheny Design Services is a consulting engineering firm specializing in structural building design and building analysis. With over 25 years of experience, ADS provides all phases necessary for the successful completion of a building project from schematic design studies to construction administration. ADS currently utilizes the latest engineering design and drafting software for the development of project work. ADS consistently delivers projects up to $25 million in construction value. Building systems delivered by ADS include structural steel, reinforced concrete, precast concrete, and structural timber.

Qualified Personnel

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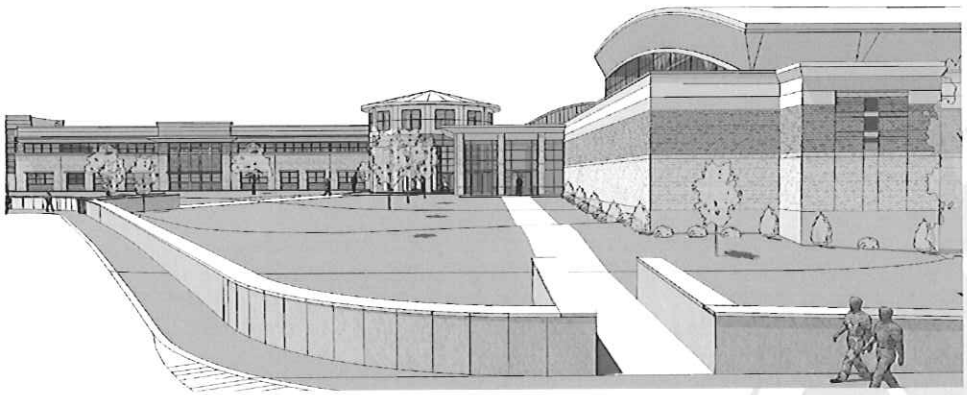
Richard T. Forren AIA, NCARB
Omni Associates—Architects
Project Architect

Richard T. Forren is a Principal and Project Architect in charge of design and construction for Omni Associates - Architects since 1984. He received his Master of Architecture degree from Virginia Polytechnic Institute & State University in 1983 after previously receiving a Bachelor of Science Degree, Civil Engineering Technology in 1980 from Fairmont State College.



As a Principal-in-Charge and Project Architect, Mr. Forren'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; and 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. Project occupancy types include health care, business, recreational, educational, religious, municipal and military construction (MILCON) with single project construction budgets in excess of $35 million.

Mr. Forren's public client list includes: West Virginia University, Fairmont State College, West Virginia High Technology Consortium Foundation, United States General Services Administration, West Virginia General Services Administration, City of Fairmont, City of Morgantown, City of Bridgeport and Marion County Board of Education. Most recently, Mr. Forren served as Project Architect for two WVARNG projects: a 130,000 sq. ft. ($18 million) Maintenance Facility as well as a 78,000 sq. ft. ($12 million) Readiness Center located in Eleanor, WV. He is presently serving as Project Architect for the WVARNG Fairmont Armed Forces Reserve Center.

Mr. Forren is a Colonel in the United States Army Reserves. He is currently assigned to the Fifth United States Army as the Army's Emergency Preparedness Liaison Officer (EPLO) for West Virginia. This involves working with FEMA, The Office of Emergency Management and the Department of Homeland Security to assist in providing Department of Defense support in the

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event of a regional or national emergency. Throughout his career in the Army Reserves, while serving with the Corps of Engineers, he has been directly involved with the design & construction of a wide variety of military humanitarian projects in Korea, Germany, El Salvador, and Panama.

Mr. Forren is a long-time member of the American Institute of Architects (AIA) and the West Virginia Society of the American Institute of Architects. He is certified by the National Council of Architectural Registration Boards, NCARB Certified #53567, which through reciprocity allows nationwide registration and licensing.

Mr. Forren has served as an instructor of Architecture at Fairmont State College, Fairmont, West Virginia, and he currently serves on the Fairmont State University Faculty Advisory Committees for both Civil Engineering and Architectural Engineering. Mr. Forren also currently serves as a member of the Architectural Review Committee for the I-79 Technology Park and as a member of the Bridgeport City Planning Commission, where he has been the past President of the Commission and has served since 1988.

I.S.K. Reeves V, FAIA
Architects Design Group
Design Architect

I.S.K. Reeves, V founded Architects Design Group in 1971. As CEO and the Principal Designer of the firm, his career spans three decades, and his awarded-winning work results from an international perspective fostered by a culturally diverse staff and well-traveled life.

As the son of a naval officer, Keith has lived, worked and traveled around the world. In 1964, he earned his degree in Architecture from the University of Florida. Soon there after, he was selected as one of 32 graduating architectural students from across the United States to serve in the Peace Corps in Tunisia. In 1997 he received the Distinguished Alumnus Award from the University of Florida, School of Architecture, "In recognition of exceptional contribution to the architectural education and professional practice."

Through his research and lecture series on color, building survivability, and design excellence, Keith has been a featured guest speaker at numerous architectural schools, design conferences, and professional organizations. His work, and that of ADG, has been published both nationally and internationally, recognized with design awards on the local, state and national level. Keith has been elevated to the American Institute of Architects' prestigious College of Fellows and is also the recipient of the Florida American Institute of Architects Award of Honor for Design, "....given annually to an architect whose body of work speaks to the premise of design excellence...."

ADG, under his leadership, was selected as the Florida American Institute of Architects Firm of the Year, for 2002-2003, in recognition "of outstanding achievement in design, community service, education, and service to the profession and the AIA..."

Kevin Ratigan, AIA, LEED AP
Architects Design Group
Design Architect

Kevin Ratigan is Senior Vice President and Principal of Architects Design Group. He has nearly three decades of experience in master and strategic planning of projects. The result is a portfolio diverse in project scope and type with areas of specialization in environmental sustainability.

Kevin joined ADG in 1990 after working as the lead architect for the Energy Conservation and Research Group of the Smith Group in Detroit, Michigan and at several Central Florida architectural firms. As a Design Studio Director, he is responsible for the management of projects and often serves as the Project Architect on a wide variety of law enforcement, public safety, fire stations, emergency operations centers, municipal complexes, public works complexes and cultural facilities. The focus of these projects often includes the integration of sustainable ("green") architectural design strategies.

His academic credentials include a Master of Arts in Architecture from the University of Detroit and a Bachelor of Environmental Studies. His research on energy conservation building technologies resulted in invitations to lecture at the University of Michigan and the University of Detroit as well as several published articles. He has also co-authored research on sustainable architecture while a teaching fellow at the University of Detroit, School of Architecture.

Kevin has served as the Past President and a member of the Board of Directors for the Orlando Chapter of the American Institute of Architects and has served as a Director of Florida / American Institute of Architects.

James N. Kosinski, P.E.
Tower Engineering, Inc.
Project Manager – MEP HVAC Engineering

Mr. Kosinski has eighteen (18) years of experience as a mechanical engineer, primarily responsible for the design of HVAC systems and their components for hospitals, schools, universities, laboratories, office buildings, and commercial and light industrial facilities. He has experience with the design of numerous types of HVAC systems, including constant and variable air volume air handling, geothermal heat pump and exhaust systems, chilled water and hot water, electric/electronic, pneumatic and DDC control systems. Mr. Kosinski's design responsibilities include load calculations, equipment selection, system layout, project specifications, cost estimates, direction of project drafting efforts, coordination with other engineering disciplines, and construction administration. Additional responsibilities include system analysis and energy studies, client contact, and project management and scheduling.

Mr. Kosinski has performed energy conservation analysis, evaluated HVAC system performance, and justified the installation of DDC control systems and other energy saving measures.

Mr. Kosinski holds a Bachelor Architectural Engineering from Penn State University. He is licensed to practice engineering in the states of West Virginia, Pennsylvania, and Michigan. He is a member of the American Society of Heating, Refrigeration & Air Conditioning, Engineers (ASHRAE) and the Association of Energy Engineers.

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"...this (West Virginia High Technology Consortium) is indeed an important economic development project for West Virginia, and I wish to thank Omni Associates for the predominant role that they played in making this endeavor, as well as many other significant projects across the state, a reality..."

Robert C. Byrd
United States Senate

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Mr. David R. Simpson P.E., SECB, MBA
Allegheny Design Services
Project Manager – Structural Engineering

Mr. Simpson established Allegheny Design Services in 2002 as a result of a need in North Central West Virginia for reliable structural engineering services. Mr. Simpson is responsible for project management and design at Allegheny Design Services. His experience includes over 24 years in structural design and project management for industrial, commercial, institutional, and nuclear/ chemical facilities utilizing steel, concrete, masonry, and wood. Past accomplishments include design and construction administration of health care facilities, hotels, schools, shopping centers, aircraft hangars, numerous retail facilities, and numerous forensic engineering assignments.

Mr. Simpson holds a B.S. Civil Engineering degree from West Virginia Institute of Technology, a Masters of Business Administration from West Virginia University, and an Architectural Technology degree from West Virginia State College. Mr. Simpson is licensed through the Structural Engineering Certification Board in the states of West Virginia, Pennsylvania, Maryland, Virginia, and the District of Columbia.

Mr. Simpson is a member of the following professional organizations: American Society of Civil Engineers, Structural Engineering Institute, American Concrete Institute, American Institute of Architects – West Virginia Chapter, American Institute of Steel Construction, Inc., and the American Iron and Steel Institute.

Gregory D. Fox, ASLA, LEED AP
Terradon Corporation
Project Manager – Civil Engineering

Mr. Fox manages Terradon's Landscape Development services and has grown Terradon's Land Development group into a premier design and consulting group throughout West Virginia and its surrounding states. Mr. Fox has been responsible for a number of notable site development projects since joining Terradon in February of 2000. His group earned 2001 and 2002 Engineering Excellence Awards from the West Virginia Association of Consulting Engineers. In 2005, their design of the West Virginia Division of Environmental Protection Headquarters Building received the Gold Award from the American Council of Engineering Companies.

Mr. Fox holds a B.S. Landscape Architecture degree as well as a B.A. Geography and Planning degree, both from West Virginia University.

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West Virginia Army National Guard
CONSTRUCTION & FACILITIES MANAGEMENT OFFICE
1703 Coonskin Drive
Charleston, West Virginia, 25311-1085
(P) 304-561-6446 (F) 304-561-6458 (DSN) 623-6446

10 April 2000

The OMNI Associates Architects
1543 Fairmont Avenue, Suite 201
Fairmont, West Virginia 26554

Attn: Mr. Richard Forren, A.I.A.

Mr. Forren

The West Virginia Army National Guard, Construction and Facilities Management Office, has been working with your firm, and related consultants, for little over two years. During that time OMNI has been most receptive and responsive to the difficult design processes encountered for the Eleanor Complex. Your availability and professional administration have been a decided benefit to the projects. Considering both represent over 240,000 square feet and approximately $30 million dollars, OMNI and its consultants have performed above our expectations.

It has been a pleasure working with you on these projects, and we look forward to their completion with your firm.

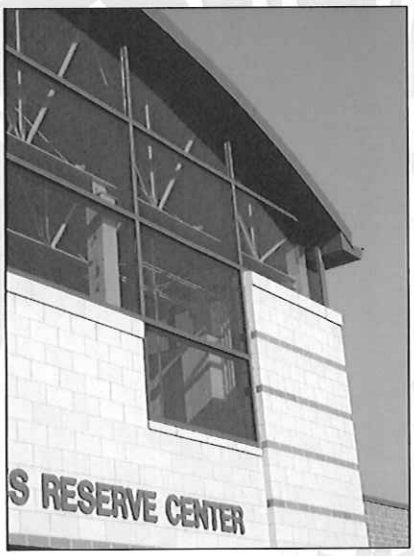
Should OMNI Associates wish to provide professional services for our many future projects, the C&FMO would not hesitate in working with you again.

Melvin L. Burch
COL, EN, WV-ARNG
Construction and Facilities Management Officer

Administration
COL Melvin L. Burch
COL Donald R. Beightol, R.P.F.
Mr. Samuel W. Peal
Ms. Nancy Casto
Ms. Charis Ellis

Planning & Construction
CPT Garrett B. Cottrell, P.E.
Mr. Todd E. Tingler, A.I.A.
Mrs. Debbie E. Saunders
2LT Jennifer E. Pingley

Environmental
LTC Gary A. Blackhurst
Mr. Philip P. Emmerth
Mrs. Rita L. Meneses
Mr. David P. Shafer



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PATRICK J. LEAHY, VERMONT
DALE BUMPERS, ARKANSAS
FRANK R. LAUTENBERG, NEW JERSEY
TOM HARKIN, IOWA
BARBARA A. MIKULSKI, MARYLAND
HARRY REID, NEVADA
J. ROBERT KERREY, NEBRASKA
HERB KOHL, WISCONSIN
PATTY MURRAY, WASHINGTON

J. KEITH KENNEDY, STAFF DIRECTOR
JAMES H. ENGLISH, MINORITY STAFF DIRECTOR

United States Senate
COMMITTEE ON APPROPRIATIONS
WASHINGTON, DC 20510-6025

September 23, 1996

Mr. Richard T. Forren
Omni Associates
1543 Fairmont Avenue
Fairmont, West Virginia 26554

Dear Mr. Forren:

It was a pleasure to participate in the dedication of the Alan B. Mollohan Innovation Center that was held this past weekend.

This is indeed an important economic development project for West Virginia, and I wish to thank Omni Associates for the predominant role that they played in making this endeavor, as well as many other significant projects across the state, a reality. Keep up the good work.

With warm regards, I am

Sincerely yours,

Robert C. Byrd

Robert C. Byrd

RCB:smb

"In appreciation of all of your hard work, dedication, and technical support to the Eleanor Maintenance Complex, West Virginia Army 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

omni associates
ARCHITECTS

References

We have included a list of references in the following Division II titled Omni Associates - Architects. We encourage you to contact them at your convenience. We are also pleased to include the following as additional contacts with whom we have worked closely on previous West Virginia Army National Guard projects.

BG Melvin L. Burch, EN, WVARNG
West Virginia Army National Guard
Construction & Facilities Management Office
1703 Coonskin Drive
Charleston, WV 25311
304.561.6365

LTC Garrett B. Cottrell, PE
West Virginia Army National Guard
Construction & Facilities Management Office
1703 Coonskin Drive
Charleston, WV 25311
304.561.6452

CPT Rocky Hodges, Chief, Design & Construction
West Virginia Army National Guard
Construction & Facilities Management Office
1703 Coonskin Drive
Charleston, WV 25311
304.561.6452

Dan Clevenger, EIT, Project Manager
West Virginia Army National Guard
Construction & Facilities Management Office
1703 Coonskin Drive
Charleston, WV 25311
304.561.6446

omni associates
ARCHITECTS

Allegheny Energy
Transmission Building and Operations Center

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. The environmentally friendly facility is located on a 9-acre parcel of land in the I-79 Technology Park. Services provided by Omni include site selection assistance and development services, architectural design services, civil, structural, mechanical, and electrical engineering services, bid document development, construction contract administration services, and post contract administrative services.

Completed in September 2010, the state-of-the-art facility serves as the center for Allegheny's multi-state transmission functions, including around-the-clock management of the electric grid. The building houses the Transmission Operations Control Center, a Data Center, Class A commercial office space, and all associated electrical, mechanical, and support facilities. The Transmission Operations Control Center and Data Center was constructed to meet a site infrastructure performance rating of Tier III. The new construction project is seeking LEED™ (Leadership in Energy and Environmental Design) Certification with an anticipated Silver Rating.

Headquartered in Greensburg, Pennsylvania, Allegheny Energy is an investor-owned electric utility with total annual revenues of over $3 billion and more than 4,000 employees. The company owns and operates generating facilities and delivers low-cost, reliable electric service to over 1.5 million customers in Pennsylvania, West Virginia, Maryland and Virginia.

Allegheny Energy Transmission Building & Operations Center
Fairmont, West Virginia

Estimated Construction Cost: If required, construction cost can be obtained by contacting owner's representative as listed below.

Construction Method: Design-Build

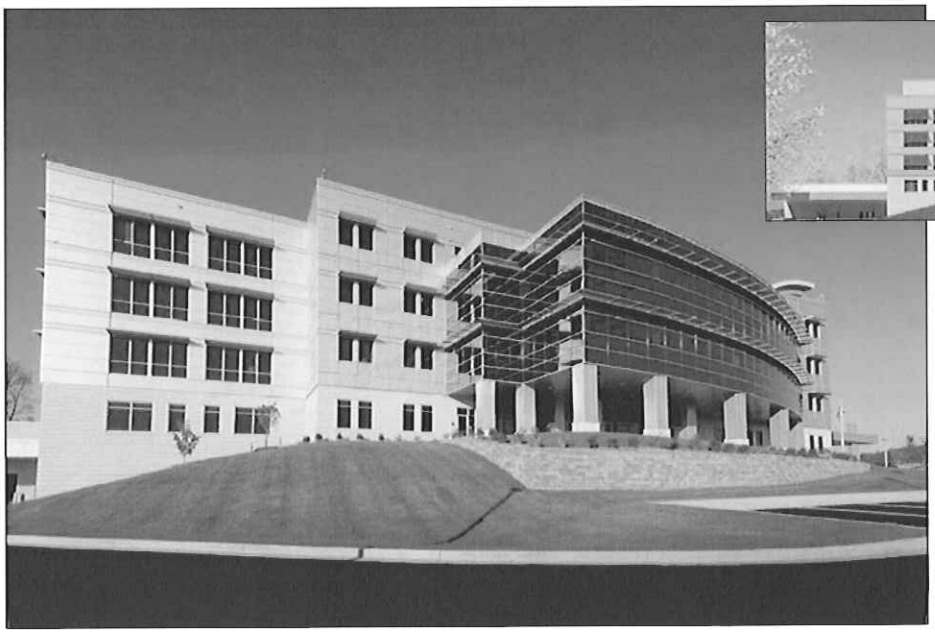
148,000 Square Feet

- Transmission Operations Control Center
- Data Center
- Class A commercial office space

LEED Certification:
Anticipated Silver Rating

Contact: Ms. Linda L. Moss
Address: 800 Cabin Hill Drive
Greensburg, PA 15601-1689
Phone:301-790-6413
Email: lmoss@alleghenypower.com

Allegheny Energy
Transmission Building and Operations Center



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

Allegheny Energy
Transmission Building and Operations Center

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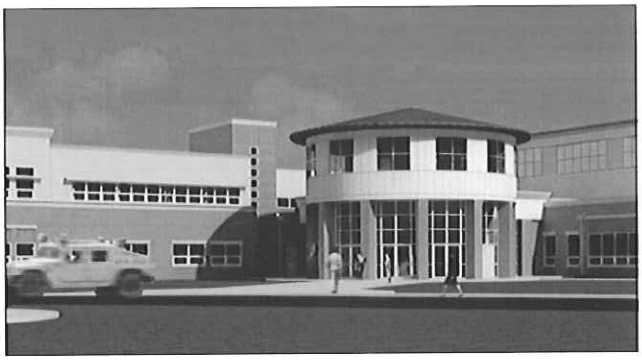
West Virginia Army National Guard (WVARNG)
Fairmont Readiness Center

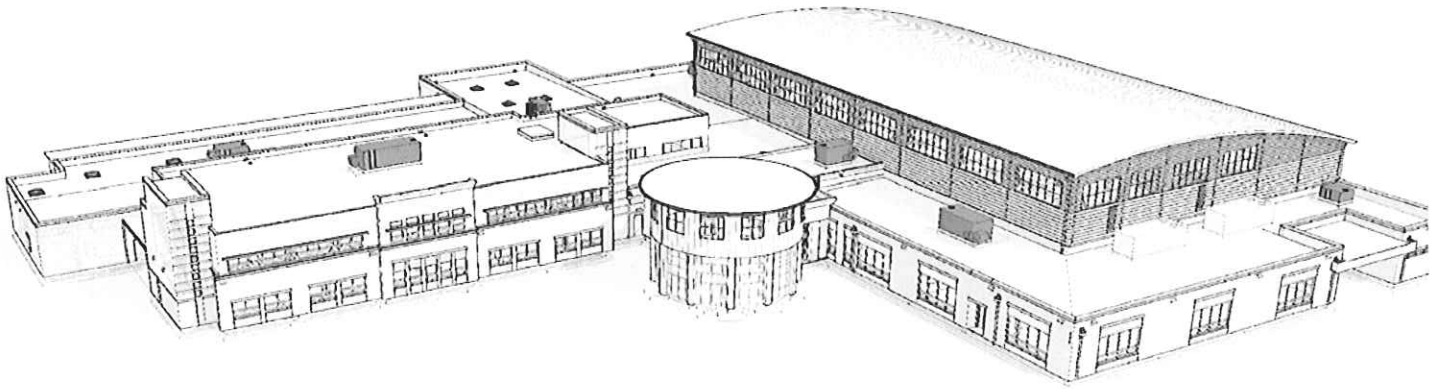


Fairmont Readiness Center
West Virginia Army National Guard
Fairmont, West Virginia

$ 25 Million
91,500 sf

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.



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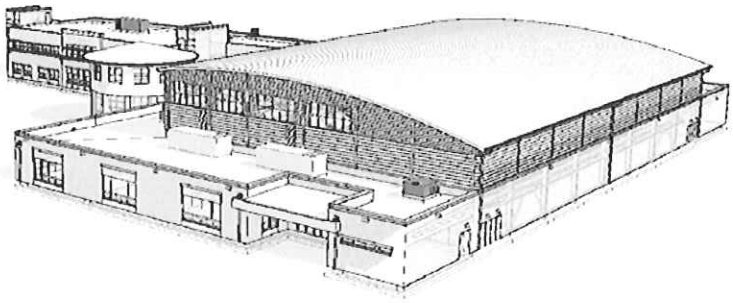
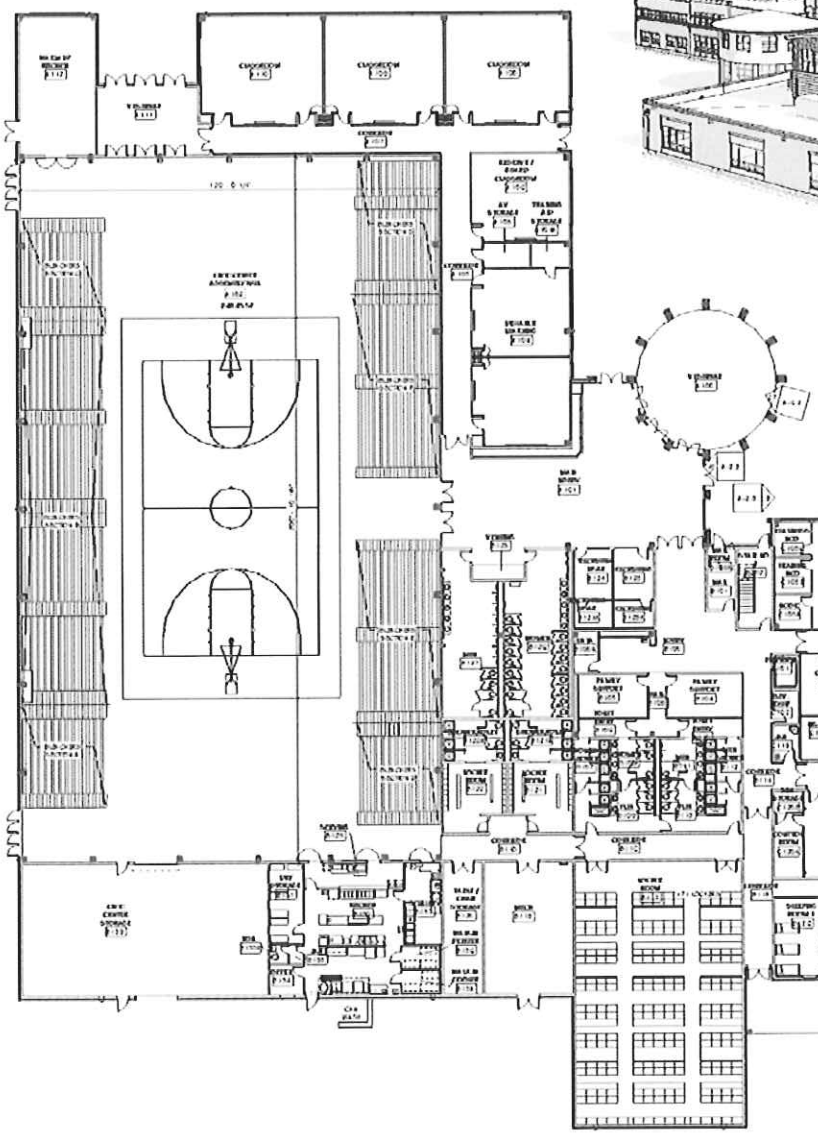
Omni Associates - Architects, Inc.

West Virginia Army National Guard (WVARNG)
Fairmont Readiness Center





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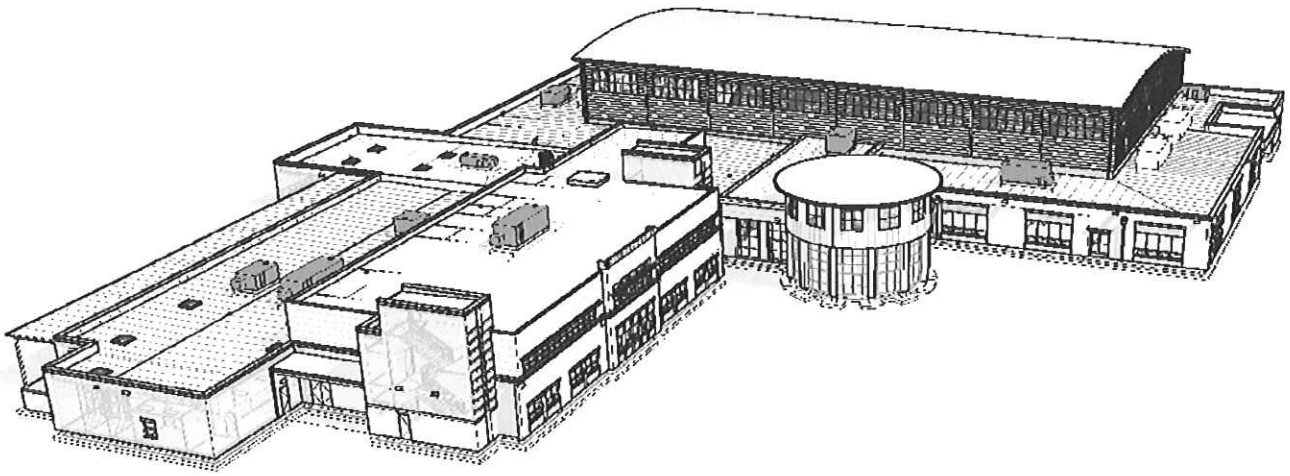
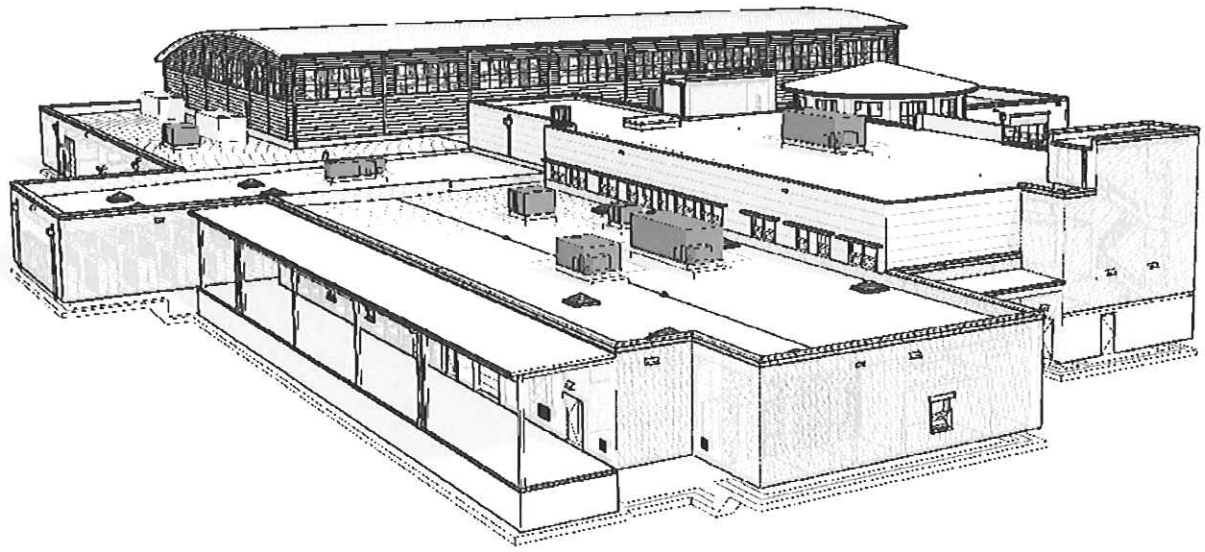
West Virginia Army National Guard (WVARNG)
Fairmont Readiness Center

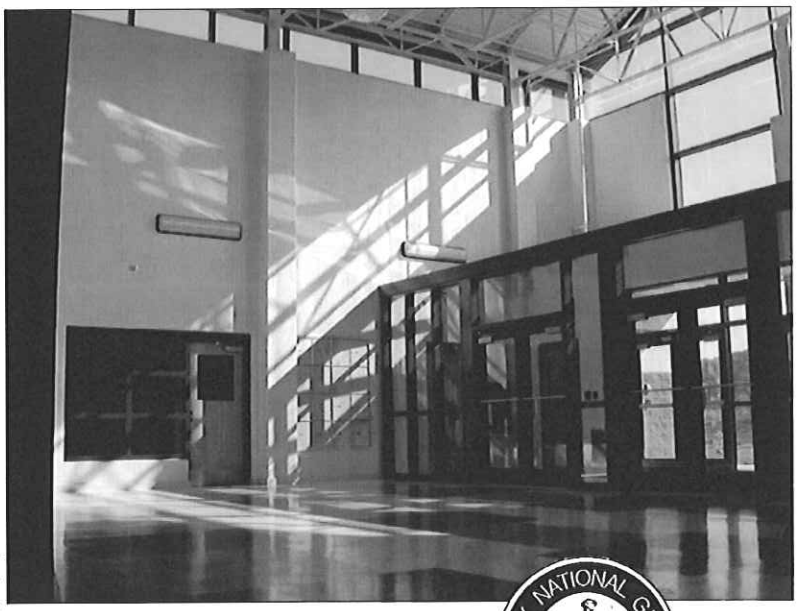


B / A21 NORTH EAST CORNER (2) - 3D
SCALE:



B / A21 SOUTH EAST CORNER - 3D
SCALE:

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

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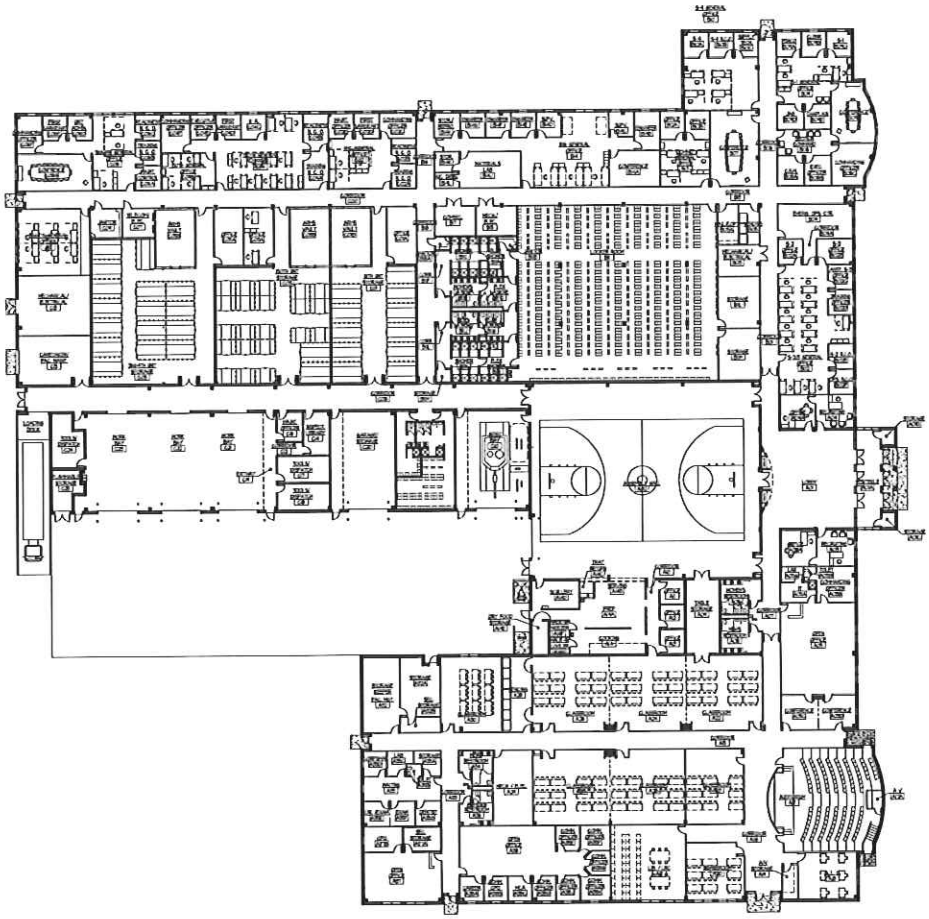
West Virginia Army National Guard (WVARNG)
Eleanor Readiness Center



The relationship of the unit office areas to the unit storage areas is critical to the efficient workflow of the individual 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.

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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 appreciation of all of your hard work, dedication, and technical support to the Eleanor Maintenance Complex, West Virginia Army National Guard. Your expertise has helped create one of the finest Maintenance Shops in the United States."

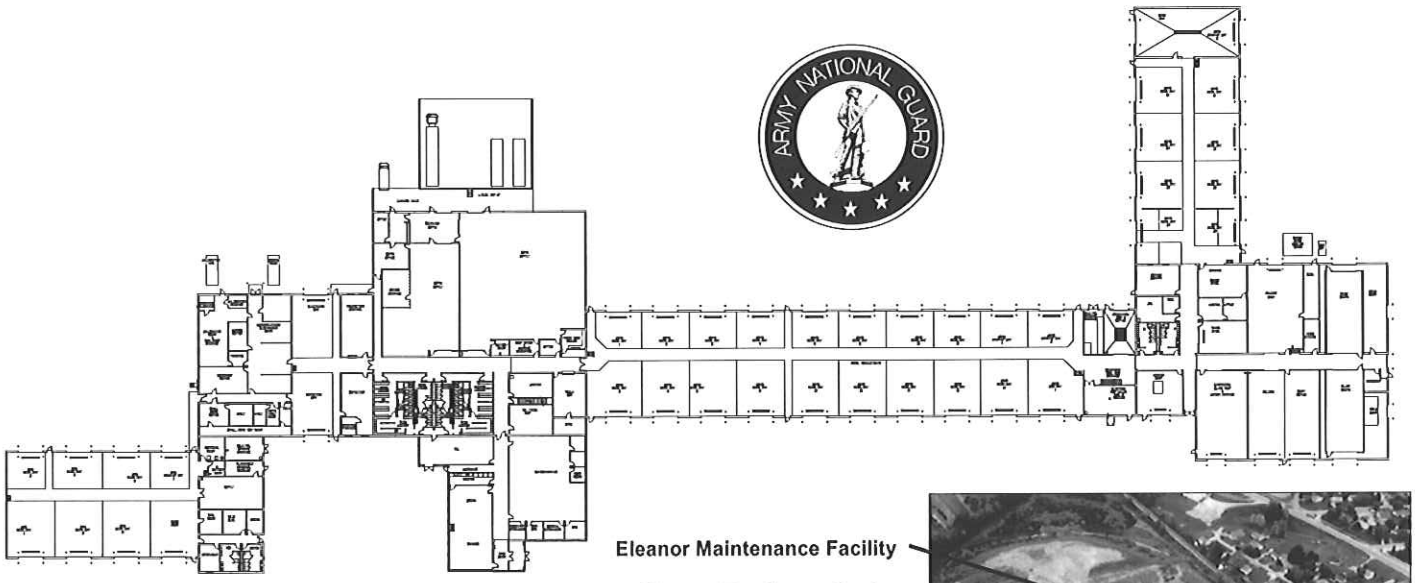
Robert D. Davis, CPT, OD, WVARNG
CSMS Superintendent

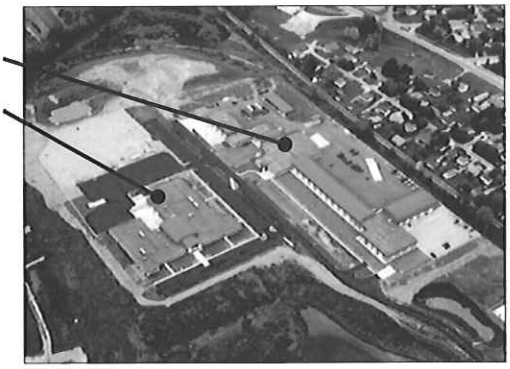
Warren T. Huxley, LTC, EN, WVARNG
Surface Maintenance Manager

The new Eleanor Maintenance Complex, in Eleanor, WV, is a 132,000 square foot state-of-the-art repair and maintenance facility for the West Virginia Army National Guard (WVARNG). This specially designed Army "Combined Logistic Support Facility" will house the Combined Support Maintenance Shop (CSMS), an Organizational Maintenance Shop (OMS) and United States Property 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 components parts from delivery to installation. This flow also required controlling the movement of vehicles themselves as all vehicles arriving and leaving the complex are required to

West Virginia Army National Guard (WVARNG)
Eleanor Maintenance Facility





undergo pre and post inspections.

The facility will provide 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.

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Canaan Valley Institute
Research and Education Facility

"Building Green is more than obtaining LEED Certification. The team of Omni and Manheim (General Contractor) truly listened *to CVI's unique vision of sustainable design, and developed a project that brought that vision to life. Their synergy and willingness to become our partner, provided a constant focus on quality, cost, and schedule."*

Kiena Smith
Executive Director
Canaan Valley Institute

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Canaan Valley Institute
Research and Education Facility

Canaan Valley Institute's new 28,866 square feet headquarters and education facility located in Davis, West Virginia serves as a center for research into water and wastewater issues. In accordance with their mission of improving the environment by improving water quality, Omni Associates was commissioned to develop a "green" building that demonstrates environmentally friendly systems to visitors and its users. The $8 million facility utilizes a number of "green" technologies, including a Living Machine system, a wastewater treatment system that uses plants and soils to clean the wastewater. Other "green" features include natural lighting and ventilation, a green roof, composting toilets, and rain water collection ponds.

The building was designed to blend with the existing landscape and utilize locally sourced, recycled, and sustainable construction materials as well as building design technologies that substantially improve indoor air quality. The building houses several research and training laboratories, outdoor classrooms, a computer lab, office space and a 150 seat conference room. It is among the first conference facilities in West Virginia to achieve Silver LEED™ Certification.

Silver LEED Certification

Canaan Valley Institute
Research and Education Facility
Davis, West Virginia

Estimated Construction Cost: $8,000,000
28,866 Square Feet

LEED Certification:
Anticipated Siler Rating

- Micro-turbines
- Living Machine
- Natural ventilation
- Green roof
- Rain water collection ponds.

Canaan Valley Institute

WORKING FOR THE SUSTAINABILITY OF THE MID-ATLANTIC HIGHLANDS SINCE 1995

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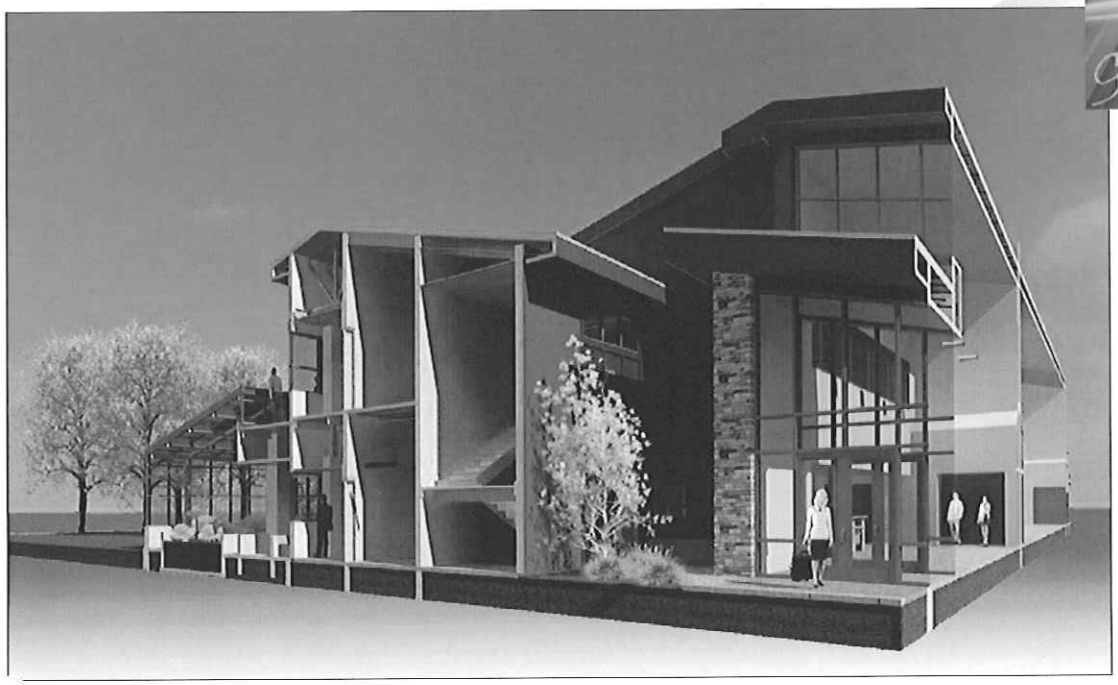
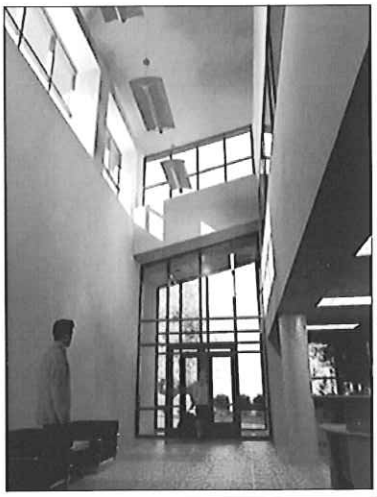
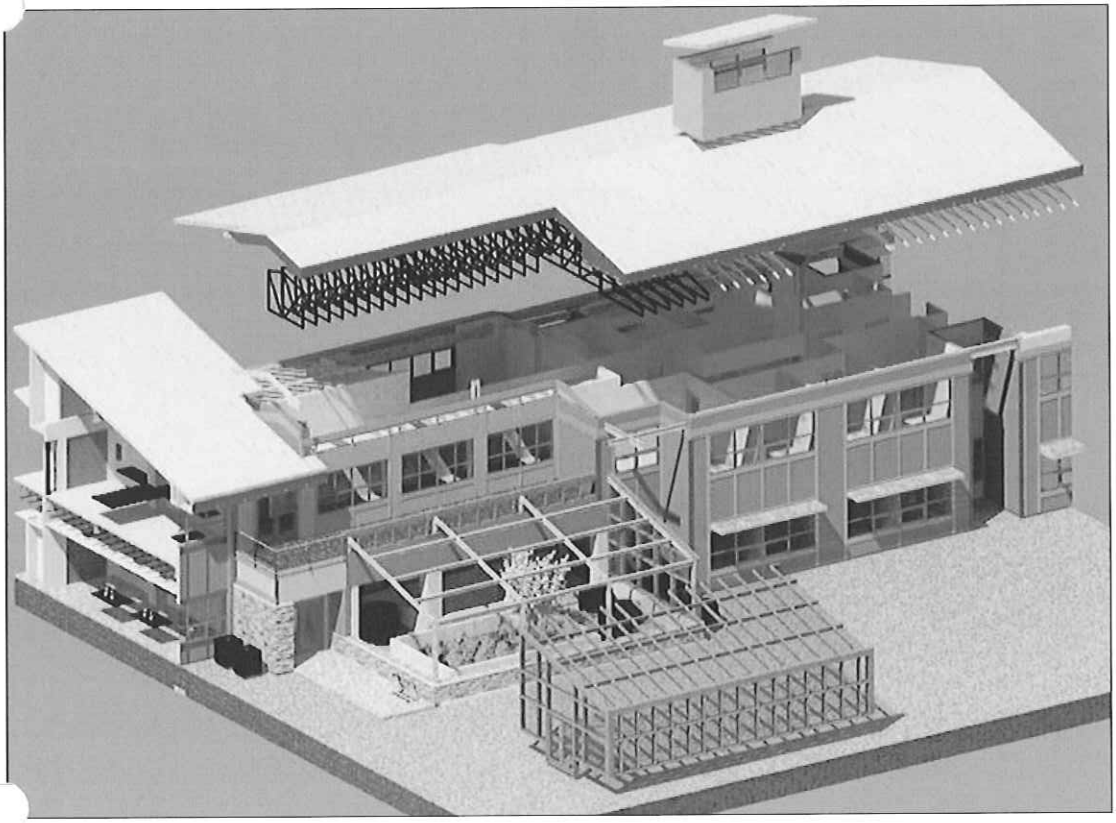
Canaan Valley Institute
Research and Education Facility



Silver LEED Certification





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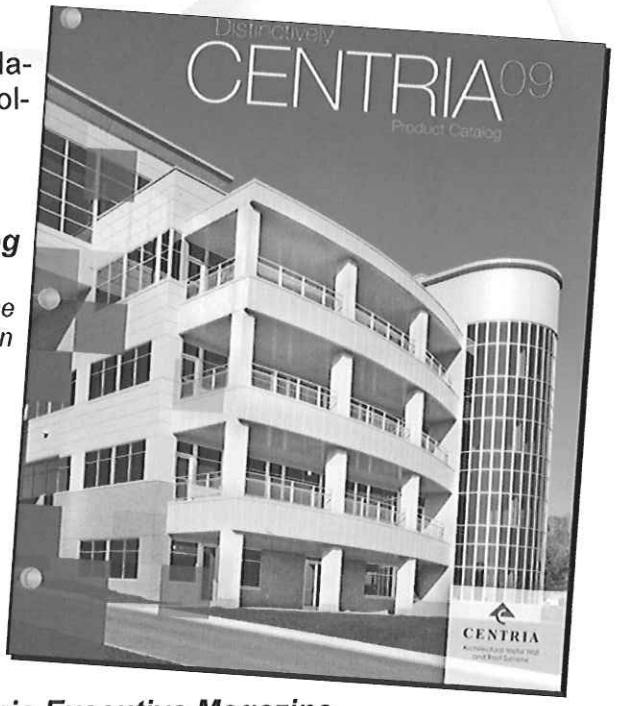
The West Virginia High Technology Consortium Foundation 5000 NASA Boulevard

The West Virginia High Technology Consortium Foundations 5000 NASA Boulevard has been featured in the following periodicals:



CENTRIA 2009/2010 National Product Catalog

5000 NASA Boulevard was selected for the cover photograph of the CENTRIA 2009/2010 product catalog. Centria is a national leader in manufacturing architectural metal wall and roof systems.

West Virginia Executive Magazine

VOULUME III 2008

Featured as one of ten examples of "Awe Inspiring Architecture"

"The new towers at the Technology Park in Fairmont, WV are an outstanding addition to an already exceptional park; the towers were put in place by the West Virginia High Technology Consortium Foundation (WVHTC). Site work began in the fall of 2005; the buildings themselves are approximately 130,000 square feet and cost $24 million with 95 percent of the workers coming from West Virginia. The buildings sport a 6,000-square-foot conference center that spans the top of the towers and connects the two buildings with 5,700-square-foot working balconies and 2,200-square-foot roof-top gardens.

The view from the conference room on the fifth floor is one of the best in the state with the ISR building, the NASA building and the Innovation Center all in view."

DCD Magazine

Published project: DCD Magazine (Design Cost Data)
September - October 2009

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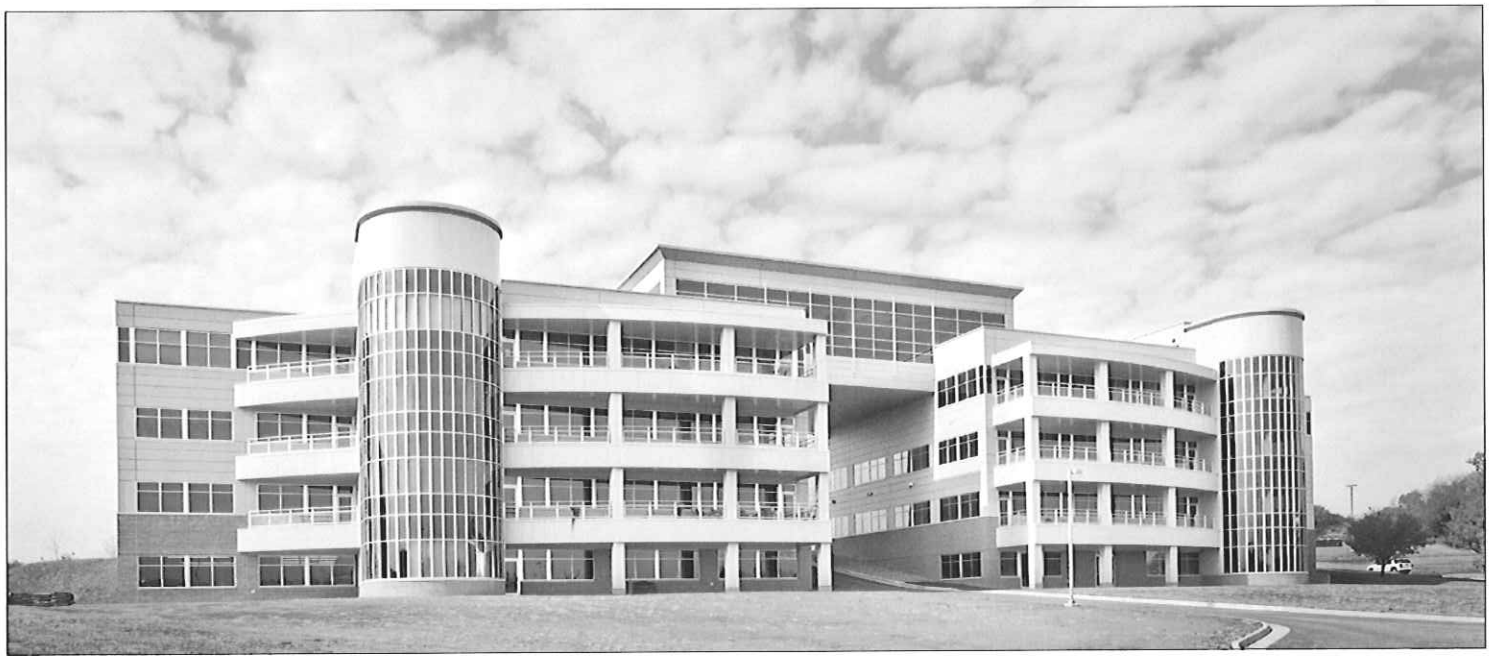
The West Virginia High Technology Consortium Foundation 5000 NASA Boulevard



5000 NASA Boulevard stands as the newest addition to the West Virginia High Technology Consortium's I-79 Technology Park located in Fairmont. The mission of the Consortium is to "foster growth and instill sustainability" in this new technology sector. With that in mind, the architect was tasked to design two multi-tenant structures to fit within the context of the Technology Park.

The architect's concept was to prominently position the two structures on a long narrow site in which visibility was limited to twenty-five percent of the total site; however, placing two structures in such close proximity to one another would not contextually be the solution for this park.

The solution was to consolidate the separate structures so they both could be prominently displayed. Visibility from the extensively traveled I-79 corridor was a determining factor in the design consideration. This established two distinctive facades. The front façade displays the building's visual images, features, and materials, which not only fit within the context of the park but are also in keeping with the image of a technology structure. This façade displays the prominent features of the building including multi-story glass-encased semi-circular tower elements and east facing outdoor balconies that take advantage of outstanding scenic views and provide outdoor opportunities for tenant spaces at every floor along with 2,200 square feet of rooftop gardens. The rear façade features more utilitarian elements with main entrances and adjacency to the building's parking.

The primary form of the building is two distinctive structures of a rectangular configuration intersected by various curved forms. A large bifurcated curve delineates the outdoor bal-

The West Virginia High Technology Consortium Foundation
5000 NASA Boulevard
Fairmont, West Virginia

130,000 Square Feet
$18 Million: Building
$2 Million: Site

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The West Virginia High Technology Consortium Foundation
5000 NASA Boulevard

conies while the multi-story glass-encased semi-circular component provides symmetrical featured elements. The two structures are physically connected on the fifth floor by a 6,000 square foot bridge-like conference center that further strengthens the primary form and creates an approach that provides visual depth as the roadway to building access and parking passes through the structure itself. The structure is situated on the site so that parking is concealed and the aesthetic impact of the façade is maximized.

Metal panels were selected as an exterior wall system in order to create clean lines and texture representative of technology. The effect is a 21st Century look that reflects the aspirations of the owners while complementing the existing buildings in the technology park. The panels consist of 22-26% recycled content and are 100% recyclable. As an additional benefit, their superior insulation system reduces overall energy consumption in the building.

The architect's commitment to innovation and creativity is reflected in this unique design which also allows for flexibility in the interior spaces in an ever-changing technology market.

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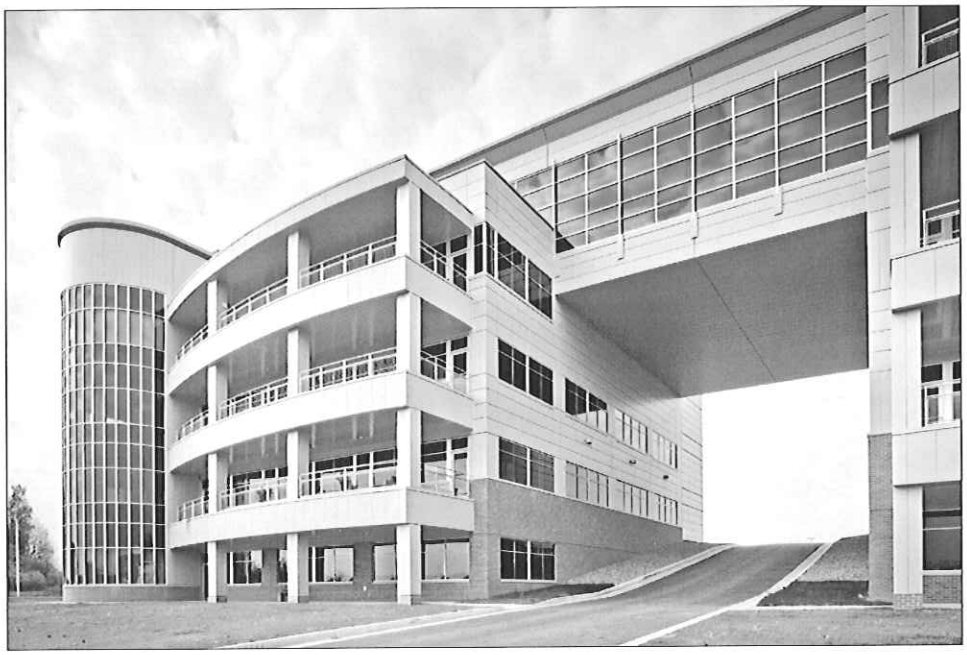
The West Virginia High Technology Consortium Foundation
5000 NASA Boulevard



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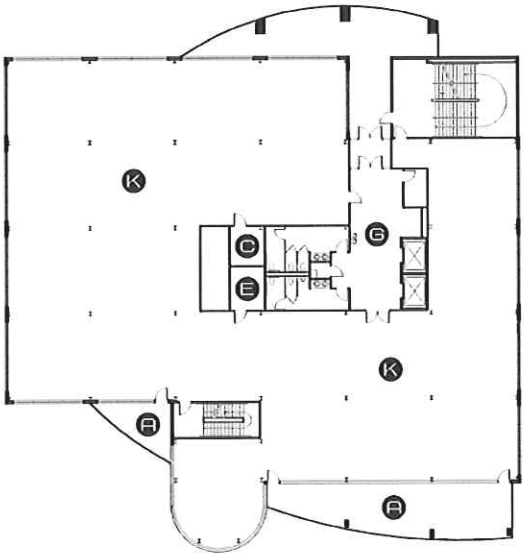
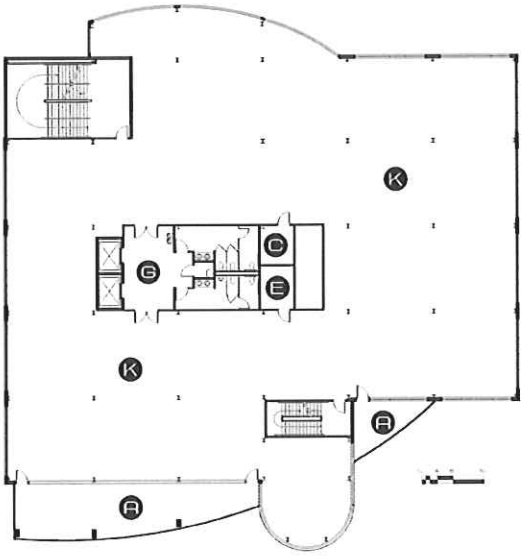
The West Virginia High Technology Consortium Foundation
5000 NASA Boulevard

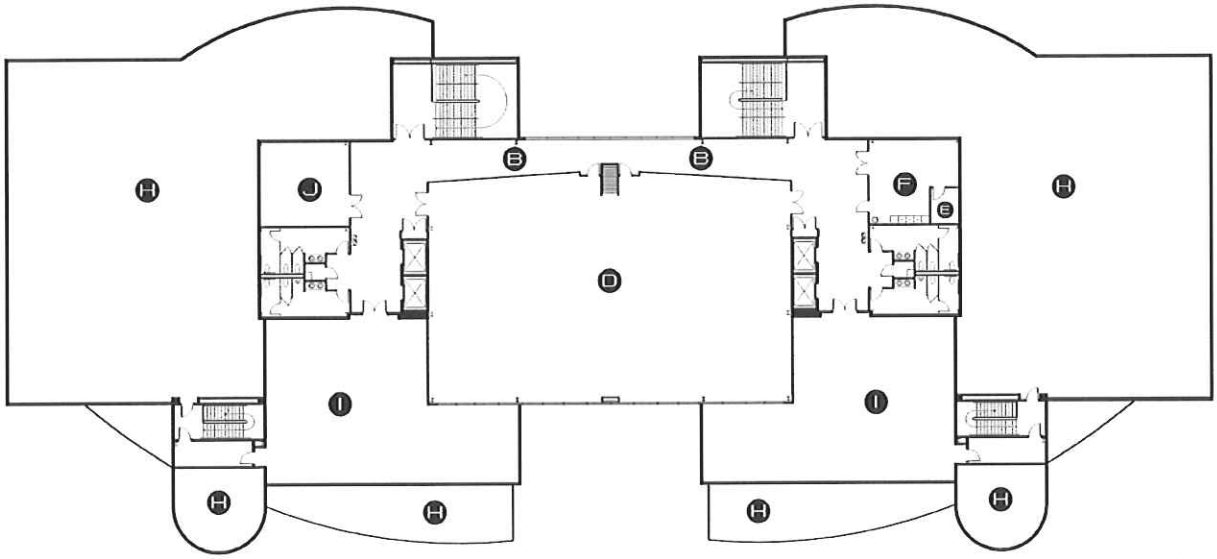


2nd Floor South Tower -Typical



3rd Floor North Tower -Typical

- A Balcony
- B Break-out Area
- C Communication
- D Conference Room
- E Electrical
- F Food Preparation
- G Lobby
- H Roof
- I Roof Garden
- J Storage
- K Tennant Office Space



5th Floor - Conference Center

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West Virginia High Technology Consortium

West Virginia High Technology Consortium
Fairmont, West Virginia
110,000 Square Feet

"... the flagship of the Mountain State's Flourishing technology sector and is the backbone for further infrastructure..."
www.wvhtf.org

The West Virginia High Technology Consortium Foundation's 110,000 square foot center for high technology innovation is prepared to respond to the exponential growth of technology-oriented industry in West Virginia. The WVHTC Innovation Center is located in the Marion County Business and Technology Park, Fairmont, WV. The facility, situated on approximately 10 acres of a 26-acre parcel within the park, is adjacent to NASA's IV & V facility and is highly visible from Interstate 79.

The WVHTC Innovation Center facility houses the administration offices of the West Virginia High Technology Consortium, a non-profit corporation and world class high-technology incubator center providing assistance to high-technology member companies throughout the Mountain State and beyond. The center also facilitates major anchor tenants, headquarters for additional member companies and space to accommodate additional consortium firms as well as successful enterprises which have "graduated" from the incubator center.

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West Virginia High Technology Consortium

The Innovation Center's objective is to allow emerging high technology companies to benefit significantly from the facility's close proximity to NASA and the two major aerospace companies located in the immediate vicinity as well as other federal agencies maintaining a presence in the region and their prime contractors.

The economic landscape of north central West Virginia is experiencing a fast changing contour. Through this economic evolution, traditional mineral-extraction and manufacturing companies, once the mainstay of the area's economy, no longer sustain the employment base of past years. Supporting these industries are emerging companies whose mission is focused on product and service technologies for the federal government, commercial, and global markets.

Local federal agencies include sophisticated technology based organizations like the Federal Bureau of Investigation, NASA, NIOSH, the Department of Defense, and the Department of Energy. The market needs for new technologies to serve these organizations are wide-ranging and include technology systems to serve the criminal justice information industry, software technologies to serve the experimental aircraft and space industries, energy and environmental technologies to serve the nation's power generation systems, and other specialized technology based services.

Congressman Alan B. Mollohan was the early advocate for businesses wishing to operate in this new high technology environment. In 1990, Congressman Mollohan created the West Virginia High Technology Consortium (WVHTC). The Consortium originally had six member companies, and has grown to an affiliate membership of over 150. The Consortium offers its member companies educational, promotional, and technical assistance.

As the Consortium grew and became more diverse, the WVHTC Foundation was formed in 1993. The organization is dedicated to leading the development of high technology industries and research facilities in West Virginia through advanced technology based research, development, and educational initiatives.

In order for this technology transformation to succeed, the Foundation is coordinating the combined efforts of government agencies, local businesses, and academia. From Silicon Valley to Huntsville, from Austin to Boston - all communities where technology sectors have emerged - academic institutions, government agencies, and businesses working together have generated the most productive economic regions. This model provides the basis for WVHTC Foundation operations.

-Source: **www.wvhtf.org**

City of Fairmont, West Virginia
Public Safety Building

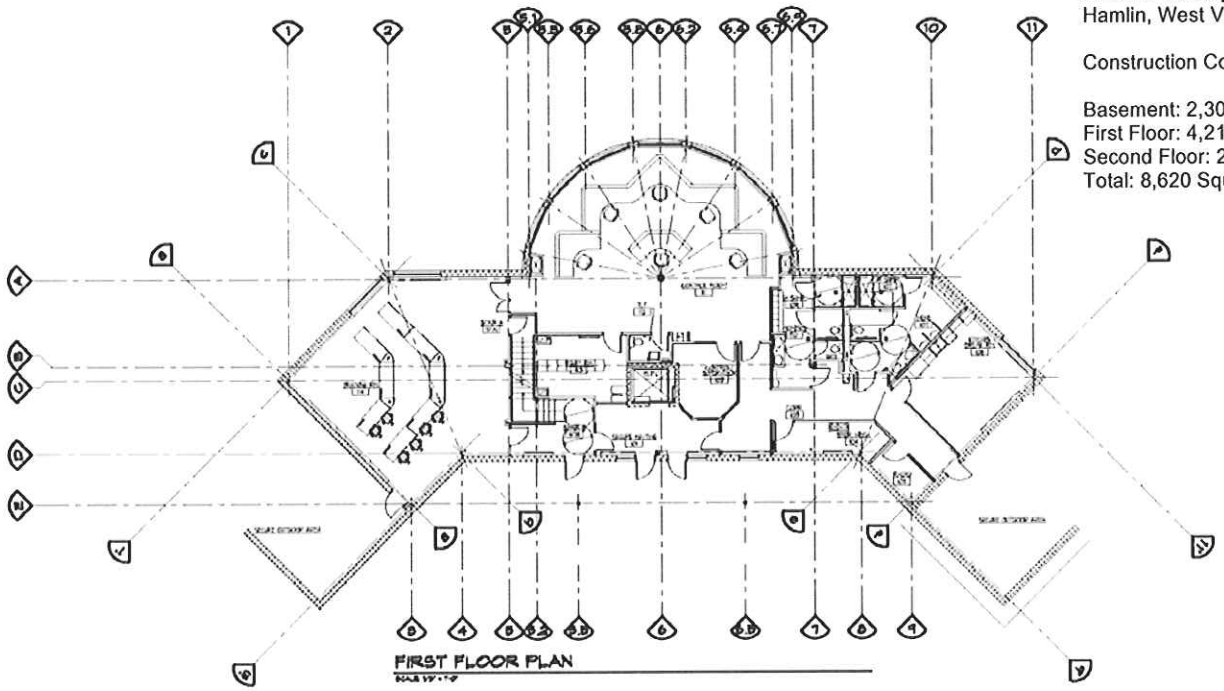
The City of Fairmont selected The Omni Associates - Architects to design the new Public Safety Building. The 36,000 square foot new facility will house the Fire Administration and Central Station of the Fairmont Fire Department and the entire Fairmont Police Department. The design service includes the development of a building program and the selection of the building site. The selection of the site involves a site analysis study to determine the feasibility of utilizing an existing structure verse a new structure on various sites recommended by The Omni Associates.

The Building Program involves in-depth functional and spatial study of all component spaces This requires extensive discussion with the Police Chief, Fire Chief, and Department Beads as well as various Policemen and Firemen. Many considerations must be investigated and prioritized such as design flexibility, public image, impact on downtown, maneuverability of fire apparatus, public zones, secure zones, and the image and morale of the officers and firemen. These considerations along with budget cost controls, construction materials and schedule I combine to complete the total building design.

Fairmont Public Safety Building
City of Fairmont
Marion County
Fairmont, West Virginia
36,000 Square Feet

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

911 Call Center
Lincoln County West Virginia



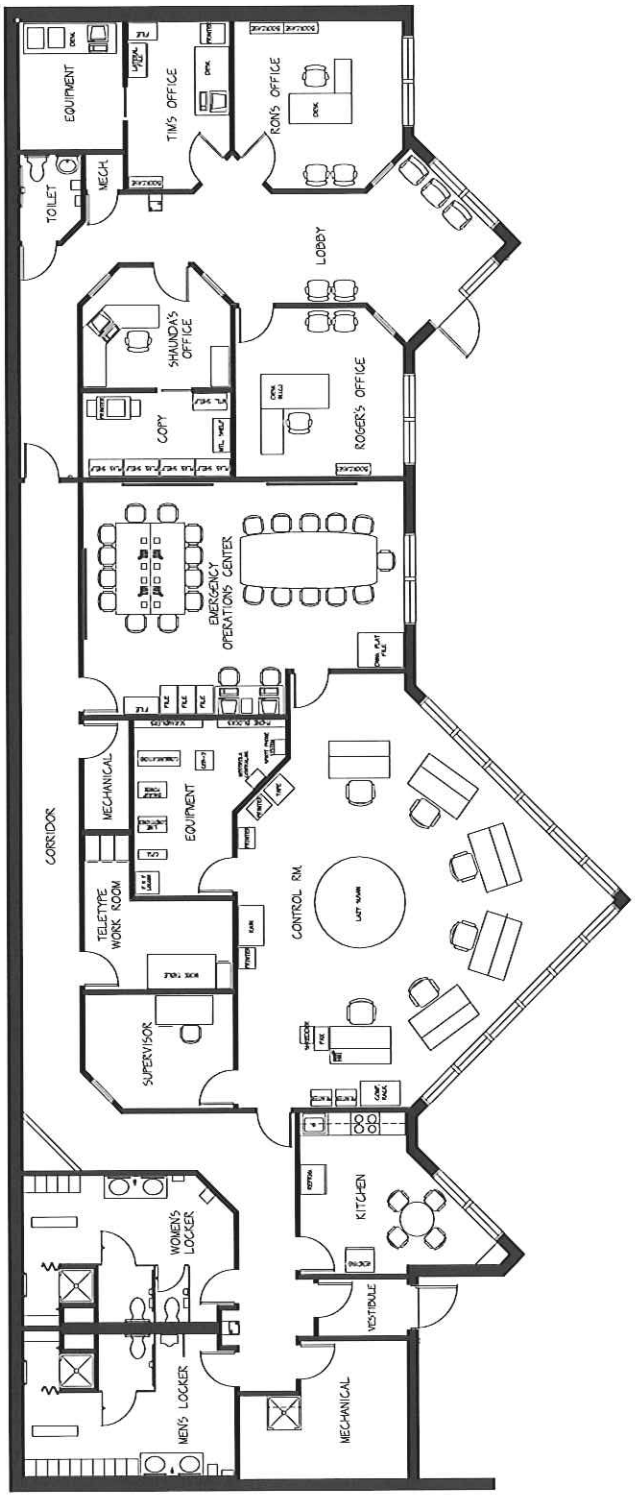
Lincoln County 911 Call Center
Hamlin, West Virginia

Construction Cost: $2,329,636

Basement: 2,300 Square Feet
First Floor: 4,210 Square Feet
Second Floor: 2,110 Square Feet
Total: 8,620 Square Feet

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

Monongalia County 911 Emergency Centralized Communications Agency



M.E.C.C.A 911 Center
(Monongalia Emergency
Centralized Communications Agency)
Morgantown, West Virginia
5,185 Square Feet

The Omni Associates - Architects designed the he ne new 911-call center for Monongalia County, W. Va. faced a significant increase in rent from the centers previous rented location. The Monongalia Emergency Centralized Communications Agency decided to build a state of the art Emergency Operations Center.

The 5,185 square foot center consists of administrative offices, conference areas, and shower areas, as well as the new emergency call center. The call center area consists of six communications consoles. Omni worked directly with emergency center officials and users to ensure current and future needs would be addressed.

The center is situated on a sloping .82 acre site, located in the heart of the growing countywide services area of Monongalia County

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

Firm Overview

Omni Associates - Architects

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Firm Profile

General

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 office buildings, recreational facilities, education 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 desires.

The Design Team

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 **6 registered architects**, intern architects, computer-aided design specialists, and knowledgeable administrative support staff. Their quality, expertise, and dedication integrate to produce the solid foundation upon which Omni has built its reputation.

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!

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
Principal

David A. Stephenson
Principal

Firm Profile

Overview of Services
Omni Associates - Architects provides an array of in-depth professional architectural services. We are eager to discuss our experience and expertise in greater detail. These are a few types of professional services we offer...

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 ongoing 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, Inc.

- Conceptual Design & Planning
- Master Planning
- Design Development
- Construction Document Development
- Bidding & Negotiating
- Construction Administration
- Facility Management Services
- Feasibility Studies
- Legal Consultation

Firm Profile

Organization

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.

Omni Associates - Architects, Inc.

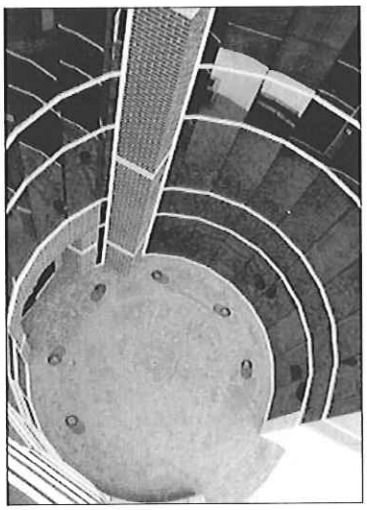
Omni Associates has successful project experience throughout the East Coast of the United States, including...

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

Member of The American Institute of Architects

Member of The West Virginia High Technology Consortium

Member of the Marion County Chamber of Commerce



Technology

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.

Building Information Modeling (BIM) involves creating a building in the virtual world before constructing it in the "real" world and allows the design team to anticipate conflicts and objections before they arise. We have found that this eliminates many issues which could result in project change orders or Requests For Information from the contractor. Also, the model can be shared between all disciplines as the design progresses. This allows early input from all of the design professionals involved, resulting in efficient designs. With a virtual model of the building, clients can clearly see the design intent as the project progresses. Design options can be explored with greater ease than ever before. An accurate building model can also assist in such things as cost and quantities estimating, energy analysis and building management – to name just a few.

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.

Architectural Illustrations & 3D Modeling

Computer-Generated Architectural Renderings

Omni's computer rendering capabilities range from photo retouching, to simple 3D massing and studies, to 3D modeling in CAD from which a selected view is moved through a number of different programs and processes to result in a final finished rendering. We can produce a rendering from simple sketches or from plans and elevations. Omni has also produced conceptual illustrations from verbal ideas/instructions, sometimes adding our own design input and problem-solving during the process to improve aesthetics and reach a final image for presentation to a client or the media.

Before & After Photo Renderings

One of the very first questions our clients ask is, "What is it going to look like?" Omni can take a high resolution digital photograph of an existing condition and show what a new structure or modification would look like. This process eliminates the need for traditional models that are often expensive and time consuming to create. All textures, colors and lighting effects are applied to the model and it is positioned to match the perspective of the site photo. To give it an authentic feel, we add landscaping, people, cars, and any other necessary features and then combine the photograph and model to create a very realistic rendering.

Virtual Models

With the aid of state-of-the-art software, Omni is able to create "virtual reality" models that enable our clientele to "virtually" walk through or fly by a site or building. Omni's creative staff can generate these innovative methods quickly and efficiently, ultimately resulting in a cost savings to our clients.

info@omniassociates.com 304.367.1417 www.omniassociates.com

Omni Associates - Architects, Inc.

Professional Staff

Stephen A. Barnum AIA, NCARB

PROJECT ASSIGNMENT
Supervising Principal
Coordinating Architect

EDUCATION
Mr. Barnum received his Bachelor of Architecture from Ohio University in 1971.

REGISTRATION
President and Architect Member of West Virginia Board of Architects
Member of The American Institute of Architects
Member of The American Institute of Architects—West Virginia
NCARB Certified #21583
States of West Virginia (#1663), Maryland, New York, Pennsylvania, North Carolina, Ohio, South Carolina, & Virginia

GENERAL EXPERIENCE

- Senior Principal in charge of Design and Construction for Omni Associates - Architects since 1980, Mr. Barnum is highly regarded as one of West Virginia's leading architects. His design expertise and construction experience serve as examples of the proficiency and professionalism that he embodies.
- Project Architect for Suncrest Towne Centre, a 102 acre master planned development of offices, shops, restaurants, and entertainment venues, as well as its residential component, Suncrest Village Luxury Condominiums.
- Project architect for several major projects at Snowshoe Mountain Resort, including lodging, condominiums, and the Hawthorne Valley Golf Clubhouse, as well as new Golf Course Clubhouses at courses designed by Pete Dye, Gary Player and Arnold Palmer.
- Mr. Barnum has complete five advanced design programs at Harvard University including Hotel Design, Golf Course Clubhouse Design, Mixed Use Design, and Design Build Construction Alternatives.

RELATED EXPERIENCE

- Mr. Barnum was appointed by the Governor of West Virginia to serve as a member of The West Virginia Board of Architects January 2007. He currently serves as President of the Board.
- Instructor of Architecture at Fairmont State College, Fairmont, West Virginia from 1980 to 1981. Responsible for instruction of students in architectural construction and design.

Select Project Experience for Mr. Barnum

Suncrest Towne Centre

Suncrest Village Luxury Condominiums
Morgantown, WV

Snowshoe Mountain Resort
Snowshoe, WV
- Master Planning
- Rimfire Lodge
- Hawthorn Valley Golf Clubhouse
- Camp #4 Condominiums
- Conference Center

Pete Dye Golf Club Clubhouse
Bridgeport, WV

Stonewall Resort
Arnold Palmer Clubhouse
Stonewall Resort, WV

Hotel Design
- Volcano Island Resort Indoor Water Park & Resort - Fairmont, WV
- Wingate Inn- Bridgeport, WV
- Wingate Inn -Erie, Pa.
- Wingate Inn - Rome, NY
- Fairfield Inn - Granville, WV

Fairmont State University
- Education and Health Careers Facility
- Hardway Hall Renovations
- Colebank Hall Renovations
- Jaynes Hall Renovations

911 Facility
- Monongalia County, WV
- Lincoln County, WV

Robert C. Byrd National Technology Transfer Center for NASA
Wheeling, WV

Victory Christian Church
Charlotte, North Carolina

Professional Staff

Richard T. Forren AIA, NCARB

PROJECT ASSIGNMENT
Principal
Project Architect

EDUCATION
Masters of Architecture, Virginia Polytechnic Institute & State University, Blacksburg, VA
BS, Civil Engineering Technology, Fairmont State College, Fairmont, WV

REGISTRATION
Member of The American Institute of Architects
Member of The American Institute of Architects—West Virginia
National Council Architectural Registration Board Certified in West Virginia, Florida, Kentucky, New Jersey, and Ohio
Firm Member Associated Builders and Contractors Inc.

GENERAL EXPERIENCE

- Project Architect in charge of design and construction for Omni Associates - Architects since 1984.
- Responsible for coordinating and designing all aspects of a project from schematic design through the final completion of construction for a wide range of commercial projects to include presentation renderings and graphics.
- Previously employed by Robert J. Bennett AIA & Associates, Morgantown, West Virginia 1983 to 1984. Worked and managed various phases from schematics to working drawings on a number of new and renovated educational facilities.

RELATED EXPERIENCE

- Colonel in the United States Army Reserves currently assigned to the Fifth United States Army as the Army's Emergency Preparedness Liaison Officer (EPLO) for West Virginia.
- Member of the Faculty Advisory Committee for Civil Engineering Technology and Architectural Engineering Technology, Fairmont State College, Fairmont, West Virginia
- Member of the Bridgeport City Planning Commission
- Previously a part time Instructor of Architecture at Fairmont State College, Fairmont, WV responsible for the instruction of senior level students in architectural construction and detailing.

Select Project Experience for Mr. Forren

Allegheny Energy Transmission Operations Headquarters, Fairmont, WV

West Virginia Army National Guard, Fairmont, WV
Armed Forces Readiness Center

West Virginia High Technology Consortium, Fairmont, WV
5000 NASA Boulevard
Allan B. Mollohan Innovation & Incubator Center
Technology Consortium Training Center

Marion County Schools, Fairmont, WV
West Fairmont Middle School
Fairmont Sr. High School Cafeteria

Fairmont State University, Fairmont, WV
Library Addition & Renovation
Feaster Center Renovation & Addition
Colebank Hall Renovation
Inner Campus Renovation
New Engineering Technology Building
New Performing Arts Building
Robert C. Byrd Mid-Atlantic Aviation Training Center, Phases I & II

City of Fairmont, Fairmont, WV
Public Safety Building
Downtown Parking Garage

West Virginia Army National Guard, Eleanor, WV
Maintenance Facility
Armed Forces Readiness Center
Access Road & Guard House

Snowshoe Mountain Resort, Snowshoe, WV
St. Barnard Catholic Chapel
Shaver Center Renovation Design

General Services Administration
Federal Building Renovations
Wheeling, WV
Martinsburg, WV
Huntington, WV
Beckley, WV

Professional Staff

John R. Sausen
AIA, NCARB, LEED AP

PROJECT ASSIGNMENT
Principal
Project Architect

EDUCATION
Bachelor of Architecture: University of Cincinnati in 1982 (Magna Cum Laude)

REGISTRATION / PROFESSIONAL AFFILIATIONS
Member of The American Institute of Architects
Member of The American Institute of Architects—West Virginia
National Council Architectural Registration Board Certified in West Virginia, Maryland, Pennsylvania, and Ohio
Firm Member Associated Builders and Contractors Inc.
LEED for New Construction Accredited Professional

GENERAL EXPERIENCE

- Project Architect in charge of design and construction for Omni Associates - Architects since 1983. Responsible for coordinating and designing all aspects of a project from schematic design through the final completion of construction including presentation renderings and graphics for a wide range of commercial projects. Specializing in Design-Build.
- Worked for three months in 1981 for Kraemer, Sieverts & Partners, Braunschweig, West Germany on an office, residential and civil defense complex for the Ministry of Interior, Kingdom of Saudi Arabia. The complex was to be of pre-cast metric. The design was to be flexible enough for construction in six different cities.
- Interned with architectural firms in Ohio and West Virginia prior to joining Omni.

RELATED EXPERIENCE

- President of American Institute of Architects - West Virginia Chapter in 2000 & 2001. Worked with the Design Awards, Search for Shelter, Architecture for Kids, Livable Communities Committees. Has served on the AIA West Virginia Board of Directors from 1990 to present.
- Instructor of Architecture at Fairmont State College, Fairmont, West Virginia - part time to 1990. Responsible for the instruction of design and construction relationships.
- Pleasant Acres Personal Care Home in Fairmont, WV, Board of Directors member since 1990.
- Boy Scouts of America, Mountaineer Area Council merit badge counselor, building committee member and Eagle Scout Chairman. Achieved the rank of Eagle Scout and has been involved with Scouting for over 20 years.

Select Project Experience for Mr. Sausen

West Virginia University Child Care Center

Mylan Pharmaceuticals
Morgantown, WV
(Design - Build Projects)
- North Expansion
- Executive Offices
- Corporate Office Building
- Research and Development Lab

West Virginia University Hospitals
Morgantown, WV
- North & Northeast 8 story addition
- Cheat Lake Family Medicine Clinic
- The Family House
- Linear Accelerator Installations I &II
- Center for Gamma Knife Radiosurgery
- Eye Center Clinic Renovations

HealthWorks Physical Therapy Facility
Morgantown, WV

Glenmark Corporation
Personal Care Facilities
- The Madison , Morgantown, WV
- Shenandoah Nursing & Rehabilitation Center, Charles Town, WV
- Oak Ridge Nursing & Rehabilitation Center, Charleston, WV

WV Radio Corporation
- WDYK Radio, Cumberland, Md.

CDC/NIOSH
Open End Multi Year Contract
Morgantown, WV / Pittsburgh, Pa.

Glenville Federal Correctional Institute
Construction Administration
Glenville, WV.

Professional Staff

Edward "Ned" Luthy AIA, NCARB

PROJECT ASSIGNMENT
Senior Associate
Project Architect

EDUCATION
Bachelor of Architecture
University of Arizona, Tucson, AZ
May 1986

REGISTRATION
State of West Virginia
National Council Architectural Registration Board Certified
Member of The American Institute of Architects

GENERAL EXPERIENCE

- Architect with over 20 years experience in developing long term relationships with clients, consultants, and the construction industry.
- An effective team member with a strong contract document background combined with construction administration capabilities and experience in many project delivery formats.
- Adept as a Project Manager and flexible in performing as a designer, drafter, specifier, estimator, and administrator.
- Strong design focus on schools and detention centers.

RELATED EXPERIENCE

- Ned's past 10 years experience, most of which was spent with a sole proprietor architectural firm, has provided him with opportunities to perform all duties associated with an architectural practice.
- Supervised the master plan, interview, design documents and construction for the Stafford Hansell Government Center for Umatilla County, Oregon. The project spanned a seven year period and Ned considers it the signature building of his career.
- 12 years experience with a large, nationwide architectural/ engineering firm allowed Ned to acquire progressive responsibilities and achieve promotions from intern through senior associate.
- Former adjunct professor teaching AutoCAD at Blue Mountain Community College in Pendleton, Oregon.

Select Project Experience for Mr. Luthy

Omni Associates-Architects

- Shaft Drillers International Headquarters
- Allegheny Energy Transmission Operations Headquarters
- Canaan Valley Institute

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

Professional Staff

Jaime Ryan-Mathess, LEED AP

PROJECT ASSIGNMENT
Project Manager

EDUCATION
Masters of Architecture
Virginia Polytechnic Institute, Blacksburg, Virginia
In Progress

Bachelor of Science in Engineering Technology
Fairmont State University, Fairmont, West Virginia
1996

REGISTRATION
- LEED for New Construction Accredited Professional
- AIA WV Associate Member

GENERAL EXPERIENCE
- Intern architect with six years of practice in the architectural field.
- As Project Manager for Canaan Valley Institute (CVI), Jaime has gained a wealth of experience in all aspects of project development from programming through construction administration.
- Through her extensive "green" product research, Jaime has been integral in working towards LEED Certification for both CVI and Allegheny Energy.
- Previous work has provided Jaime with a broad base of knowledge in a variety of project types including commercial, small and large scale residential, and health care facilities.
- Cumulative work experience includes schematic design, construction documents, product specifications, site assessments, master planning, architectural renderings, marketing graphics, and administrative tasks.

RELATED EXPERIENCE
- Worked with the Board of Architectural Review in Charlottesville, Virginia to ensure that Albemarle Cottages at Westminster~Canterbury of the Blue Ridge met with the criteria and standards of the Architectural Design Control district, which includes Thomas Jefferson's Monticello.
- Spent a semester abroad with the Center for European Studies & Architecture at Virginia Tech where she studied the famous modern and historical architecture of Italy, France, Germany, Switzerland and Austria.
- Former member of the International Archive of Women in Architecture at Virginia Tech.

LEED AP™

Select Project Experience for Ms. Ryan-Mathess

Omni Associates-Architects
- Allegheny Energy Transmission Operations Headquarters
- Canaan Valley Institute
- Sundale Nursing Home Addition
- WVU Child Development Center
- Marriott Fairfield Inn

With SFCS, Inc., *Roanoke, Virginia*:
- Westminster~Canterbury of the Blue Ridge Albemarle Cottages
- Abernathy Laurels Community Center, Cottages, and Renovation of Assisted Living Center

References

unsolicited comments...

Omni Associates - Architects

"...this (West Virginia High Technology Consortium) is indeed an important economic development project for West Virginia, and I wish to thank Omni Associates for the predominant role that they played in making this endeavor, as well as many other significant projects across the state, a reality..."

Robert C. Byrd
United States Senate

"You are truly the most responsive, friendly, and personable firm I have come across recently - many thanks, and kudos to you for establishing such a great dynamic within your work environment. "

Katie Leavy
HGTV (Home & Garden TV) TV Personality
Capital Design

West Fairmont Middle School... "*The template for the twenty-first century school*"

Dr. James B. Phares
Superintendent: Marion County Schools

"You have been an excellent team player, and we surely appreciate the quality of the building (Fairmont State College Education and Health Careers Building) you helped develop."

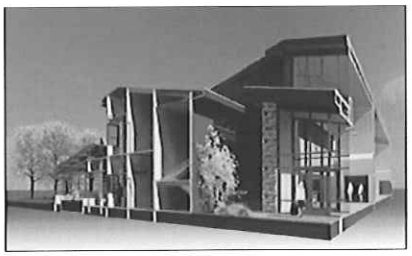
Robert J. Dillman
President
Fairmont State College

"At a time of the year when we count our blessings, we at HOPE want you to know how much we have appreciated you and your work in the past few years."

Nancy Hoffman
Director of Development
HOPE, Inc. - Task Force on Domestic Violence

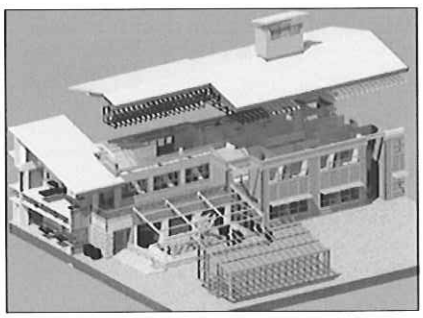
"In appreciation of all of your hard work, dedication, and technical support to the Eleanor Maintenance Complex, West Virginia Army National Guard. Your expertise has helped create one of the finest Maintenance Shops in the United States."

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



"Building Green is more than obtaining LEED Certification. The team of Omni and Manheim (General Contractor) truly listened *to CVI's unique vision of sustainable design, and developed a project that brought that vision to life. Their synergy and willingness to become our partner, provided a constant focus on quality, cost, and schedule."*

Kiena Smith
Executive Director
Canaan Valley Institute

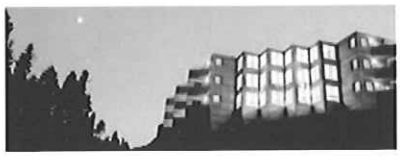


References

Client	Contact
Allegheny Power 800 Cabin Hill Drive Greensburg, PA 15601-1689	**Ms. Linda Moss** General Manager, Substations 301.790.6413
Braxton County Development Authority P.O. Box 1925 Charleston, WV 25314	**Ms. Terrell Ellis** Executive Director 304.342.6972
West Virginia HighTechnology Consortium Foundation 1000 Technology Drive, Suite 1000 Fairmont, WV 26554	**Mr. Brad Calandrelli** Facility and Property Program Manager 304.366.2577 ext. 233
Morgantown Utility Board 278 Greenbag Road Morgantown, WV 26501	**Mr. James Green** General Manager 304.292.8443
City of Fairmont 200 Jackson Street Fairmont, WV 26554	**Mr. Jay Rogers** City Manager 304.366.6211
Mylan Pharmaceuticals 781 Chestnut Ridge Road Morgantown, WV 26505	**Mr. J.J. Dotson** Director of Engineering 304.554.5520
Canaan Valley Institute P.O. Box 673 Davis, WV 26260	**Mr. Dan Wheeler, Construction Manager** Science & Technology Team 304.463.4739
West Virginia Radio P.O. Box 1900 570 Canyon Road Morgantown, WV 26505	**Mr. Jim Troy** V.P. of Finance 304.594.1768
West Virginia Army National Guard 1707 Coonskin Drive Charleston, WV 25311-1099	**BG Melvin Burch** Div. of Engineering & Facilities, Armory Board 304.561.6450
Fairmont State University Locust Avenue Fairmont, WV 26554	**Mr. James Decker** Assistant Vice President, Physical Plant 304.367.4861
Division of Natural Resources **WV Parks & Recreation Section** Capitol Complex, Bldg. 3, Room 714 1900 Kanawha Blvd., East Charleston, WV 25305-0662	**Mr. Brad Leslie** Chief Engineer 304.558.2764 ext. 273

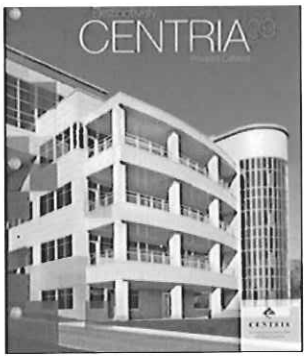
Omni Associates realizes that our relationship with our clients is a vital component in the success of realizing their goals and needs.

We encourage you to contact any of the following references in assisting you with your selection of a professional architectural firm.



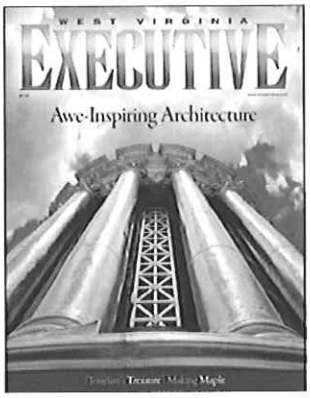
Awards / Accolades / Publications

Omni Associates - Architects has been recognized for outstanding architectural services by several highly regarded industry organizations:



West Virginia High Technology Consortium
5000 NASA Boulevard
CENTRIA 2009/2010 National Product Catalog
Cover Feature

5000 NASA Boulevard was selected for the cover photograph of the CENTRIA 2009/2010 product catalog. Centria is a national leader in manufacturing architectural metal wall and roof systems.



West Virginia High Technology Consortium
5000 NASA Boulevard
West Virginia Executive Magazine
VOULUME III 2008
Featured as one of ten examples of "Awe Inspiring Architecture"

"The new towers at the Technology Park in Fairmont, WV are an outstanding addition to an already exceptional park; the towers were put in place by the West Virginia High Technology Consortium Foundation (WVHTC). Site work began in the fall of 2005; the buildings themselves are approximately 130,000 square feet and cost $24 million with 95 percent of the workers coming from West Virginia. The buildings sport a 6,000 -square-foot conference center that spans the top of the towers and connects the two buildings with 5,700-square-foot working balconies and 2,200-square-foot roof-top gardens.

The view from the conference room on the fifth floor is one of the best in the state with the ISR building, the NASA building and the Innovation Center all in view."

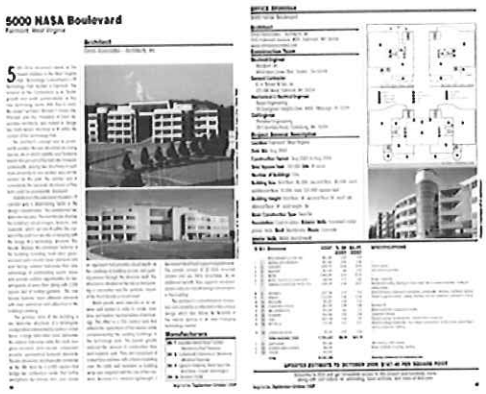
Fairmont State University
Engineering Technology Building Addition
Master Builders' Association of Western Pennsylvania
2008 Building Excellence Award Finalist
Category: Best New Construction Over $10 Million

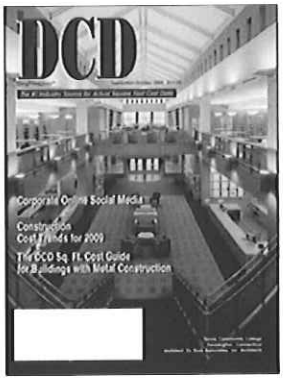
The Design Alliance / Omni Associates - Architects
Landau Building Company (General Contractor)
Fairmont, West Virginia

Awards / Accolades / Publications

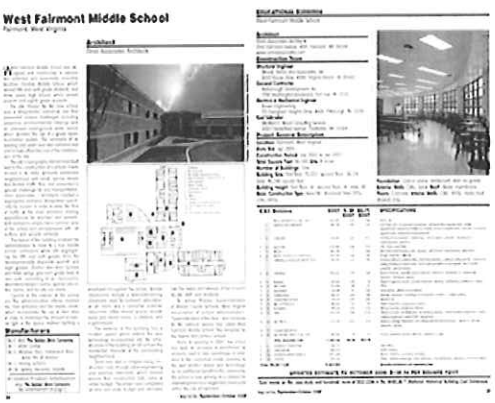
Mid-Atlantic Sports Cars
Annual Varco Pruden Annual Hall of Fame Competition
2009 Hall of Fame Award: Automotive Category
2009 Best Of Category
General Industries, Inc. (General Contractor)

West Virginia High Technology Consortium
5000 NASA Boulevard
Published project: DCD Magazine (Design Cost Data)
September - October 2009





West Fairmont Middle School
Published project: DCD Magazine (Design Cost Data)
September - October 2008



Awards / Accolades / Publications

St. Bernard Chapel
American Institute of Architects—West Virginia
2008 Merit Award - Achievement in Design
Snowshoe, West Virginia

City of Fairmont
Public Safety Building
Main Street West Virginia
2007 Best Exterior Renovation Project
Fairmont, West Virginia

Mylan Pharmaceuticals
North Expansion
Associated Builders and Contractors
2007 Excellence in Construction Award
Category: Mega Projects: More than $100 Million
MARCH-WESTIN CO. (General Contractor)
Morgantown, West Virginia

Mylan Pharmaceuticals Executive Offices
American Institute of Architects—West Virginia
2001 Honorable Mention - Excellence in Design
Morgantown, West Virginia

Mylan Pharmaceuticals
East Wing Executive Offices
Associated Builders and Contractors
2001 Excellence in Construction
MARCH-WESTIN CO. (General Contractor)
Morgantown, West Virginia

Awards / Accolades / Publications

Pete Dye Golf Club Clubhouse
Associated Builders and Contractors
2001 Excellence in Construction
MARCH-WESTIN CO. (General Contractor)
Bridgeport, West Virginia

Rimfire Lodge
American Institute of Architects—West Virginia
2000 Honor Award - Excellence in Design
OMNI/RLA
Snowshoe Mountain Resort
Snowshoe, West Virginia

HealthWorks
American Institute of Architects—West Virginia
2000 Merit Award - Achievement in Design
Morgantown, West Virginia

West Virginia High Technology Consortium Training Center
West Virginia High Technology Consortium Foundation
1999 Operations Award of Excellence
"For positively impacting the economic growth of West Virginia and its emerging high technology business base."
G.A. Brown (General Contractor)
Fairmont, West Virginia

Greer Industries
The Paul S. Linsley Building
Associated Builders and Contractors
1998 Award Of Excellence
Building of the Year
MARCH-WESTIN CO. (General Contractor)
Morgantown, West Virginia

Awards / Accolades / Publications

Mylan Pharmaceuticals
Research And Development Facility
Associated Builders and Contractors
1997 Award Of Excellence
Building of the Year
MARCH-WESTIN CO. (General Contractor)
Morgantown, West Virginia

Robert C. Byrd
National Technology Transfer Center
American Institute of Architects—West Virginia
1996 Merit Award - Excellence in Design
OMNI/WTW
Wheeling Jesuit University
Wheeling, West Virginia

Education and Health Careers Building
American Institute of Architects—West Virginia
1993 Honor Award - Excellence in Design
OMNI/WTW
Fairmont State College
Fairmont, West Virginia

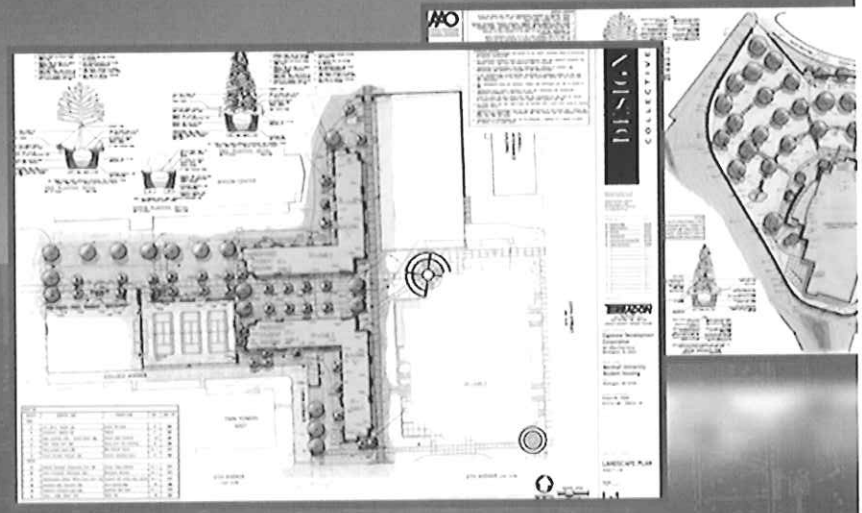
Hawthorne Valley Golf Course Clubhouse
American Institute of Architects—West Virginia
1993 Honor Award - Excellence in Design
Snowshoe Mountain Resort
Snowshoe, West Virginia

Concurrent Engineering and Research Center
Associated Builders and Contractors
1992 Building of the Year
OMNI/WTW
BRIDGES & COMPANY, Inc (General Contractor)
West Virginia University
Morgantown, West Virginia

Executive Summary

LAND DEVELOPMENT

TERRADON is recognized as a leader in providing site design and land planning services. The firm's professional landscape architects work closely with the client from the project's initial phase through schematic design, construction documents, and project delivery.



About TERRADON Corporation

TERRADON CORPORATION offers a wide range of engineering and environmental engineering design services, and is particularly suited to utility development in the mountainous areas of West Virginia and the Eastern United States. The company was formed in 1989, and its staff includes engineers, landscape architects, surveyors, planners, environmental scientists, designers, and technicians. TERRADON's services are organized into seven service areas that work together or independently, depending on client needs and the scope of the project.

Due to the breadth of services offered, TERRADON is regarded as one of the region's leading infrastructure planning and design firms. The firm has built its reputation by providing cost effective design solutions and maintaining the highest level of customer service .

SERVICE OFFERINGS

LAND PLANNING & SITE DESIGN

SURVEYING & MAPPING

CIVIL ENGINEERING

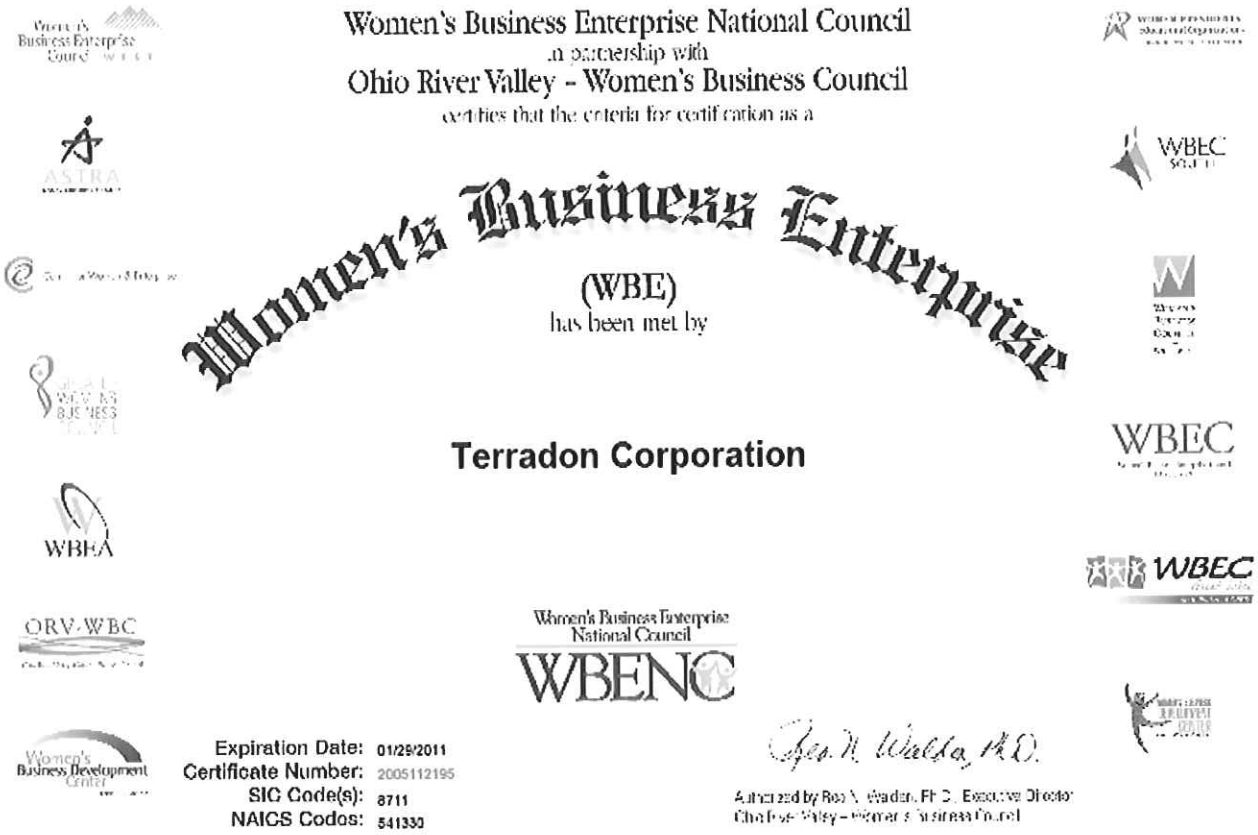
GEOTECHNICAL INVESTIGATIONS

MATERIALS TESTING & CONSTRUCTION MONITORING

ENVIRONMENTAL

ROADWAY & BRIDGE DESIGN

Certifications



Women's Business Enterprise National Council
in partnership with
Ohio River Valley - Women's Business Council
certifies that the criteria for certification as a

Women's Business Enterprise

(WBE)
has been met by

Terradon Corporation

Women's Business Enterprise National Council
WBENC

Expiration Date: 01/29/2011
Certificate Number: 2005112195
SIC Code(s): 8711
NAICS Codes: 541330

Authorized by Rea N. Wadan, Ph.D., Executive Director
Ohio River Valley - Women's Business Council

Women's Business Enterprise Certification

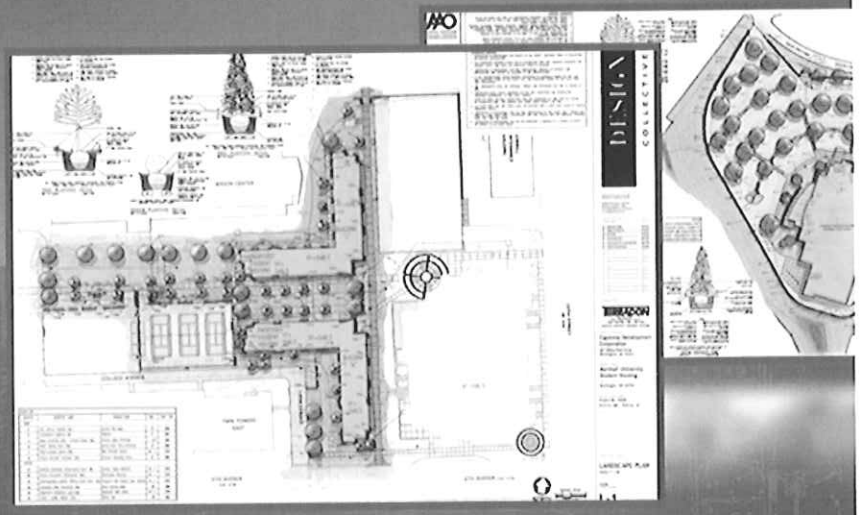
TERRADON CORPORATION is a certified Women's Business Enterprise as defined by the Women's Business Enterprise National Council. TERRADON is controlled by Virginia King, who provides more than 32 years of administrative experience to the company.

The Women's Business Enterprise National Council (WBENC), founded in 1997, is the nation's leading advocate of women-owned businesses as suppliers to America's corporations. It also is the largest third-party certifier of businesses owned and operated by women in the United States. WBENC works to foster diversity in the world of commerce with programs and policies designed to expand opportunities and eliminate barriers in the marketplace for women business owners. WBENC works with representatives of corporations to encourage the utilization and expansion of supplier/vendor diversity programs.

TERRADON Land Development

LAND DEVELOPMENT

TERRADON is recognized as a leader in providing site design and land planning services. The firm's professional landscape architects work closely with the client from the project's initial phase through schematic design, construction documents, and project delivery.



Land Development covers a broad swath of TERRADON's service offerings and sees a large percentage of its annual revenue from repeat clients or referrals. The group is comprised mainly of Landscape Architects and CAD designers and works closely with every other department within the company. TERRADON's Land Development department works with public and private entities and has a strong presence in the educational, recreation and commercial development sectors.

TERRADON Landscape Architects remain on the forefront of sustainable design, providing LEED Accredited Professionals to clients. Projects utilizing sustainable design best practices aid clients in significantly reducing energy costs on projects.

TERRADON's Land Development department Services include:

- Master Planning
- Site Feasibility Studies
- Schematic Design
- Layout Plans
- Grading Plans
- Stormwater Management Plans
- Erosion Control Plans
- Planting Plans
- Presentation Drawings/Renderings
- Graphic Design
- Construction Observation

KEY PERSONNEL

Greg Fox, ASLA, LEED AP
Department Head: Land Development

TERRADON's Land Development Services are managed by Gregory D. Fox, ASLA, LEED AP. Mr. Fox, a native of West Virginia, has been responsible for a number of notable recreation, commercial, and educational site development projects since joining TERRADON in February of 2000.

His group earned numerous Engineering Excellence awards from industry associations, and provided site design for West Virginia's first LEED Certified building.

TERRADON: Related Firm Experience

Project: Volcano Island Waterpark/ Fairmont Coke Works
Location: Fairmont, WV
Project Cost: $535,000.00
Project Date: 2008
Client Name: City of Fairmont
Address: 200 Jackson Street
Fairmont, WV 26554
Phone: 304.366.6211
Contact: Jay Rodgers
City Manager

TERRADON Corporation performed site design at the former Fairmont Coke Works and the surrounding areas, totaling approximately 350 acres of design, utility location and mapping work.

KEY PROJECT PERSONNEL

- Greg Fox, LEED AP
  LD Project Lead
- Robert Thaw, PS
  Survey Director

The master planning provided vision for Volcano Island Waterpark, allowing the City of Fairmont efficient and value-based use of the former environmentally-concerned site.

TERRADON maintains a strong working relationship with the City of Fairmont through multiple projects.

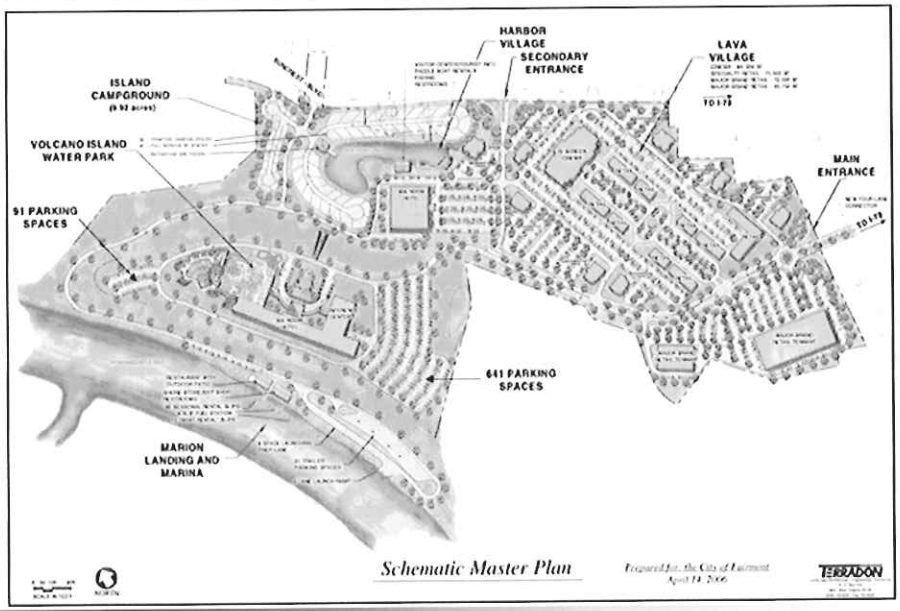
Project: West Virginia State Government Office Building
Location: Fairmont, WV
Project Cost: 310,000.00
Project Date: 2010
Client Name: Architectural Firm
Client Name: The Omni Associated Architects
Address: 1543 Fairmont Avenue
Suite 200
Fairmont, WV 26554
Phone: 304.367.1417
Contact: Dick Forren
Project Architect

TERRADON provided a site design and layout for a state government office building located in Fairmont, WV. The project consists of all layout and design, grading, site drainage, traffic and hardscapes. .

KEY PROJECT PERSONNEL

- Greg Fox, LEED AP
  LD Project Lead
- Robert Thaw, PS
  Survey Director

All underground utilities were located utilizing conventional survey methods, and presented on detailed mapping generated in AutoCAD complete with Geo referencing.



The Master Plan at left was developed by TERRADON Corporation as part of the Volcano Island Waterpark/ Fairmont Coke Works project in Fairmont, West Virginia.

TERRADON's Land Development division provided all site planning for the 350-acre site.

TERRADON

TERRADON: Related Firm Experience

Project:	**The Bechtel Summit (Boy Scouts of America National Scouting Reserve)**
Location:	**Fayette County, WV**
Project Cost:	**$1.9 Million**
Project Date:	**Ongoing**
Client Name:	**Trinity Works**
Address:	**411 Main Street Mount Hope, WV 25880**
Phone:	**304.646.2312**
Contact:	**Rob Ridgeway Project Director**

Project Description:

TERRADON Corporation provided a number of services to the Boy Scouts of America's consultant, Trinity Works, on this nearly 11,000 acre site; including survey and location services.

Working under extremely demanding time restrictions, TERRADON has delivered quality results in a timely and efficient manner for what is arguably the premiere project in West Virginia's right now.

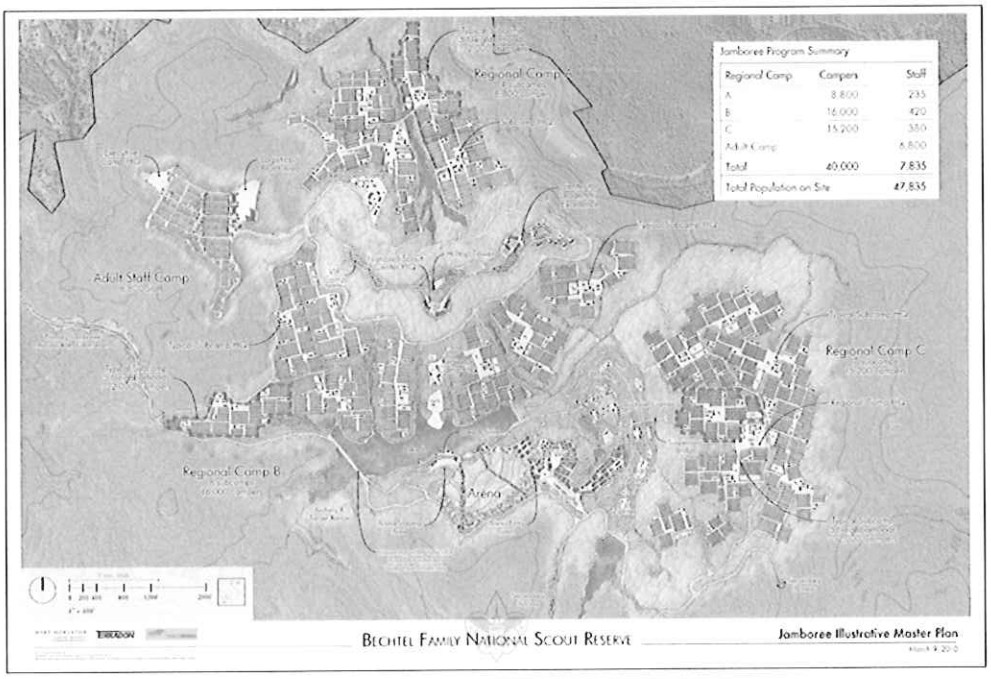
TERRADON's land development department has managed work on this site since 2008. TERRADON engineers have provided site planning, grading and drainage design services for the project.

The Bechtel Summit is one of the largest infrastructure projects in the State. To accommodate nearly 1.5 million visitors annually, spiking upward of 100,000 per day during world jamboree years, TERRADON is has provided the bulk of the site design.

KEY PROJECT PERSONNEL

- Greg Fox, LEED AP
  LD Department Head
- Robert Thaw, PS
  Survey Director
- Jason Asbury
  LD Project Liaison
- Dave Brown, PS
  Specialist
- John James, PE
  Geotechnical

This project design remains on the leading edge of utility design as TERRADON works with project owners to develop as many 'green' design features as feasible. TERRADON engineers considered 'green' solutions from around the world for this project.

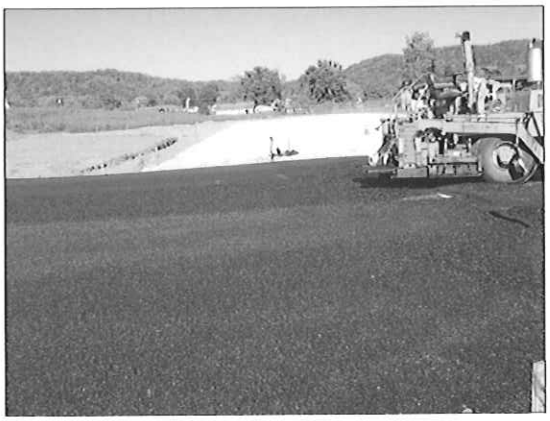


TERRADON Corporation provided site design and grading plans, location surveys and utility design for he nearly 11,000-acre site in Fayette County, WV, helping to put in place one of the largest infrastructures in the State.

Illustration by Hart Howerton.

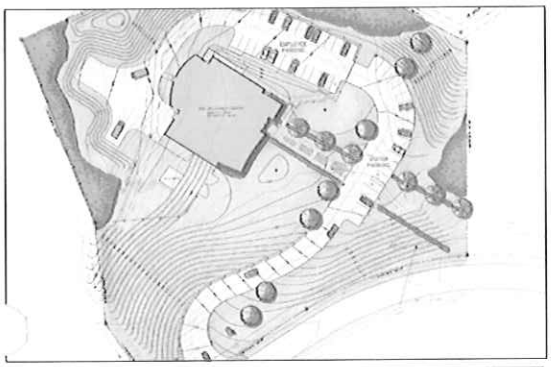
TERRADON

TERRADON: Related Firm Experience



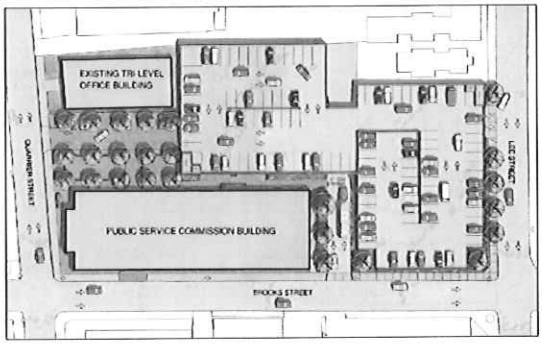
West Virginia Army National Guard Entrance

The West Virginia Army National Guard performed a road widening and repavement project including a concrete wash point for vehicles in Eleanor, WV. Additionally, the project included the construction of a new building onsite. TERRADON provided site design, roadway, parking lots, survey and geotechnical services.



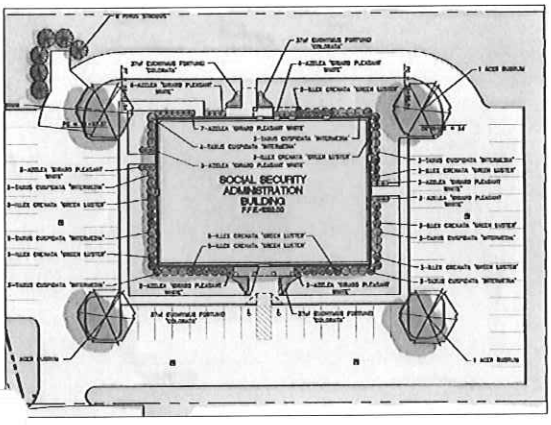
Kanawha County 911 Center

TERRADON provided master planning and site design for the Kanawha County 911 Center. The project included design and boundary survey, full sit engineering, drawings including layout, grading, drainage, and erosion control as a subconsultant to the architect.



West Virginia Public Service Commission Parking Garage

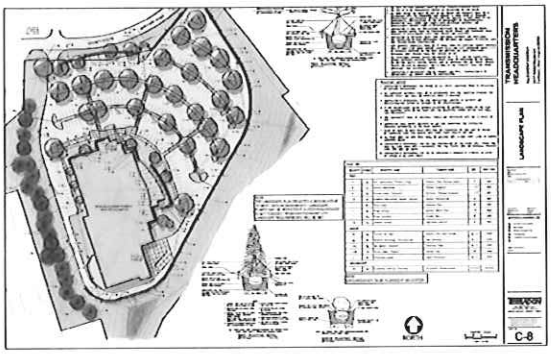
TERRADON provided master planning for the West Virginia Public Service Commission Parking Garage. Services included geotechnical, survey, design and boundary survey, full sit engineering, drawings including layout, grading, drainage and erosion and sediment control.



Social Security Administration Building—Logan, WV

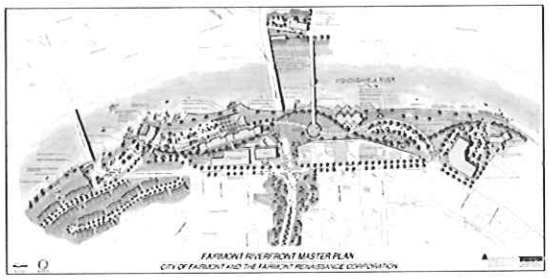
TERRADON provided master planning for the Social Security Administration Building in Logan, WV. Services included geotechnical, survey, design and boundary survey, full sit engineering, drawings including layout, grading, drainage and erosion and sediment control.

TERRADON: Related Firm Experience



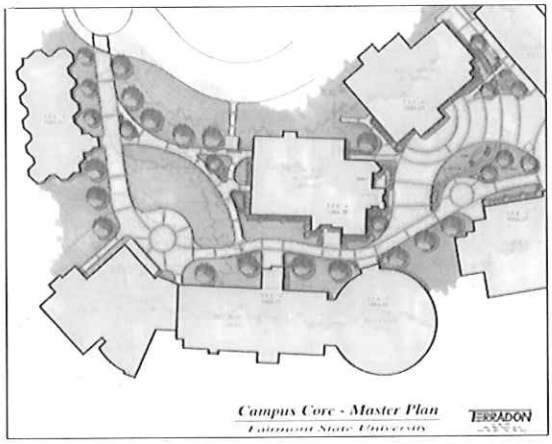
Allegheny Energy Office Complex

TERRADON provided master planning for the Allegheny Energy Complex located in Fairmont, WV. The project included site planning, survey, landscape and hardscape design. TERRADON was responsible for all site layout features including grading and drainage.



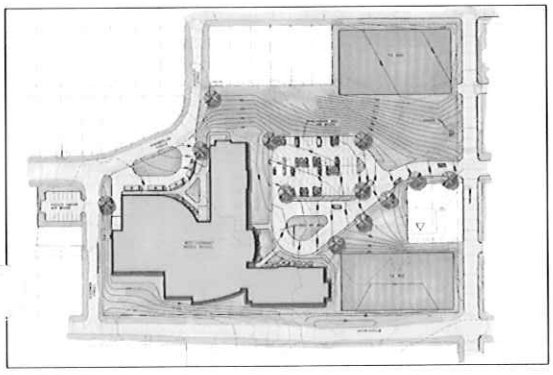
City of Fairmont Riverfront Masterplan

TERRADON provided master planning for the City of Fairmont riverfront. The plan provides site design and layout for recreational, event and public use. The project includes pedestrian walkways and flow coordination, site layout, drainage, amenity layout, landscape and hardscape design.



Fairmont State University Campus Core Planning

TERRADON provided master planning for Fairmont State University. The project included the layout of the core campus facilities including all site grading, landscape, drainage and the design of a seating wall/ fountain and location kiosks.



West Fairmont Middle School

TERRADON provided master planning for West Fairmont Middle School. The project included site layout and design, drainage, traffic flow, pedestrian walkways and landscape design.

TERRADON Surveying & Mapping

SURVEYING & MAPPING

A critical piece to the engineering and construction industry, TERRADON is regarded as a top-tier firm in the surveying and mapping trade. TERRADON focuses on construction stakeout, ALTA survey, topographic survey, and boundary survey services.

TERRADON has developed an extensive resume of successful surveying and mapping projects performed throughout the difficult terrain of West Virginia and surrounding states. The Survey and Mapping group performs services for a large number of private and public sector clients. TERRADON's experienced, staff of licensed professional surveyors and mappers brings expertise and proficiency to every project.

It's commitment and investment in state-of-the-art equipment and technology enable the company to overcome unique and challenging project conditions and obstacles.

Services Include:

- GPS Control mapping
- GIS
- Underground Utility Location
- Wetland delineation surveys
- Base mapping for (GIS) geographic information system
- Boundary surveys
- ALTA/ACSM surveys
- Topographic surveys
- Engineering design surveys
- Aerial Imagery
- Horizontal and Vertical Control Surveys
- Commercial subdivision platting
- Residential subdivision platting
- Cellular / Communications Towers Surveys
- Hydrographic / Marine Surveying
- Tree Surveys and Inventories

KEY PERSONNEL

Robert Thaw, PS
Department Head: Survey & Mapping

Mr. Thaw is Manager of Surveying Services for TERRADON. He organizes and supervises survey crews; designs commercial sites for drainage, building site locations, parking and utility easements; reviews project plans; and creates base mapping. Mr. Thaw has more than 22 years of experience in a wide range of land surveying applications. He is experienced with the day-to-day operation of the business and management of personnel.

TERRADON Geotechnical Engineering

GEOTECHNICAL ENGINEERING

TERRADON offers one of the most experienced staff in the region for local geotechnical expertise. The company provides a distinct understanding of the difficult soil and groundwater conditions found in the Appalachian region of the United States.

Geotechnical engineering requires specialized technical knowledge. It's most effective however when paired with local expertise and experience, a combination TERRADON offers to projects. A staff of experts brings a distinctive understanding of the difficult soil and groundwater conditions found in the Appalachian region of the United States. The Geotechnical group has provided investigations associated with earthen dams, mining, waste disposal, new building construction, and environmental remediation. TERRADON's team performs subsurface investigations and geotechnical design services such as:

- Drilling
- Test pit excavations
- Soil and rock logging, sampling, and testing
- Monitoring well and piezometer installation
- Foundation design
- Earthen dams
- Landslide analysis and remedial design
- Retaining structure design
- Municipal and industrial landfills
- Stability analysis
- Flexible and rigid pavement design

KEY PERSONNEL

John James, PE

Department Head: Geotechnical

Recognized as an industry expert in West Virginia, Mr. James specializes in innovative and cost saving concepts for his projects. Typical projects include numerous foundation investigations, studies and designs for landfills and environmental facilities, surface and ground water studies and remediation, foundation investigations and designs ranging in size from houses to major industrial complexes, roads, highways and bridges, earth and rockfill dams, storm drainage facilities, airport facilities, landslide analysis and correction, and forensic engineering.

TERRADON Materials Testing & Construction Monitoring

MATERIALS TESTING & CONSTRUCTION MONITORING

TERRADON offers materials testing and construction monitoring to document compliance with project design specifications and regulatory requirements. The firm offers a staff that is well-versed in the industry, holding all WVDOH certifications for materials testing.

TERRADON offers materials testing and construction monitoring to document compliance with project design specifications and regulatory requirements. The firm provides construction monitoring for utility, highway, and commercial construction projects. TERRADON also provides laboratory and field testing of construction materials. Engineers and technicians at TERRADON are West Virginia Department of Highways certified in Portland Cement Concrete, Hot mixed Asphalt, Compaction, and Aggregates.

Testing and Monitoring Services include:

- Slump of Portland Cement Concrete (AASHTO-T119)
- Air Content of Freshly Mixed Concrete (AASHTO-T196 & T152)
- Unit Weight and Yield (AASHTO-T121)
- Making and Curing of Concrete Test Specimens (AASHTO-T23)
- Compressive Strength of Concrete Specimens (AASHTO-T22)
- Fine and Course Aggregate Gradations (AASHTO-T11 and T27)
- Specific Gravity of Aggregates (AASHTO-T84 and T85)
- Atterberg Limits (ASSHTO-T89 and T90)
- Moisture Content of Soil (ASTM-D2216)
- Nuclear Compaction Testing of Soil, Stone, and Hot Mixed Asphalt
- Preparation of Certification Forms and Construction Reports

KEY PERSONNEL

Bruce Frame
Department Head: Materials Testing

Bruce Frame is TERRADON'S Manager of Construction Inspection and Materials Testing. He has 35 years of experience in materials testing in the Materials Section of the West Virginia Department of Transportation, Division of Highways. Since joining TERRADON in 2000, he has been responsible for material testing and inspection on a wide variety of construction projects.

TERRADON Environmental Engineering

ENVIRONMENTAL ENGINEERING

TERRADON offers a strong environmental engineering team to manage issues in a complex environment. TERRADON's staff closely follows environemental activity on a local, state and federal level. TERRADON's staff is well-versed on environmental permitting processes and regulations as well as site assessment and reporting.

Constantly changing federal and state environmental requirements are difficult to track and can have a serious impact on businesses and other organizations. TERRADON closely follows environmental activities on the local, state, and federal level. TERRADON has a thorough understanding of state and federal environmental permitting processes and regulations. This expertise applies to both the initial permit preparations, as well as subsequent negotiations affecting the permit. The firm's strength in addressing environmental issues is built on the diversity of our staff with credentials in chemical engineering, chemistry, civil engineering, geotechnical engineering, and geology. The company has experience in:

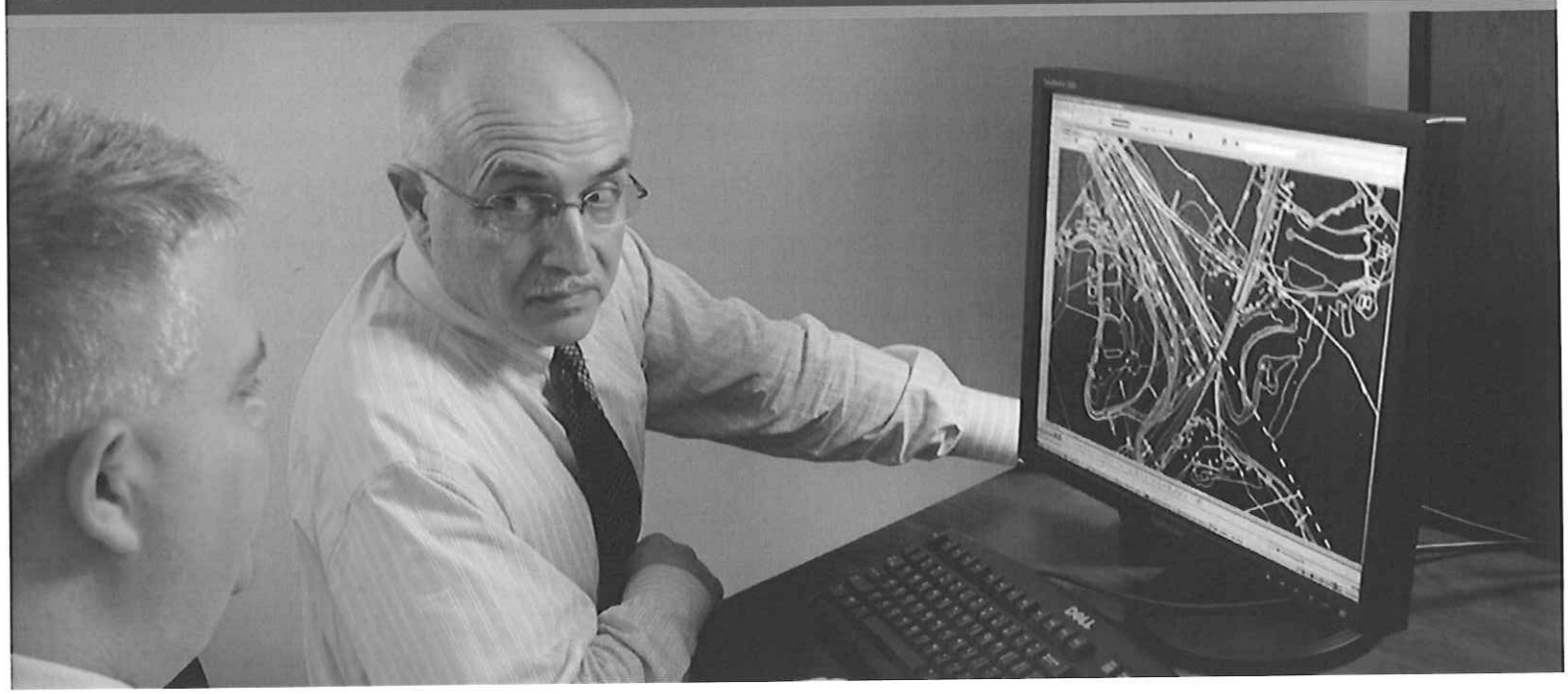
- Solid Waste
- Hazardous Waste
- Process Water
- Wastewater
- Storm Water
- Groundwater
- Air Pollution
- Risk Management Plans
- Vulnerability Assessments
- Emergency Response Plans
- Environmental Audits
- Environmental Site Assessments
- Environmental Remediation
- NEPA Compliance
- Asbestos and Lead Inspection
- Underground Storage Tanks
- Impoundment Stabilization and Closure

KEY PERSONNEL

Bill Hunt, LRS, PG
Department Head: Environmental

Bill Hunt serves as TERRADON's Environmental Project Manager. Hunt offers more than 24 years of environmental management expertise during the completion of more than 1000 environmental projects. Hunt is a Licensed Remediation Specialist and a Professional Geologist. His background includes environmental site assessments, permitting, remediation, testing and analysis.

TERRADON Technology



TERRADON maintains the latest office management and design software available. The firm also utilizes a state-of-the-art secured network tied directly to the internet through a T2 connection.

For site design, civil, and planning projects the firm utilizes AutoCAD Civil 3D 2008 along with Land Desktop Companion 2008. Additional AutoCAD modules include Raster 2008, Survey 2008, and Civil Design 2008. For highway, roadway, and structural projects, the firm uses Bentley MicroStation, Bentley InRoads, SAP2000, and MDX. This is the West Virginia Division of Highways preferred format. TERRADON's library of design software also includes SedCad & Pond Pack for erosion/sediment control, StormCAD & HydroFlow for drainage, WaterCAD for water distribution and management, and FlowMaster for hydraulic calculations.

TERRADON makes a significant investment in computers and related hardware. Our systems are consistently upgraded or replaced to maintain highly efficient CAD stations. HP8000 laser printers located conveniently to the design stations provide quick 11x17 proof plots for designers. TERRADON uses the latest HP Design Jet plotters to provide the highest quality prints of plans available.

Additional Support

TERRADON Corporation also implements the use of a proprietary software call TEAM CENTER, allowing its engineers to efficiently share project documents with clients through secure FTP access with strict security access. Clients are invited to view the project repository through a hyperlink provided in an email. In a two-step process, clients simply click the link provided in the email, create a username and password and they enjoy access to drawings and related projects materials within seconds.

Key Personnel

Gregory D. Fox, ASLA, LEED AP

Department Head: Land Development

TERRADON'S Landscape Development services are managed by Gregory D. Fox, ASLA, LEED AP. Mr. Fox, has grown TERRADON's Land Development group into a premier design and consulting group throughout West Virginia and its surrounding states. Fox is a LEED Accredited Professional, and has provided site planning and design on multiple LEED certified projects, including the first LEED project ever completed in the State.

Education

- B.S. Landscape Architecture
  West Virginia University
- B.A. Geography & Planning
  West Virginia University

Work Experience

- 2000-Present
  TERRADON Corporation
- 1996-2000
  Martin Boal Anthony & Johnson Architects
- 1993-1996
  Site Design
- 1989-1993
  EG&G Inc
- 1988-1989
  PSC Engineers

Registration

- Landscape Architect: WV, OH, NC, SC, PA, VA
- LEED AP
- American Society of Landscape Architects
- National Council on Landscape Architectural Registration Boards

Recent Project Experience Highlights

Mr. Fox has been responsible for a number of notable recreation, commercial and educational site development projects since joining TERRADON in February of 2000. His group earned a 2001 Engineering Excellence Award from the West Virginia Association of Consulting Engineers for the master planning of an extreme sports park at WVUIT in Montgomery.

They also earned a 2002 Engineering Excellence Award from the West Virginia Association of Consulting Engineers and a 2002 Merit Award from the American Society of Landscape Architects for the City of Fairmont Riverfront Master plan project. Most recently, the 2005 Gold Award from the American Council of Engineering Companies was presented to the firm for the site design of the new West Virginia Division of Environmental Protection Headquarters Building.

Other notable projects include the Marshall University Parking Garage, the West Virginia Public Service Commission Parking Facility, the Home Depot development at Southridge Center, and more than 30 new schools located throughout West Virginia.

Key Personnel

Jack Mangus, P.E.

Project Engineer

Mangus is a 13-year veteran in the engineering and land development industry. As a registered professional engineer, Mangus provides engineering support to TERRADON clients primarily in the educational and commercial land development sectors. His background includes site and utility design, layout, permitting and utilization planning. Mangus joins TERRADON after a successful 12-year career in Florida where he provided similar services throughout the state.

Education

» B.S. Civil Engineering, 1998
University of Florida

Work Experience

» 2010-Present
TERRADON Corporation
Project Manger/Engineer

» 2008-2010
Hill, Boring, Dunn & Associates
Vice President

» 2005-2008
Liberty Development
Director of Development

» 2002-2005
Southeast Engineering Group
President

» 2000-2002
Hill, Boring, Dunn & Associates
Construction Manager

» 1999-2000
C. Vargas & Associated
Project Manager

Registration

» Professional Engineer
State of West Virginia
State of Florida

Recent Project Experience Highlights

West Virginia Higher Education Policy Commission Advanced Technology Center—Dow Industrial Park

» Working through the architect, Mangus has provided civil engineering support for TERRADON project activities including site planning and layout, landscape architecture and site utilization.

K-12 Education Projects

» TERRADON has provided services for numerous site designs on K-12 educational projects throughout the State of West Virginia, primarily as a subconsultant to architects. Since joining TERRADON, Mangus has been responsible for civil engineering support on those project s including Winfield Middle School, Confidence Elementary, and Marsh Fork Elementary.

Federal Building—Charleston, WV

» Mangus is currently providing civil engineering support for TERRADON's site development plans for a GSA Federal Building in Charleston, WV.

Residential Housing Developments

» Prior to joining TERRADON, Mangus provided civil engineering services on numerous large-scale residential housing development in the Sate of Florida. Typical projects consisted of several hundred acre developments including residential housing, golf courses, country clubs and facilities buildings and maintenance facilities.

Commercial Site Design

» Mangus has been responsible for multiple commercial site developments, primarily in Florida. However since joining TERRADON Corporation, Mangus has provided civil engineering support for commercial properties including Sheetz facilities, and Medical office buildings.

Key Personnel

Robert Thaw, PS

Department Head: Survey and Mapping

Mr. Thaw is Manager of Surveying Services for TERRADON. He organizes and supervises survey crews; designs commercial sites for drainage, building site locations, parking and utility easements; reviews project plans; and creates base mapping. Mr. Thaw has more than 22 years of experience in a wide range of land surveying applications. He is experienced with the day-to-day operation of the business and management of personnel.

Education

- B.A., Survey Technology, 1981, West Virginia Institute of Technology
- B.S., Surveying, 1985, West Virginia Institute of Technology

Work Experience

- Terradon Corporation 1994-Present
- Bowman Land Surveying 1992-1994
- Dunn Engineers 1990-1992
- Kelley Gidley Blair and Wolf 1988-1990
- Pierson & Whitman Architects and Engineers 1984-1986

Registration

- Professional Surveyor, West Virginia

Relevant Project Experience

- Paden City water service study, Paden City WV. Terradon was a subcontractor responsible for complete water service as-built. The project consisted of approximately 13 miles of water line to be mapped and cataloged. Responsible for all survey aspects and mapping

- Underground utility as-built for all of Southridge Centre, Dudley Plaza, Trace Fork, and Nitro Market Place. As-built of all underground utilities including storm sewer. The scope included horizontal location, vertical location, and connectivity. The all underground information was compiled, reconciled, and shown in tabular form in AutoCAD. Responsible for all survey aspects and mapping.

- Martinsburg Drainage Study, Martinsburg, WV. TERRADON Corporation was contracted by WVDOH to perform a drainage study for the City of Martinsburg, WV. The project involved the development of a comprehensive drainage study comparing pre and post development conditions. TERRADON performed aerial photography, mapping, right-of-way and as-built storm sewer system as part of the contract. Responsible for coordination aerial mapping, GPS control, field location and AutoCAD mapping.

- Thomas Memorial Hospital, South Charleston, WV. TERRADON was contracted to perform a detailed topographic survey and underground utility study of approximately of five city blocks and Thomas Memorial Hospital. The information was utilized for the master planning and implementation of the most recent Thomas Memorial Hospital campus project. Responsible for all field activity and mapping.

- High Street Streetscape, Morgantown, WV. TERRADON was subcontracted to provide detailed mapping for the High Street streetscape project. Terradon coordinated with Morgan Utility Board (MUB) to obtain pertinent records to map the underground utilities on High Street. MUB information was scanned and geo referenced to the survey. The information collected in the field was by conventional survey methods. The final product was delivered in AutoCAD format for design purposed.

Key Personnel

John W. James, P.E.

Department Head: Geotechnical

Senior engineer for various geotechnical, environmental, and mining projects. Prior to joining TERRADON in 2004, Mr. James was the proprietor of JAMES ENGINEERING, a one man consulting engineering company with projects in geotechnical, hydrological, environmental, foundation, structural and general civil engineering, as well as forensic engineering. Mr. James specializes in innovative and cost saving concepts for his projects. Typical projects include numerous foundation investigations, studies and designs for landfills and environmental facilities, surface and ground water studies and remediation, foundation investigations and designs ranging in size from houses to major industrial complexes, roads, highways and bridges, earth and rock fill dams, storm drainage facilities, airport facilities, landslide analysis and correction, and forensic engineering.

Education

- B.S. Civil Engineering
  West Virginia Institute of Technology

Work Experience

- 1997-Present
  TERRADON Corporation
- 1990-1997
  Kelly, Gidley, Blair and Wolfe
- 1982-1989
  Dunn Engineers
- 1979-1982
  West Virginia Department of Highways

Registration

- Professional Engineer: WV

Affiliations

- American Society of Civil Engineers
- National and West Virginia Society of Professional Engineers

Recent Project Experience Highlights

- Geotechnical investigation and design of numerous water and wastewater treatment plants, including Charleston Wastewater Treatment Plant, North Beckley Wastewater Treatment Plant, Buckhannon Water & Wastewater Treatment Plant, Elkins Water &Wastewater Treatment Plant, Berkley Spring Water Treatment Plant, Morgantown Wastewater Treatment Plant, Elk Pinch Wastewater Treatment Plant, Parkersburg Wastewater Treatment Plant, St. Albans Water Treatment Plant.

- Design and upgrade of water supply dams including Upper & Lower Dog Run water supply dams, Salem, West Virginia; Key Dam, Bluefield, West Virginia; Chatham Lake Dam (irrigation supply), Shady Springs, West Virginia. Involvement with geotechnical aspects included interaction with process and structural aspects and structural design of many components.

Tower Engineering Overview and Services

At Tower Engineering, our goal is not to just meet our clients' needs....

but to exceed their expectations.

Tower Engineering has been providing innovative mechanical and electrical engineering solutions and unparalleled client service since 1931.

Primary markets of the firm include educational, health care, environments for the aging, and commercial renovations and new construction.

Tower Engineering's highly-trained staff of project managers, designers, and technical support personnel is capable of providing consulting services for every type of project - from a small, single-family residence to a high tech research facility incorporating redundant mechanical and electrical systems, DDC energy management and thermal storage. Our engineers utilize state-of-the-art computer software programs for the design of lighting, electrical power and mechanical systems. Lighting analysis includes point-by-point calculations, ESI analysis, exterior lighting analysis, and life cycle cost comparisons. Electrical power analysis includes fault current and load flow analysis.

Mechanical analysis includes energy economy analysis, thermal storage analysis, heating and cooling load calculations, refrigerant piping design, water piping design, and duct work design. Our professional staff utilizes computer selection of air handling units, coils, pumps, terminal devices, fans, cooling towers, chillers, heat exchangers, kitchen hoods, hydronic and steam specialties, humidification equipment and heat recovery equipment.

Specific Engineering Services

HVAC

- Heating and cooling system design
- Ventilation system design
- Building automation systems
- Control systems and energy monitoring
- Geothermal heat pumps
- Heat recovery systems
- Kitchen and laboratory exhaust systems
- Smoke evacuation systems
- Computer room environmental control systems
- Building commissioning services

Electrical

- Interior and exterior lighting design and studies
- Lighting controls
- Primary and secondary voltage power distribution systems
- Fire detection and alarm systems
- Computer data and power systems
- Uninterruptible power supply systems
- Reinforced and masking sound systems
- Lightning protection systems
- Fault current studies
- System over-current protection coordination

Telecommunications

- Voice communication systems
- Data network systems

Plumbing

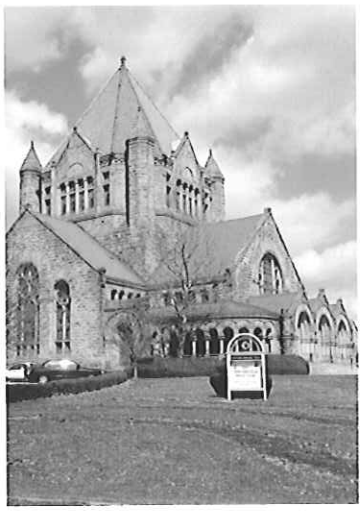
- Water resource efficiency analysis
- Sanitary drainage systems
- Storm water management
- Domestic water systems
- Waste water treatment systems
- Hospital and laboratory piping systems
- Fuel oil piping systems
- Irrigation systems

Fire Protection

- Standpipe and sprinkler systems
- Fire protection systems

Design Experience

- Agricultural & Science Buildings
- Airport Terminals & Hangers
- Athletic Facilities& Stadiums
- Auditoriums & Theaters
- Call Centers
- Classrooms
- Clean Rooms & Special Environments
- DataCenters
- Dining Halls
- Dormitory Buildings
- Environments for the Aging
- High-Rise & Low-Rise Office Buildings
- Historic Preservation & Adaptive Reuse
- Hotels/Motels
- Judicial & Courtroom Facilities
- Manufacturing & Industrial
- Movie Theaters
- Municipal Complexes
- Museums, Galleries & Libraries
- Nuclear Facilities
- Outpatient & Hospital Facilities
- Parking Garages
- Postal Facilities
- Prisons & Correctional Institutions
- Public Safety Buildings
- Recreational Facilities
- Religious Facilities
- Research/Laboratories
- Residential & Multi-Unit Housing
- Retail & Shopping Centers
- Schools
- Student Unions
- TV/Radio Stations
- Vehicle Maintenance Facilities
- Warehouses &Depots



Tower Engineering maintains full CAD capabilities utilizing AutoCAD Release 2008, which is compatible with most micro and mini based computer systems. Our AutoCAD software has been modified in-house to further enhance productivity per discipline. Firm-wide CAD standards are also in place to ensure uniformity.

TOWER ENGINEERING

115 Evergreen Heights Drive, Suite 400, Pittsburgh, Pennsylvania 15229 • 412-931-8888 • Fax 412 939-2525 • www.estower.com

Technology Expertise

We don't design technology simply for the sake of technology.

Technology systems form an important element within any type of facility. Communication via data transfer, voice, audio or video involves complex integration and interconnection of systems to ensure users can work effectively and efficiently.

Tower Engineering provides flexible and complete solutions to meet current and future technology needs based on discussion and review with users and operations personnel of the facility.

Tower Engineering's Technology Department was established to provide consulting engineering services to the construction communications market through innovating and leading edge system solutions and design for a wide variety of facility and client types. Our skilled technology systems designers have the experience necessary to provide cost effective, high performance designs.

Areas of specialization include:

- Building Automation
- Audio/Visual Systems
- Telephone/Communications Systems
- Networking Systems
- Outside Plant Design
- Structured Cabling System

We Offer the Following Professional Services

Technology Plan Development - A comprehensive master plan that will establish an overall direction for technology within the facility. This plan will take into consideration the needs of today and projected needs of tomorrow.

Scope and Definition - A written description of the technology that will be designed and implemented. This will provide an agreed-upon plan to follow.

Design and Engineering - Detailed, build-to documents prepared in AutoCad, including applicable mechanical and electrical systems. This system documentation package includes all system drawings, equipment rack elevations, equipment placement within the room, layouts and connectivity path drawings for other areas and technologies.

Bid/Award Process - Tower Engineering will assist in preparation of bid documents, reviews of bids,and participate in the award negotiations.

Project Management - We assure the client that during the installation phase, the contractor is compliant to the specification. Progress reports, system testing and final sign off are all part of the PM service

Areas of Expertise Include:

- Corporate Conferencing Centers
- Audio/Visual Reinforcement Systems
- Broadcast and Production Facilities
- Video Conferencing Designs
- Computer Classrooms
- Infrastructure Development
- Voice/Data Infrastructure Designs
- DistributedTelevisionDesign
- Complete Technology Planning
- AuditoriumandLectureHallSystems
- Multi-Media Presentation Rooms
- Media and Room Control System

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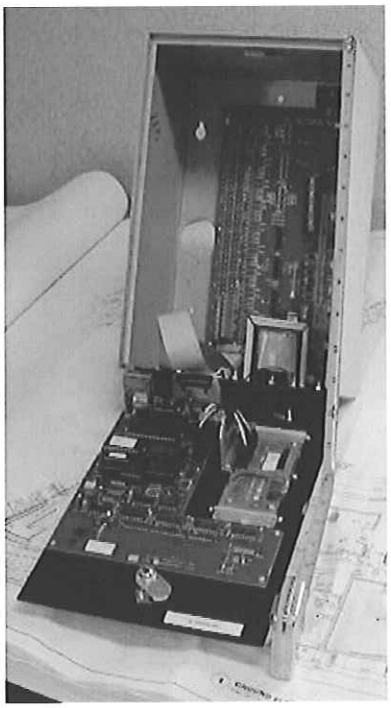
Technology Expertise Cont.

Building Automation

Today's challenges in facility automation are more complex than ever before. Whether clients are erecting skyscrapers, airports, schools or universities, or updating corporate headquarters, they are braving new territory in building automation. Diversity in vendor technologies and the essential factors now being forecasted for future efficiencies both contribute to the environment being so complex.



Tower Engineering's design specialists can work with you to successfully integrate your systems and understand your facilities management goals. Our design services include a detailed requirements analysis, focused system definition and development, and comprehensive program management. Tower Engineering's design specialists have experience with the automation of HVAC,electric,lighting and other functions in your building's operation. Our design solutions are based on technologies such as BACnet, LON, OPC, TCP/IP, NET, XML, ODBC and Java.

Tower Engineering has systems design expertise in:

- Access Control Systems
- Intrusion Detection
- CCTV and Intercom systems
- Energy Management
- Lighting Control
- Direct Digital Control
- SCADA Systems
- Distributed Control Wide & Local Area Networks
- Electrical Distribution Monitoring & Control
- System Performance Auditing
- Interoperable Systems
- Multiple Vendor Integration
- Energy Metering & Billing
- Web Enabled Systems
- Cost Estimating
- Preventative Maintenance Management
- Systems Commissioning

Audio/Visual & Multimedia

The audio and video conference market continues to explode with newer, better technology. The use of low speed video conferencing via the Internet makes it possible for businesses to make use of the latest technology at affordable prices. Video conferencing is becoming an ideal way for employees who telecommute or work at client locations to participate in corporate meetings. Whether your needs include high-quality audio only or audio/video conferencing, the proper equipment, networking and training will ensure that your conferences will be of the utmost quality.

Tower Engineering offers expertise for conferencing solutions, including:

- Audio Conferencing Equipment Evaluation and Recommendation
- Evaluation of Multi-Faceted Teleconferencing Options via LAN and Internet Connections
- Video-Conferencing Codec Evaluation and Recommendation
- Desktop Conferencing
- Mid-Size and Mobile Systems
- Conference Room Systems
- Specification of All Network Requirements for Audio/Video Conferencing
- Design and Specification of Network Requirements for Video Conferencing from site to site
- Evaluation of ISDN Applications for Desktop Video Conferencing and WAN Applications
- Design/Specification and Evaluation of Internet Based Video-Conferencing Options

Technology Expertise Cont.

Telephone and Communications Systems

Tower Engineering offers a wide range of telephone/communications systems for both new construction and renovation projects. We work to determine our clients' current requirements and projected future needs. Our technology engineers are experienced with a full spectrum of design, engineering, specification, procurement and implementation of telephone/communications systems, including:

- VOIP&PBX Systems
- Emergency/Elevator Phones
- Messaging, Voice Mail
- Call Center Requirements
- Redundancy Attendant Console
- Video Conferencing Single Units
- Time Clock & Time Logs
- Quick Record Messaging
- Video Feed (Cable TV
- Switching & Routing
- Panic Buttons
- Wireless Networking
- High Speed Internet
- Redundant Systems
- Integrated/unified voice&e-mail
- Employee bulletins
- Silent broadcast
- IPTV (Streaming Video)

Tower Engineering's technology designers have provided these services for a wide variety of facilities including commercial, educational, medical, and government. Representative projects include call centers for National City Bank, PNC Bank's National Financial Services Center, Verizon Wireless; North Central College's 32-building campus; Washington State University's 212-building campus; and the entire campus of the College of DuPage in Glen Ellyn, Illinois.

Networking Systems

Tower Engineering's technology designers provide engineering solutions necessary to integrate technology into a building. We understand new and emerging technology, and how to intuitively and cost-effectively build and manage communications infrastructures. By conducting a thorough network assessment, our technology designers will determine the overall condition of your local-area network (LAN), wireless local area network (WLAN), and / or wide-area network (WAN), as well as identifying opportunities to improve network performance. Our technology engineers will design a solution to meet your project requirements, including time and cost considerations, utilizing existing infrastructure and planning for future growth.

Tower Engineering's experienced technology system designers have provided services for the following representative projects:

- Networked Computer Design of 7000+ Network Data Center for Indiana State Office Building, Indiana
- Engineering design and project management for communications system for entire campus (32 buildings) of North Central College, Naperville, Illinois
- Multi-Million Dollar Cabling Infrastructure for Data Center for Phillip Morris Corporate Headquarters, NewYork
- Data Center for Weirton Steel Mill, West Virginia
- Data Center for General Motors Corporation, Michigan

Technology Expertise Cont.

Outside Plant Design

Tower Engineering's technology designers thoroughly understand the challenges that businesses face in today's fast paced environment. We work hard to understand your organization's culture, business model, and technology requirements to develop and implement design solutions to meet your specific needs - from business relocation and expansion planning to technology and telecommunications solutions across the business marketplace.

We continually monitor the latest trends and developments in technology, and how firms can most effectively apply these solutions to improve their business. We know what systems will work for your specific needs. Our wealth of experience and specialized knowledge means we can provide better, faster results for you.

Our Outside Plant Design Services include:

Outside Plant (Campus/MAN/WAN)

- Aerial Construction
- Route Determination
- Make-Ready Work

Underground Construction

- Duct Banks
- Trench and Trenchless
- Conduit Surveys
- Manhole Layouts

Structured Cabling System

Tower Engineering's technology specialists have many years of experience with the design of Structured Cabling Systems. Structured wiring consists of distribution and riser cabling for voice, data, and video systems. Typical methods for data transmission include fiber optic cable, twisted pair cable, and coaxial cable. A thorough design for structured wiring systems must also account for the space within the building necessary to deliver the cables to the outlets.

A well-designed backbone communications infrastructure will provide the appropriate telecommunications pathways and work spaces as well as the cables used by the building's systems. The technology engineer will plan for the cable service entrance facilities, technology/telecommunications rooms, installation of cabinets, shelving, cable management, horizontal and vertical physical cable distribution pathways, and all structured cabling. The professional design of a structured cabling system will allow for easy changes and provide for growth as the future may require.

It is also necessary for the designer to evaluate the current power and environmental needs of technology areas. Where required, Tower Engineering can also provide the design for upgraded HVAC, security and power distribution systems, including emergency generator and UPS systems.

All designs by Tower Engineering are completed under the guidance of widely- accepted EIA/TIA standards 568, 569, 606 and 607, as well as the BICSI (Building Industry Consulting Service International) Telecommunications Design Manual Standards. An especially challenging aspect of completing designs in existing facilities is the necessity to adhere to these standards while designing systems to be installed in buildings of which are not easily adaptable to standards which are generally intended for cabling of new buildings. Tower Engineering's technology designers have the knowledge and experience to meet this challenge - effectively and efficiently.

Tower Engineering's services focus on project management and design of facility requirements for Technology Infrastructure; IT and Network Systems; Communications Rooms; Labs; Data and Network Centers including PBX, Telecommunications, Voice and Data Systems; Cabling and IT Infrastructure; and Complete Technology Project Planning and Vendor Management. Our goal is to design an adaptable physical infrastructure maximizing the effective space utilization of all of your Technology areas within the facility to accommodate today's ever changing needs and demands for future expansion using sensible IT Infrastructure Design & Planning principles. **Tower Engineering's technology designers have provide Structured Cabling Design Services for:**

Educational

- Bethel Park School District, PA
- Birmingham Public Schools, MI
- Charleroi Area School District, PA
- Intermediate Unit One,PA
- Laurel School District, PA
- Moon Area School District, PA
- New Holstein School District, WI
- North Hills School District, PA
- Pine-Richland School District, PA
- Quaker Valley School District, PA
- South Lyon Community Schools, MI
- Trinity Area School District, PA

Educational Cont.

- Waterloo School District, WI
- Bellarmine College, KY
- Carnegie Mellon University, PA
- Case Western Reserve University, OH
- College of DuPage, IL
- Dickenson College, PA
- Elmhurst College, IL
- Gettysburg College, PA
- Lycoming College, PA
- North Center College, IL
- Thiel College, PA
- Washington State University, WA

Corporate Data Centers

- Dow Jones, NY
- Ford Motor Company, Detroit, MI,
- General Motors, Detroit, MI,
- Honda Plant, Columbus, OH,
- Philip Morris Headquarters, NY,
- Weirton Steel Mill, WV

Government Data Centers

- Indiana State Office Building
- Nellis Air Force Base, NV

Health & Medical

- Hamot Medical Center, Erie, PA, Data Center Henry
- Ford Hospital, Detroit, MI, Data Center

Airports

- Philadelphia International Airport, Philadelphia, PA
- Phoenix Sky Harbor International Airport, Phoenix, AR
- Pittsburgh International Airport, Pittsburgh, PA

Sustainable Building Design

U.S. Buildings use about 1/3 of all U.S. energy for heating, cooling, lighting an operation. In addition they produce more than 35% of all green-house gases.

A sustainable building, also referred to as a green building, is a structure that is designed, built, renovated, operated, or reused in an ecological and resource- efficient manner. Green buildings are designed to meet certain objectives such as protecting occupant health; improving employee productivity; using energy, water, and other resources more efficiently; and reducing the overall impact to the environment.

A sustainable building may cost more up front, but saves through lower operating costs over the life of the building. The sustainable building approach applies a project life cycle cost analysis for determining
the appropriate up-front expenditure. This method calculates costs over the useful life of the asset.

Some benefits of sustainable design, however, are not easily measured. Improved occupant health, comfort, productivity, reduced pollution and landfill waste are just a few of the hidden benefits of sustainable design.

Even with a tight budget,many green building measures can be incorporated with minimal or zero up front costs and they can yield enormous savings.

At Tower Engineering we believe it is our responsibility to offer architects and owners sustainable design alternatives in addition to conventional choices, and to help our clients make the most informed decisions.

Engineering Expertise

Our engineers carefully consider preservation of site features, indoor air quality, natural lighting, energy efficiency and strategies to provide the best quality systems within limited budgets. Focusing on whole systems, not isolated components, our engineers determine the most efficient mechanical and electrical equipment properly sized for building needs. We have been involved with the design of numerous buildings which have implemented Green Building/ Sustainable Design features. Features considered and/or utilized include:

EngineeringServices

- HVAC Energy Analysis
- Mechanical and Electrical Systems Monitoring
- Building Commissioning

Equipment

- Director-Fired Double-Effect Absorption Chiller/Heater
- Desiccant Dehumidification Units
- Heat Recovery Wheel
- Geothermal Heat Pumps
- Underfloor Air Distribution Systems
- Building Automation Systems

Green Building Design Strategies

- Install high-efficiency heating and cooling equipment. Well-designed systems including high-efficiency furnaces, boilers, and air conditioners; variablespeed pumping; and premium motors not only save the building owners money, but also produce less pollution during operation. Install equipment with minimal risk of combustion gas spillage, such as sealed combustion appliances.
- Install high-efficiency lighting systems with advanced lighting controls. Include motion sensors tied to dimmable lighting controls.
- Install water-efficient equipment. Water conserving toilets, shower heads,and faucet aerators not only reduce water use, but also reduce demand on septic systems or sewage treatment plants. Reducing hot water use also saves energy.
- Install mechanical ventilation equipment. Mechanical ventilation is usually required to ensure safe, healthy indoor air. Heat recovery ventilators should be considered in cold climates because of energy savings, but simpler, less expensive exhaust-only ventilation systems are also adequate and should bean analyzed.

LEED Rated Design

Working together with our clients,Tower Engineering takes great pride in implementing environmentally conscious solutions to building issues. To sustain our environment, we design building systems that use material, energy and water resources efficiently, minimize site impacts and address health issues relating to the indoor environment.

Over the last decade, various groups have worked to develop strategies to promote and facilitate the design of sustainable, high performance buildings. One such organization, The **U.S. Green Building Council**, has created a nationally recognized certification process for evaluating sustainable and high performance buildings, a program called **" Leadership in Energy and Environmental Design,"** commonly known by its acronym **"LEED "**. In addition to being a member of the U.S. Green Building Council (USGBC), Tower Engineering's staff includes LEED accredited professionals.

The LEED certification process rates the levels of sustainability achieved in a building: LEED Certified, LEED Silver,LEED Gold, and the highest rating, LEED platinum. Awards are based upon achieving "sustainability points" in the areas of Site,Water, Energy&Atmosphere, Materials and Resources, Indoor Environmental Quality, and Innovation&Design Process.

Our LEED Project Experience Includes:

Felician Sisters Motherhouse, Coraopolis, PA (LEED Gold)

- Super-high efficiency modular boilers to maintain 60 degrees F low-end water temperature.
- Carefully sized individual heat pumps to provide adequate compressor run-times to ensure summer dehumidification and cooling without short cycling.
- Specification of premium efficient motors for pumps and larger RTU fans.
- Specification of Ventilation Heat Pump Rooftop Units with factory-installed energy recovery sections.
- Utilization of carbon dioxide sensors to reduce outside air quantities in multi-use spaces when not fully occupied.
- Specification of fully automated temperature controls system to provide computerized monitoring and control of mechanical
- equipment for maximum energy savings and systems optimization.
- Engineered lighting levels to exceed ASHRAE 90.1-1999 using the most efficient lamp and fixture combinations.

Regional Learning Alliance (LEED Silver)

Tower Engineering provided mechanical and electrical consulting engineering services for the Regional Learning Alliance, an innovative educational and workforce development facility just north of Pittsburgh. This $18 million, "educational mall" is a highly-adaptive, full-service training facility, combining 12 institutes of higher learning under one roof.

In addition to high-tech classrooms, the facility houses specialty-manufacturing training centers, flexible meeting rooms to accommodate groups of up to 400, and a tiered seminar room with wireless, touch-panel audio-visual controls. The facility also contains a cafeteria, computer labs, wireless Internet and a workout center that offers wellness planning.

LEED Rated Design Continued

Pittsburgh Children's Museum (LEED Silver)
Tower Engineering recently provided mechanical and electrical engineering services for the 80,000 square foot renovation/expansion of the Children's Museum of Pittsburgh. This project included the construction of a facility to link a 1897 Post Office building with a 1939 Art Deco Planetarium.

It was the goal of the Museum, as well as the design team to make this facility the first LEED Silver children's museum in the country, along with the priority of preserving two important historic buildings.

Green features incorporated into the design of this project include:

- Occupancy light sensors
- Duel Flush Toilets
- "Fuzzy Logic" controlled low flow urinals
- Motion sensor faucets
- Heat recovery wheels
- Heat exchangers
- 3 Kwh photovoltaic system
- Carbon dioxide sensors
- Two week fresh air flush out prior to occupancy
- Humidity control
- DDCcontrols

Additional LEED Project Experience Includes:

- Three Rivers Rowing Association Boat Storage & Maintenance Building (LEED Certified)
- Carnegie Mellon University Henderson House (LEED Silver)
- Carnegie Mellon University Posner Conference Center Rare Books Room (LEED Certified)
- Berkeley County Board of Education New Spring Mills Primary School (LEED Silver)
- Canaan Valley Institute New Headquarters/Education Building (LEED Certified)
- Department of Energy Morgantown Record Storage (LEED Gold)

Projects Designed in Accordance with LEED Rating (Did not Pursue LEED Certification):

- Millcreek School District J.S. Wilson Middle
- Corry School District New Elementary School
- Holy Sepulcher Parish New Church
- National Guard Stryker Center
- North Hills McIntyre & Highcliff Elementary Schools
- Pine Richland New Upper Elementary School
- Pine Township Recreation Center
- Pittsburgh Children's Home
- Sisters of St. Joseph New Office Building
- Southwest Butler County YMCA (Cranberry)
- Upper St. Clair Community Center
- Watson Institute, Craig Academy

Douglas L. Cogley

Technology Specialist
Project Manager, Electrical Engineer

Mr. Cogley has more than 30 years experience, spanning all facets of the latest LAN, WAN infrastructure and Outside Plant design in engineering and management. He has provided hands-on, full lifecycle management of all size projects and rollouts, including site surveys, job cost estimates, SOW/RFP preparation, customer presentations, materials specifications and ordering, and installation supervision. He has designed electrical systems and their components for office buildings, health care facilities, schools, commercial, and light industrial facilities. Mr. Cogley has design experience in several areas including security, Access Control, Intrusion Detection, CCTV, Building Automation, LAN, WAN, WLAN, CATV, AV, and fire alarm systems.

Mr. Cogley possesses an in-depth knowledge of BICSI-TDMM, EIA/TIA, NEC, and Telco practices. Mr. Cogley is certified with several LAN network vendors.

Mr. Cogley is primarily responsible for preparation of electrical estimates, technical specifications, engineering drawings, field observation, and coordination with architectural and other engineering disciplines. He also maintains client contacts and manages projects.

EDUCATION

Associate Degree, 1976
Applied Science in Electronics
DeVry Institute of Technologies

AFFILIATIONS/ MEMBERSHIPS

Building Industry Consulting Services International (BICSI)
1983-Present

International Who's Who of Professionals, 1998

REPRESENTATIVE EXPERIENCE

Allegheny Energy Operations Center
New Command Center and Office

Data Centers

- Dow Jones, NY
- Ford Motor Company, MI
- General Motors, MI
- Honda Plant, OH
- Phillip Morris Corporate Headquarters, NY
- Weirton Steel Mill, WV
- Hamot Medical Center, PA
- Henry Ford Hospital, MI
- Indiana State Office Building, IN
- Nellis Air Force Base, NY

Indiana State Office Building, Indiana, Network – Data Center
Nellis Air Force Base, NV

Moon Area School District, Moon Township, Pennsylvania
Engineering Design for New High School

Quaker Valley School District, Sewickley, Pennsylvania
Engineering Design and Systems Commissioning for the renovation of two elementary schools, a middle school and a high school

Laurel School District, New Castle, Pennsylvania
Engineering Design for the renovation of an elementary school and high school

EDUCATION
BS, Mechanical Engineering
Penn State University
1997

REGISTRATION
Professional Engineer, PA
PE-062304, 2003

Certified in Plumbing
Engineering (CIPE), 1998

LEED Accredited Professional
2009

Michael S. Plummer, P.E., C.I.P.E., LEED AP

Associate, Senior Project Manager
Plumbing & Fire Protection Engineering Department Head

With twelve (12) years of experience as a mechanical designer/engineer, Mr. Plummer is primarily responsible for the design of plumbing and fire protection systems and their components for educational, governmental, and commercial buildings.

Mr. Plummer's plumbing/fire protection design responsibilities include performing calculations for hydraulically designed sprinkler systems; designing water supply and pumping systems including fire mains and sizing of fire pumps; design/testing of fire protection and alarm systems; and design of plumbing sewage, gas and water systems. In addition to plumbing/fire protection systems, Mr. Plummer is an experienced HVAC system designer, and performs load calculations, equipment selection and systems layout. His duties include preparation of project specifications, cost estimates, project management, and coordination with architectural and other engineering disciplines.

Mr. Plummer also performs construction administration duties including review of submittals, preparation of punch lists, and field problem solving, as well as supervising the engineering efforts of the Plumbing/Fire Protection Department.

REPRESENTATIVE EXPERIENCE

Fairmont, West Virginia Army National Guard
New Readiness Center

City of Fairmont, Fairmont, West Virginia
Public Safety Building

Pennsylvania Army National Guard, Connellsville, Pennsylvania
New Readiness Center

Stryker Brigade Combat Team, Cambridge Springs, Pennsylvania
Readiness Center & OMS

West Virginia High Technology Consortium, Fairmont, West Virginia
Base Building & Tenant Fitup for $13 Million Office Building Complex

VA Pittsburgh Medical Center, Pittsburgh, Pennsylvania
Radiology Department Offices

Allegheny Energy Operations Center
New Command Center and Office

EDUCATION

Master of Business Administration
Frostburg University
1997

BS, Electrical Engineering
University of Pittsburgh
1988

REGISTRATION

PE, Pennsylvania
PE-052645-E

PE, Virginia
PE-0402-026204

Stephen J. Kisak, P.E.,

Principal, Vice President
Mechanical Engineering Department Head

An electrical designer/engineer for twenty (20) years, including three years as a high voltage electrical designer, Mr. Kisak has provided engineering services for the design of educational facilities, office buildings, college and university facilities, health care, assisted living/nursing homes, and commercial facilities. His primary responsibility is for the preparation of electrical opinions of cost, technical specifications, engineering drawings, field observation, and coordination with architectural and other engineering disciplines.

Mr. Kisak's design responsibilities including lighting layout and fixture selection, including calculations and system coordination studies and calculations; computer rooms and associated support facilities; fire alarm and detection systems; emergency power, public address, audio-visual, security and closed circuit television systems. Additional responsibilities include client contact, field observation, and project management.

Mr. Kisak's recent experience includes engineering services for Allegheny General Hospital; Highfield Open MRI; and VA Pittsburgh Healthcare System.

REPRESENTATIVE EXPERIENCE

Fairmont, West Virginia Army National Guard
New Readiness Center

Pennsylvania Army National Guard, Connellsville, Pennsylvania
New Readiness Center

Stryker Brigade Combat Team, Cambridge Springs, Pennsylvania
Readiness Center & OMS

VA Pittsburgh Medical Center, Pittsburgh, Pennsylvania
Inpatient Pharmacy Renovation
IMRT and IMRT2 Renovations
New Parking Garage
Radiology Dept Offices
Parking Garage New Substation

Allegheny Energy Operations Center
New Command Center and Office

EDUCATION
BS, Mechanical Engineering
Penn State University
1982

REGISTRATION
PE, Pennsylvania
PE-040568-E

PE, West Virginia
PE-11973

PE, New York

NCEES Registration

LEED Accredited Professional
2009

AFFILIATION
American Society of Heating, Refrigeration & Air Conditioning Engineers (ASHRAE)
Pittsburgh Chapter
Past President

Thomas J. Gorski, P.E., LEED AP

Principal, President
Mechanical Engineering Department Head

Mr. Gorski has twenty-seven (27) years of experience as a mechanical engineer. His primary responsibilities are the design of HVAC systems and their components for schools, universities, commercial and light industrial office buildings, laboratory buildings, health care facilities, and military facilities. He has designed HVAC systems including constant and variable air volume, air handling and exhaust systems; chilled water and hot water systems and steam distribution systems; electric/electronic control, pneumatic control and DDC systems.

Mr. Gorski's design responsibilities include load calculations, equipment selection and system layout, project specifications, cost estimates, direction of the project drafting effort, coordination with architectural and other engineering disciplines, and construction administration. He also performs system analysis and energy studies, maintains client contact, and supervises the engineering effort of the Mechanical Engineering groups.

REPRESENTATIVE EXPERIENCE

Fairmont, West Virginia Army National Guard
New Readiness Center

Pennsylvania Army National Guard, Connellsville, Pennsylvania
New Readiness Center

U.S. Army Reserve Center, Jane Lew, West Virginia
Readiness Center and Organizational Maintenance Shop Building

Stryker Brigade Combat Team, Cambridge Springs, Pennsylvania
Readiness Center & OMS

Allegheny Energy Operations Center
New Command Center and Office

Municipality of Monroeville, Pennsylvania
New Municipal Center

Penn Township, Butler County, Pennsylvania
Penn Township Municipal Buildings Renovation/Addition

Ross Township, Pennsylvania
New Municipal Complex

Marshall Township, Pennsylvania
Municipal Building Renovation
Public Works Building Addition/R[illegible]vation

VA Pittsburgh HealthCare Services, Pittsburgh, Pennsylvania
New Parking Garage

Data Center Experience

Tower Engineering's recent experience with the design of mechanical and electrical systems for data centers includes:

- Design of new service and UPS/generator systems associated with a large data center expansion for MSA

- Engineering and design associated with approximately 10,000 sf data center space for a West Virginia client. Design included Tier 2 mechanical/electrical solution with specialized rack cooling and underfloor HVAC systems.

- Engineering and design of Verizon Wireless Call Center, including 110,000 sf office space and 5000 sf data center. A new 1 megawatt generator systems.

Past experience includes engineering services for systems evaluations, renovations and/or new construction of data centers for:

- Bayer
- Blue Cross
- Consolidated Communications
- Dollar Savings Bank
- Fairmont State University
- Fisher Scientific
- Fiserv Data Center
- Legent Corporation
- Massey Energy
- Orrick Herrington & Sutcliffe
- PNC Bank
- Pittsburgh Public Schools
- Saint Vincent College
- South Hills Data Comm

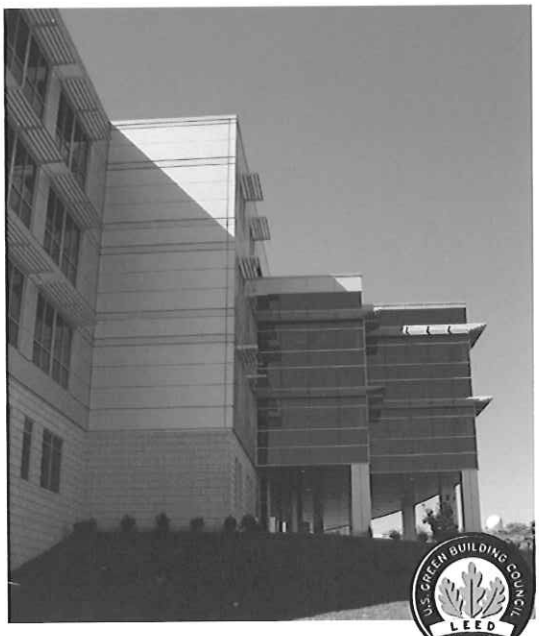
Allegheny Energy
New Transmission Operations Headquarters
Fairmont, WV

Year Completed:
2011

Square Footage
148,000

Total Construction Cost
$35 million

Tower Engineering provided mechanical and electrical engineering services for the new Allegheny Energy Transmission Operations Headquarters in Fairmont, West Virginia. Completed in 2011, the facility serves as the center for Allegheny Energy's multi state transmission functions, providing round-the-clock management of the electric grid. Totaling 148,000 s.f., the building contains the **control center, data center, and approximately 85,000 s.f. of Class A office space.** Total construction costs are estimated at $35 million.



The state-of-the-art facility is specifically designed to meet the needs of Allegheny Energy's transmission business, which includes two new projects, the Trans-Allegheny Interstate Line (TrAIL) and the Potomac-Appalachian Transmission Highline (PATH), as well as 4,600miles of existing transmission line.

The environmentally friendly building will be certified under the Leadership in Energy and Environmental Design (LEED) Green-Building Rating System.

TOWER ENGINEERING

115 Evergreen Heights Drive, Suite 400, Pittsburgh, Pennsylvania 15229 • 412-931-8888 • Fax 412 939-2525 • www.estower.com

Government Owned Facilities

Tower Engineering has provided mechanical and electrical consulting engineering services for numerous Government-owned facilities. With seven decades of experience, our firm knows the importance of meeting the client's needs without exceeding the project's budget. Thoroughly familiar with current government and military standards, our firm has provided engineering services for the following government-owned facilities:

Federal Government

- William S. Moorhead Federal Office Building, PA
- Department of Labor Job Corps Center, PA
- Butler VA Hospital, PA
- Department of Labor Job CorpsMedical Center, PA.
- Army Corps of Engineers Lab, PA
- Army Corps of Engineers Neville Island, PA
- National Guard Readiness Center Connellsville, PA
- National Guard Stryker Center Cambridge Springs, PA
- National Guard Fairmont Readiness Center, WV
- Army Reserve Center Jane Lew, WV
- Army Reserve Center Clarksburg, WV
- IRS Liberty Center Tenant Fitup, PA
- INS Application Support Center, PA
- VA Medical Center Pittsburgh, PA (multiple)
- Department of Energy Records Storage, WV
- Department of Agriculture Lab, PA
- National Geospace Agency St. Louis, MO

State Government

- State Police Building, PA
- Capitol Building Welcome Center, PA
- Tygart Lake State Park Lodge Addition,WV
- Twin Falls Resort State Park Addition,WV
- DER Regional Offices, PA
- DER Lab Renovation, PA
- Ebensburg Center HVAC Renovation, PA
- Buckingman Protection Custody Facility, PA
- HRS Computer Room, PA
- Capitol Science & Cultural Center,WV
- Scotland School for Veterans Children, PA

United States Postal Service

- McKnight Road, Pittsburgh, PA
- Clairton, PA
- Monongahela, PA
- Northside, Pittsburgh, PA
- Grant Street, Pittsburgh, PA
- Rochester, PA
- Bulk Mail Handling Facility, Pittsburgh, PA
- Open Ended Services Agreement, PA and WV

Government Owned Facilities Continued

Local Government

- Allegheny County Housing Authority, PA
- Beaver County Courthouse &Annex, PA
- Beaver County Ice Arena Renovations, PA
- Bellevue Borough Building Study, PA
- Bethel Park Community Center, PA
- Cambridge Springs Library, PA
- Cambridge Water Treatment Plant, OH
- City County Building Pittsburgh, PA
- City Hall Pittsburgh PA
- City of Pittsburgh Swimming Pools, PA
- City of Pittsburgh EOC 911, PA
- City of Pittsburgh Warehouse, PA
- Public Auditorium Authority Civic Arena, PA
- Cranberry Township Municipal Complex, PA
- Dormont Pool Complex Feasibility Study, PA
- Eighth Avenue Streetscape Phase IV, PA
- Erie Senior Citizen's Center, PA
- Erie Veteran's Stadium Renovation, PA
- Fairmont Parking Garage, WV
- Fairmont Public Safety Building,WV
- Field Avenue Recreation Park, PA
- Franklin Park Municipal Building, PA
- Franklin Township Sanitation Authority, PA
- Freeport Borough Building, PA
- Greater Pittsburgh International Airport, PA
- Green Tree Municipal Building, PA
- Greensburg County Building, PA
- Hampton Township Master Planning, PA
- Housing Authority of the City of Pittsburgh, PA
- Kennedy Township Park, PA
- Louis J. Tullio Convention Center Erie, PA
- McCandless Municipal Building, PA
- Monroeville Municipal Building, PA
- Moon Township Water Authority, PA
- Mt. Lebanon Parking Garage, PA
- New Stanton Water Treatment, PA
- Penn Hills Recreation Center, PA
- Penn Township Civic Center, PA
- Penn Township Municipal Complex, PA
- Pittsburgh Parking Authority, PA
- Ross Township Municipal Complex, PA
- South Park Municipal Buildings, PA
- South Strabane Township Municipal Building, PA
- Stowe Senior Citizens' Center, PA
- Three Rivers Stadium Renovations, PA
- Vanport Municipal Authority, PA
- Western Ave. Streetscape Improvements, PA
- Westmoreland County Housing Authority, PA