



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

Solicitation

NUMBER
DEFK14024

PAGE
1

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

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE
 Alpha Associates, Incorporated
 209 Prairie Avenue
 Morgantown, WV 26501

SHIP TO

DIV ENGINEERING & FACILITIES
 ARMORY BOARD SECTION
 1707 COONSKIN DRIVE
 CHARLESTON, WV
 25311-1099 304-341-6368

DATE PRINTED
04/08/2014

BID OPENING DATE: 05/08/2014

BID OPENING TIME 1:30PM

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 ARCHITECTURAL AND ENGINEERING SERVICES FOR INTERIOR RENOVATIONS AT THE CLARKSBURG ARMED FORCES RESERVE CENTER AND THE WESTON ARMED FORCES RESERVE CENTER, PER THE ATTACHED DOCUMENTATION. ATTACHMENTS INCLUDE: DEFK14024 EXPRESSION OF INTEREST INSTRUCTIONS TO VENDORS SUBMITTING BIDS GENERAL TERMS AND CONDITIONS CERTIFICATION AND SIGNATURE PAGE PURCHASING AFFIDAVIT VENDORS SHOULD PROVIDE ONE (1) ORIGINAL PROPOSAL AND TWO (2) CONVENIENCE HARD COPIES AND ONE (1) SUBMISSION ON CD-ROM.						
05/08/14 09:58:07AM West Virginia Purchasing Division						

SIGNATURE 	TELEPHONE 304-296-8216	DATE 05-07-14
TITLE President and COO	FEIN 550-516286	ADDRESS CHANGES TO BE NOTED ABOVE

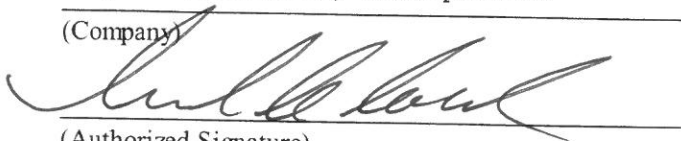
WHEN RESPONDING TO SOLICITATION, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

CERTIFICATION AND SIGNATURE PAGE

By signing below, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

Alpha Associates, Incorporated

(Company)



(Authorized Signature)

Richard Colebank, PE, PS - President and COO

(Representative Name, Title)

304-296-8216

(Phone Number)

304-296-8216

(Fax Number)

May 7, 2014

(Date)

RFQ No. DEFK14024

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

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

DEFINITIONS:

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

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

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

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

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Alpha Associates, Incorporated

Authorized Signature: [Signature] Date: 5/7/2014
President and COO

State of West Virginia

County of Monongalia, to-wit:

Taken, subscribed, and sworn to before me this 7th day of May, 2014.

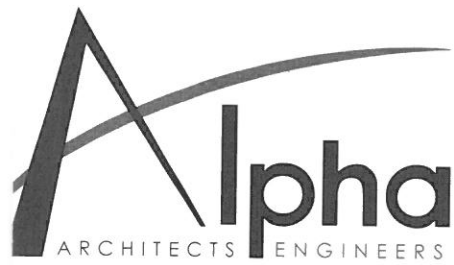
My Commission expires Aug 4, 2019, 20 .

AFFIX SEAL HERE

NOTARY PUBLIC [Signature]

Purchasing Affidavit (Revised 07/01/2012)





May 8, 2014

Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

ATTN: Ms. Tara Lyle

**RE: DEFK14024; Clarksburg and Weston Armed Forces Reserve Centers
Interior Renovations**

Dear Ms. Lyle,

Alpha Associates, Incorporated is pleased to submit our qualifications to provide professional architectural and engineering services for the Interior renovations at both the Clarksburg and Weston Armed Forces Reserve Centers. Alpha has succeeded in providing design services for various military facilities across the state of West Virginia, and we are eager to assist the WV Army National Guard with the renovations needed at these Reserve Centers.

Alpha has provided architectural and engineering design services throughout West Virginia for over 45 years. Our experience ranges from small renovations to \$190 Million dollar new construction projects. Our design experience with military facilities includes two projects for the U.S. Army Corp of Engineers that encompassed the design of a training building and an organizational maintenance shop for Rainelle, WV and Beckley, WV locations, renovations to the Parkersburg Armory and most recently, our staff completed designs for the possible transition of the Elkins Army National Guard Center into a major events center for the Randolph County Development Authority.

In addition to Alpha's experience in completing projects of this nature, Alpha's Morgantown office offers a key location to both the Clarksburg and Weston Armories. Alpha has completed many projects in Harrison and Lewis counties, and has current projects in both locations. Our dedicated staff will be able to be on site within an hour's time if any questions or issues arise throughout the project construction.

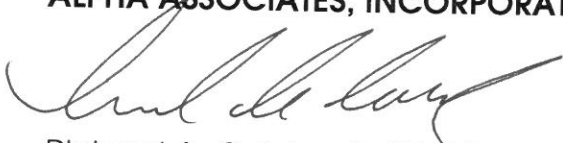
Leading Alpha's design team will be Matt Breakey, AIA, LEED-AP, Principal and Senior Architect. Matt has over 22 years of experience in the designs of a variety of major architectural projects, including several projects for major governmental agencies. In addition to Mr. Breakey, your design team will

include additional architects, structural engineers, civil engineers, surveyors, and support staff. Alpha's staff will also be working with engineers from H.F. Lenz, located in Pittsburgh, PA for any and all MEP related design services that will arise throughout the completion of the project. Resumes for all members of your dedicated design team are included herein.

Alpha Associates, Incorporated is committed to providing the West Virginia Army National Guard with a dedicated team of professionals who will make the renovations to the Clarksburg and Weston Army Reserve Centers a priority. Our staff has the experience, expertise and capacity to handle the design of both projects, all the while keeping timeline and budget in the forefront. We look forward to sharing additional information with you in a personal interview. Please contact me with any questions that you may have.

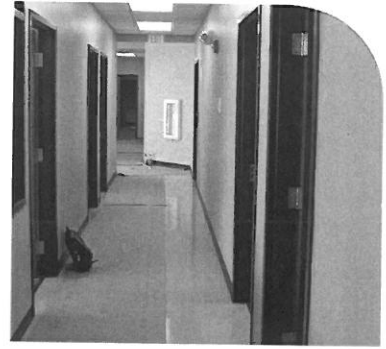
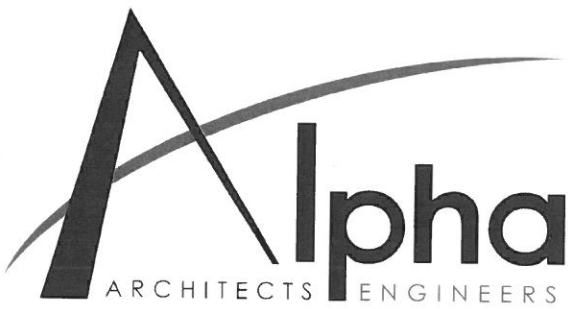
Sincerely,

ALPHA ASSOCIATES, INCORPORATED



Richard A. Colebank, PE, PS
President and COO

Rick.colebank@thinkalphafirst.com



FIRM PROFILE

Firm Profile

FIRM NAME

Alpha Associates, Incorporated

OFFICE LOCATIONS

209 Prairie Avenue
Morgantown, West Virginia 26501

535 West King Street
Martinsburg, West Virginia 25401

2506 Kanawha Boulevard East
Charleston, WV 25311

INCORPORATED

1969; Morgantown, WV

FIRM PRINCIPALS

Richard A. Colebank, PE, PS; President and COO
Richard W. Klein, PE, PS; Chairman and CEO
Charles B. Luttrell, PE; Principal
Matthew S. Breakey, AIA, LEED-AP; Principal
Charles B. Branch, PE; Principal

NUMBER OF EMPLOYEES

25 Employees

SERVICES

Architectural Design
Civil Engineering
Structural Engineering
Surveying
Interior Design
Landscape Architecture
Construction Administration

Alpha Associates, Incorporated was established in 1969 and since that time has completed hundreds of projects throughout Morgantown and the state of West Virginia. Alpha's Corporate Office is located in Morgantown with our Eastern Regional Office located in Martinsburg.



H.F. LENZ
COMPANY

Firm Profile

The H.F. Lenz Company has been providing a full range of engineering services for building systems, infrastructure, and industry for over 68 years. Utilizing state-of-the-art software, our multi-discipline engineers collaborate to design award-winning projects for numerous Fortune 500 companies and high-profile clients throughout the United States. We currently have 165 employees, including 46 Professional Engineers licensed in a total of 50 states and DC and office locations in Johnstown and Pittsburgh, Pennsylvania and Conneaut, Ohio.



Firm Organization

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

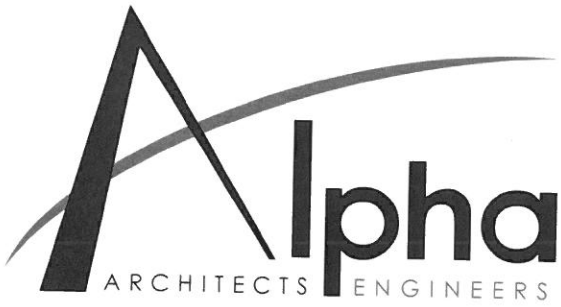


Our Philosophy

We believe in the team approach to the design process. H.F. Lenz Company's people are pro-active team players that thoroughly understand the importance of effective partnering and collaboration among all members of the project team. We support a dynamic, collaborative environment where trust and teamwork prevail and a shared understanding of project goals and expectations are developed. Our most successful projects are those in which the Owner, Construction Manager, Contractor, Architect, Engineer, and other Project Consultants recognize each other's assets. This collaborative environment draws upon the collective intelligence of the entire project team, while supporting the Owner's values and corporate culture.

Experienced Project Team

The team that will serve on this contract is comprised of dedicated, multi-discipline individuals, many of whom have been working together for almost a decade. Together they have taken on the challenges of numerous high profile, complex projects and have derived workable, cost-effective solutions that have met the objectives of the client. H.F. Lenz Company has provided engineering services for \$100 million of construction for the Baltimore Corps of Engineers over the past 20 years including 7 indefinite delivery-type contracts and 11 new reserve centers, several of which were design/build projects. Our experience also includes the renovation of several reserve centers including Morelock and Copely Reserve Centers. We have also held six (6) previous IDTC's for Letterkenny under which we have completed numerous projects requiring a variety of engineering expertise.



LOCATION

All work to be performed for the renovations of both the Weston and Clarksburg Armed Forces Reserve Centers will be performed out of Alpha's Corporate Office, located in Morgantown. Additionally, Alpha's team will include H.F. Lenz for all mechanical, electrical, and plumbing services that may rise throughout the completion of the projects.

Addresses for the offices of Alpha Associates and H.F. Lenz are listed below:

Alpha Associates, Inc.

209 Prairie Avenue
Morgantown, WV 26501

H.F. Lenz

1501 Brinton Road
Pittsburgh, PA 15521



PROJECT APPROACH

Alpha Associates and our teaming partner, H.F. Lenz Company, have the capability to complete all aspects of the interior renovations at both the Weston and Clarksburg Armed Forces Reserve Centers. Our team is comprised of architects, civil and structural engineers, mechanical and electrical engineers, plumbing engineers, surveyors, interior designers, construction representatives and additional support staff. Together, Alpha and Lenz will work with the WV Army National Guard to design facilities that will meet your needs while staying within your budget.

Kick-Off Meeting

Upon notice of award, we will schedule a Kick-Off meeting for all parties involved. This meeting will help us to get a better understanding of your expectations. It will also allow us to develop a Scope of Work, project schedule and budget. At this time Alpha will also review any available materials/drawings that may be available for both facilities.

Preliminary Design Phase

During the preliminary design phase, Alpha's Professional Design Staff will develop a design based upon your ideas, taking into consideration both budget and timeline. This first stage will develop the intent of the concept into a workable plan. The floor plans will be a flexible working document at this point and are able to be altered to best fit your needs. An updated budget estimate and project schedule will be established in order to get a total understanding of your desired completion date.

Construction Documents Phase

Upon approval of the preliminary design and working directly with the WVANG, Alpha will prepare detailed construction plans and technical specifications. The purpose is to provide an accurate, complete set of plans and specifications that allow for accurate bids. Our thorough and well-coordinated plans serve to reduce the amount of change orders during construction. A final estimate of construction costs will be prepared at the completion of this phase of work.

Bid/Negotiations Phase

Alpha will assist you during the bidding process to provide prospective bidders with an "even playing field" to bid. This ensures you will receive the highest

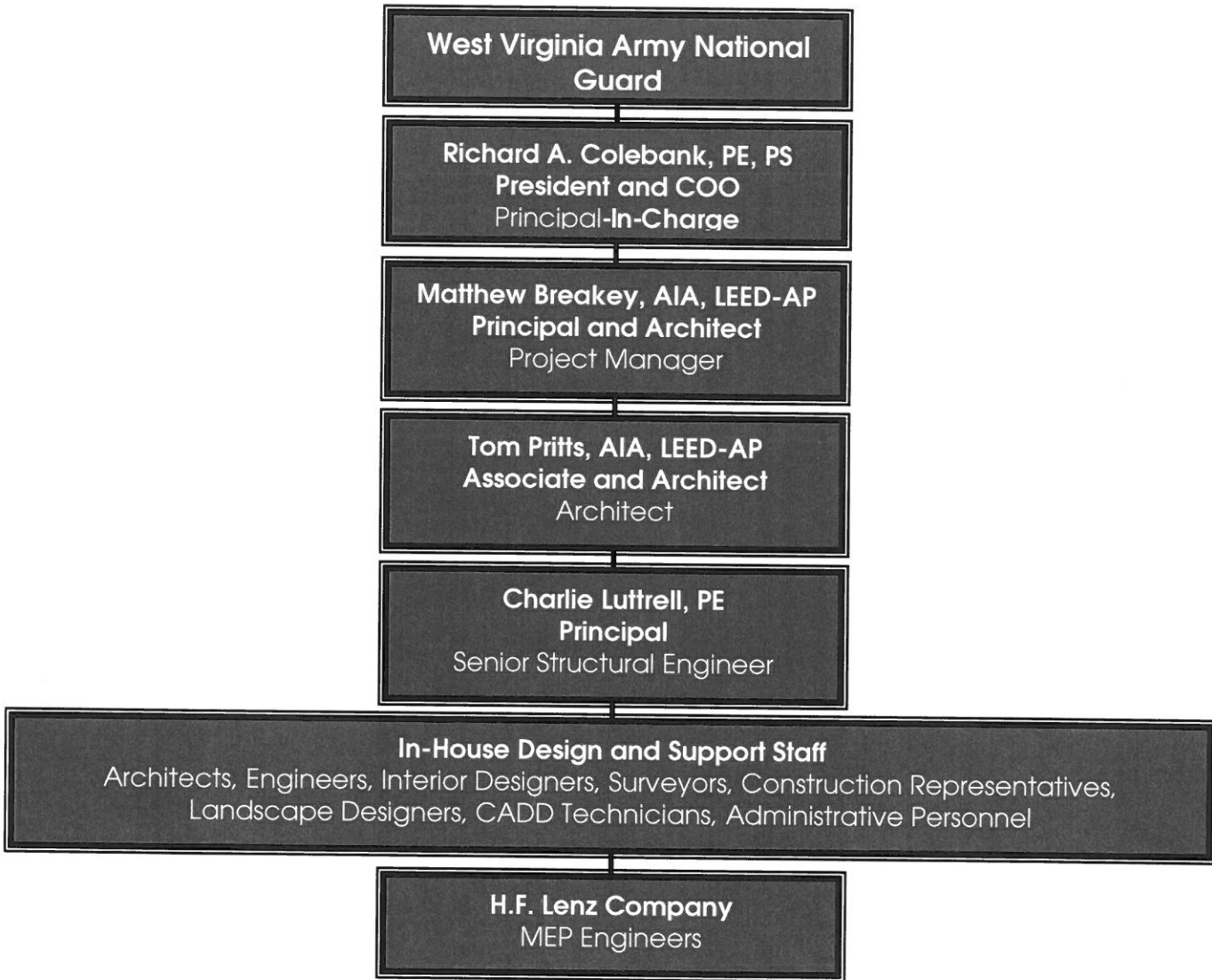


quality bids. Our services include answering contractors' questions, conducting a pre-bid conference and issuing clarifications. After receipt of bids, we will evaluate the bids and will assist the Owners with selection of a qualified contractor based on the bids received. We will also prepare the Construction Contracts for the Owner and Contractor to sign.

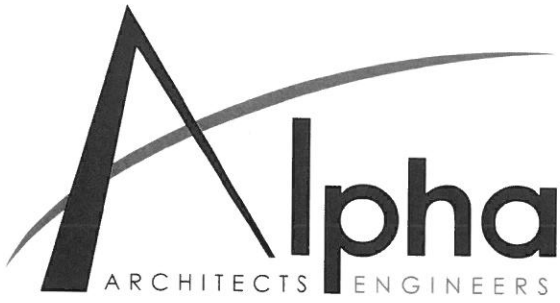
Construction Phase Services

Alpha will provide a complete range of construction phase services including observation of the work, review and approval of Contractor pay applications, conducting progress meetings and providing technical assistance throughout the construction phase. During construction we will review the Contractors various project material submittals, develop color selections for your consideration and approval and perform a final "Punch List" inspection to assure satisfactory completion of the work. This phase of the project is crucial to the ultimate success of your project. Our experienced team can successfully interact with the contractor and provide the direction needed for a successful project.

PROJECT ORGANIZATION



As shown above, Richard Colebank, PE, PS will serve as the Principal-In-Charge for the new renovations at both the Clarksburg and Weston Armed Forces Reserve Centers. Mr. Colebank has been the Principal-In-Charge for all WVANG projects completed at Alpha, as well as numerous other projects throughout his more than 26 years with the firm including. He will direct the efforts of the design team throughout the entire process



to ensure the project not only meets your needs but also is completed on schedule and within budget.

Matthew Breakey, AIA, LEED-AP and Charlie Luttrell, PE will work together to design a facility that will meet your needs for years to come. These individuals are experienced in all aspects of the design services required to complete the renovations. Tom Pritts, AIA, LEED-AP will assist Matt in the design of the project. Resumes for these individuals are included herein. Additional architects, engineers, CADD technicians, construction representatives, surveyors, cost estimators and interior designers are available to work on the project if needed.

In an effort to meet all design requirements for the project, we have added H.F. Lenz Company to our design team. Lenz will provide mechanical, electrical and plumbing services as needed for the renovations of both Reserve Centers. Alpha and Lenz have worked together on numerous projects over the past 19 years including a current project for the State of West Virginia. Together, we can offer all of the design services that are needed to successfully complete the renovations.



ALPHA RESUMES

Richard A. Colebank, PE, PS | President and COO

SUMMARY

Mr. Colebank is President and Chief Operating Officer of Alpha. He has been with Alpha Associates, Incorporated since 1985. He began his career with Alpha as a staff engineer and progressed through the ranks from Project Manager to his current position. Mr. Colebank has worked with diverse clients such as WVU, City of Morgantown, WVDOH, WVU Foundation, and the Morgantown Municipal Airport, as well as numerous other public and private clients. Since 1988, Mr. Colebank has been the Principal-In-Charge of many of the Civil Engineering projects developed at Alpha. In his current capacity, Mr. Colebank provides financial and administrative guidance for the day to day operations of the company while continuing to manage Civil Engineering Projects.

PROFILE

Broad-based responsibilities in the following areas:

- Project Management
- Business Operations and Financial Management
- Quality Assurance/Quality Control
- Civil Engineering Project Management and Design
- New Business Development
- Expert Testimony and Investigation

PROFESSIONAL HIGHLIGHTS

Project Manager:

- WVU Research Park; Morgantown, WV
- Federal Bureau of Prisons Hazelton Medium Security Prison
- WV Medal of Honor Recipients Plaza; Hazelton, WV
- North Fork Hughes River Recreation Facilities; Ritchie County, WV
- WVDOH I-77 Welcome Center; Williamstown, WV
- Ices Ferry Bridge; Morgantown, WV
- Monongalia General Hospital Expansion; Morgantown, WV
- Monongalia General Hospital Access Road; Morgantown, WV
- Morgantown Municipal Airport Access Road; Morgantown, WV

Indefinite Delivery/Indefinite Quantity Contracts:

- Morgantown Municipal Airport Open End Contract
- West Virginia Division of Highways Open End Contract
- National Energy Technology Laboratories Open End Contract
- West Virginia University Open End Contract
- United States Postal Service Open End Contract





ALPHA RESUMES

Richard A. Colebank, PE, PS | President and COO

EMPLOYMENT HISTORY

1985 – Current	Alpha Associates, Incorporated
1983-1985	Charles Townes and Associates, P.C.
1983	US Army Corps of Engineers

EDUCATION

West Virginia University
 Masters of Business Administration; 1999
 Bachelor - Civil Engineering; 1982

QUALIFICATIONS

- **License:** Professional Engineer: West Virginia, Maryland, Pennsylvania, Virginia
- Professional Surveyor: West Virginia
- Certified Private Pilot

AFFILIATIONS

- Former NSPE/PEPP Governor of WV
- ACEC/WV; Former President and National Director
- University High School Foundation; Charter Member; President
- Morgantown Area Chamber of Commerce; Past Chairman
- Monongalia County MPO Technical Advisory Committee; Member
- Morgantown Area Economic Partnership; Member
- American Red Cross, River Valley Chapter B.O.D.
- WVU College of Civil and Environmental Engineering Visiting Committee

think **Alpha** first.com

Contact

Richard A. Colebank

304.296.8216

800.640.8216

rick.colebank@thinkalphafirst.com



ALPHA RESUMES

Matthew Breakey, AIA, LEED-AP | Principal, Architect

SUMMARY

Mr. Breakey began working at Alpha in 1998, and became a principal of the firm in 2004. Mr. Breakey is a LEED Accredited Professional and currently oversees the efforts of Alpha's Architectural design studio that is focused on creating a broad variety of well-designed fiscally and environmentally responsible projects throughout West Virginia and the surrounding regions.

PROFILE

Broad-based responsibilities in the following areas:

- Architectural Design
- Construction Administration
- Client Development
- New Business Development

PROFESSIONAL HIGHLIGHTS

Higher Educational Facilities

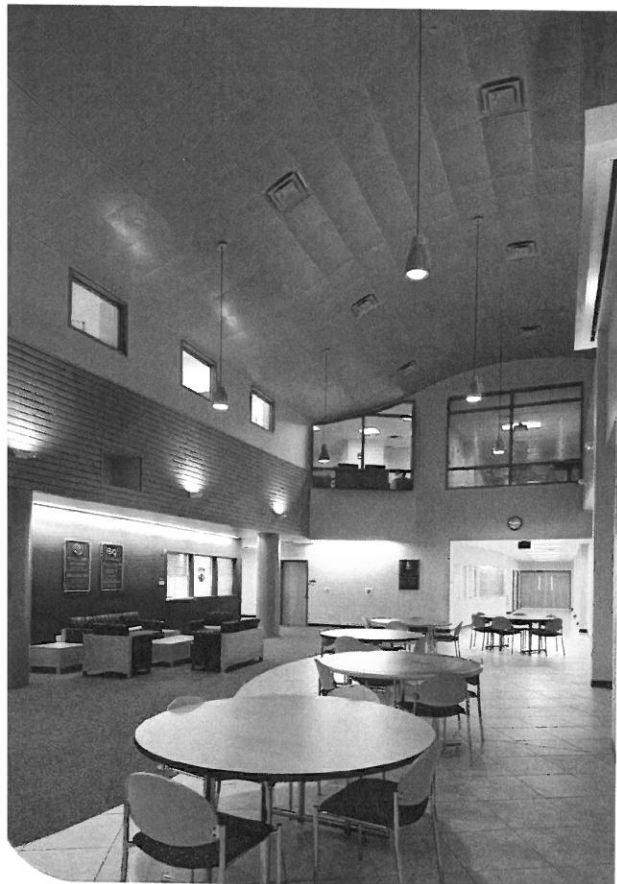
- WVU CPASS and Student Health Building; Morgantown, WV
- Potomac State College, ADA Connector Link; Keyser, WV
- Engineering Science Building, East Wing Addition, WVU
- Potomac State College, Library Façade Replacement, Keyser, WV
- Engineering Sciences Building, 10th Floor Renovation, WVU
- Engineering Sciences Building Nan/Microtechnology Lab; WVU
- Alfred F. Galli Laboratory, WVU

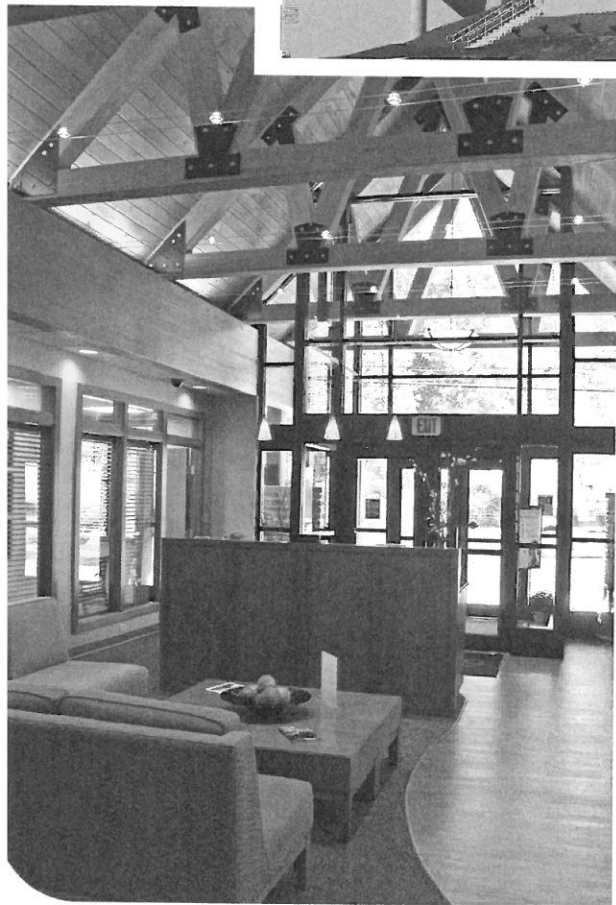
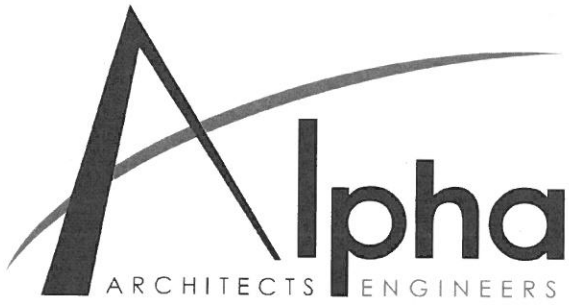
K-12 Educational Facilities:

- Hillsboro Elementary Renovation and Addition; Hillsboro, WV
- Washington High School; Charles Town, WV
- Mountaineer Middle School Renovation; Morgantown, WV
- Pocahontas County High School Science Wing; Marlinton, WV
- Slanesville Elementary School Addition; Hampshire County, WV

Miscellaneous:

- Ronald McDonald Family Room, Ruby Memorial Hospital, Morgantown, WV
- Fairmont Federal Credit Union; Bridgeport, WV
- Clear Mountain Bank, Reedsville Branch; Reedsville, WV
- BC Bank Renovation/Addition; Philippi, WV
- Clear Mountain Bank, Oakland Branch; Oakland, MD





ALPHA RESUMES

Matthew Breakey, AIA, LEED-AP | Principal, Architect

EMPLOYMENT HISTORY

- 1998 – Current Alpha Associates, Incorporated
- 1994-1998 West Virginia University Physical Plant Engineering and Construction
- 1992-1994 West Virginia University Facilities Planning Management

EDUCATION

Pennsylvania State University
 Bachelor of Architecture; 1992
 Bachelor of Science; 1991

QUALIFICATIONS

- **License:** Registered Architect; West Virginia, Maryland, Kentucky
- NCARB Certified
- Leadership In Energy and Environmental Design Accredited Professional

AFFILIATIONS

- American Institute of Architects
- West Virginia Society of Architects
- Council of Educational Facility Planners International
- U.S. Green Building Council
- Chestnut Ridge Park Board; Past President
- Main Street Morgantown

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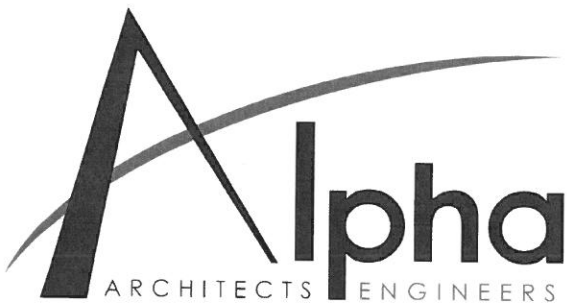
Contact

Matthew S. Breakey

304.296.8216

800.640.8216

matt.breakey@thinkalphafirst.com



ALPHA RESUMES

Charles B. Luttrell, PE | Principal, Structural Engineer

SUMMARY

Mr. Luttrell has worked with Alpha Associates, Inc. since 1996. He is the chief structural engineer on all projects at Alpha. Before coming to Alpha, Mr. Luttrell's graduate work resulted in several contributions to the cold-formed steel deck industry. His new method of analysis for non-uniform loads on composite concrete and cold formed steel decks has been made a permanent part of the Steel Deck Institute's design manual. Mr. Luttrell also worked on projects that involved pre-stressed timber bridge research with the WVU Constructed Facilities Center. Since coming to Alpha, Mr. Luttrell has had significant involvement in the effort to begin utilizing modern composite materials in practical bridge applications.

PROFILE

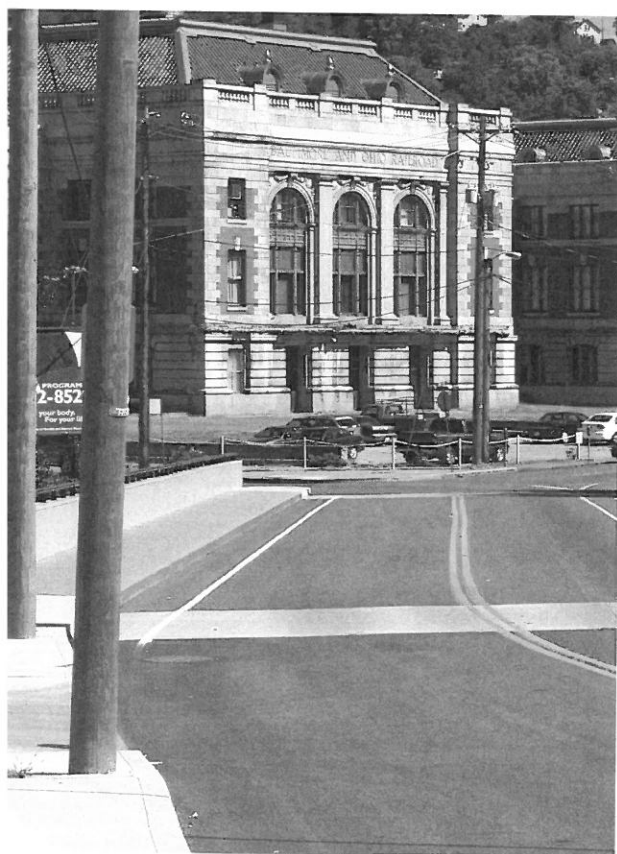
Broad-based responsibilities in the following areas:

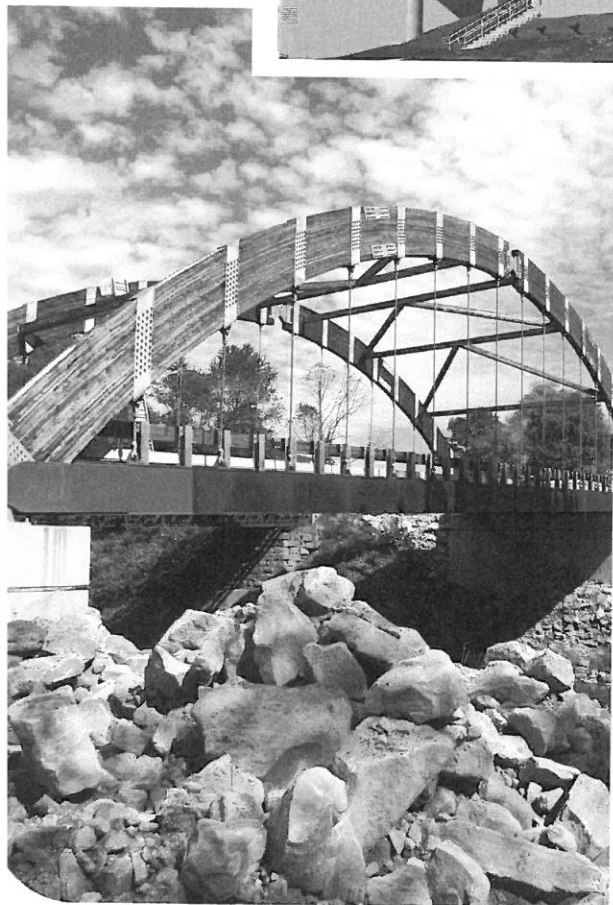
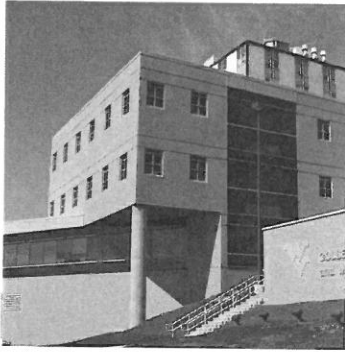
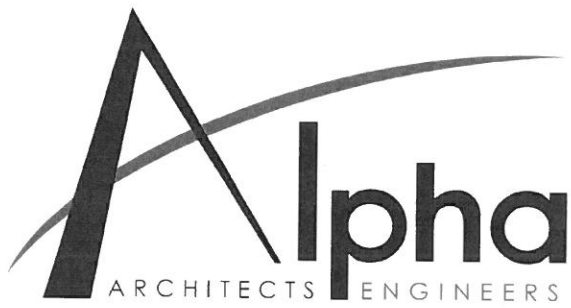
- Bridge Structural Design and Analysis
- Innovative Bridge Materials Applications
- Building Structural Design and Analysis
- Historical Restoration and Evaluations

PROFESSIONAL HIGHLIGHTS

Structural Engineer:

- Alumni Center Structural Framing and Foundation; WVU
- Engineering Science Building, East Wing Addition, WVU
- Hazel Ruby McQuain Amphitheater Roof; Morgantown, WV
- West Buckeye Bridge; Core, WV
- Washington High School; Charles Town, WV
- WVU Coliseum Structural Inspection; Morgantown, WV
- WVU Coliseum Scoreboard Hoist Project; Morgantown, WV
- Alderson Broaddus College, Rex Pyles Arena Deck; Philippi, WV
- Mountaineer Middle School Renovation; Morgantown, WV
- Salem International Building Inspections; Salem, WV
- Monongalia County Sheriff's Building; Morgantown, WV
- South High Street Bridge, Morgantown, WV
- Ices Ferry Bridge, Morgantown, WV





ALPHA RESUMES

Charles B. Luttrell, PE | Principal, Structural Engineer

EMPLOYMENT HISTORY

1996 – Current	Alpha Associates, Incorporated
1995-1996	Larry D. Luttrell, PE, Ph D
1991-1994	West Virginia University
1990-1991	WVU Constructed Facilities Center

EDUCATION

West Virginia University
 Masters - Structural Engineering; 1995
 Bachelor - Civil Engineering; 1993

QUALIFICATIONS

- **License:** Professional Engineer: West Virginia, Pennsylvania

AFFILIATIONS

- WV Society of Professional Engineers
- National Society of Professional Engineers
- Chi Epsilon; Member
- American Concrete Institute; Member

Research Experience

- Cold Formed Steel Deck Research
 - ✓ Fastener Failures
 - ✓ Edge conditions/failures
 - ✓ Buttoned overlap shear failures
- Composite Cold Formed Steel and Concrete Deck Research
 - ✓ Line load behavior/failures
 - ✓ Concentrated load behavior/failures
 - ✓ Web crippling
 - ✓ Punch failures

think **Alpha** first.com

Contact

Charles B. Luttrell

304.296.8216

800.640.8216

charlie.luttrell@thinkalphafirst.com



ALPHA RESUMES

Charles Branch, PE | Principal, Civil Engineer

SUMMARY

As Chief Engineer for site development and planning projects, Mr. Branch is a vital part of the design process at Alpha. His involvement spans from strictly civil engineering projects, to the design of large scale educational projects and medical facilities. Mr. Branch acts as peer review for young engineers in the firm on issues ranging from storm water management to site design. Mr. Branch is also involved in commercial and residential development design, roadway and bridge design and utilities layout.

PROFILE

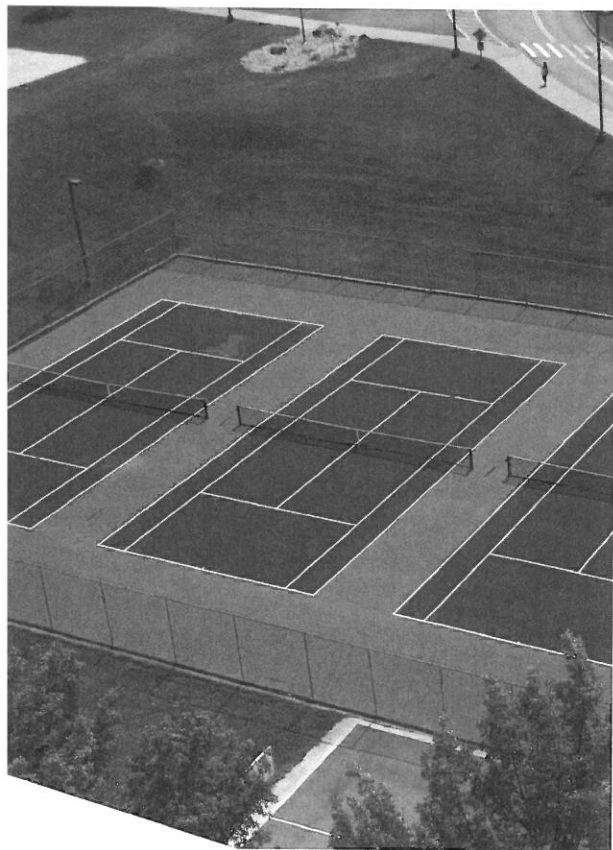
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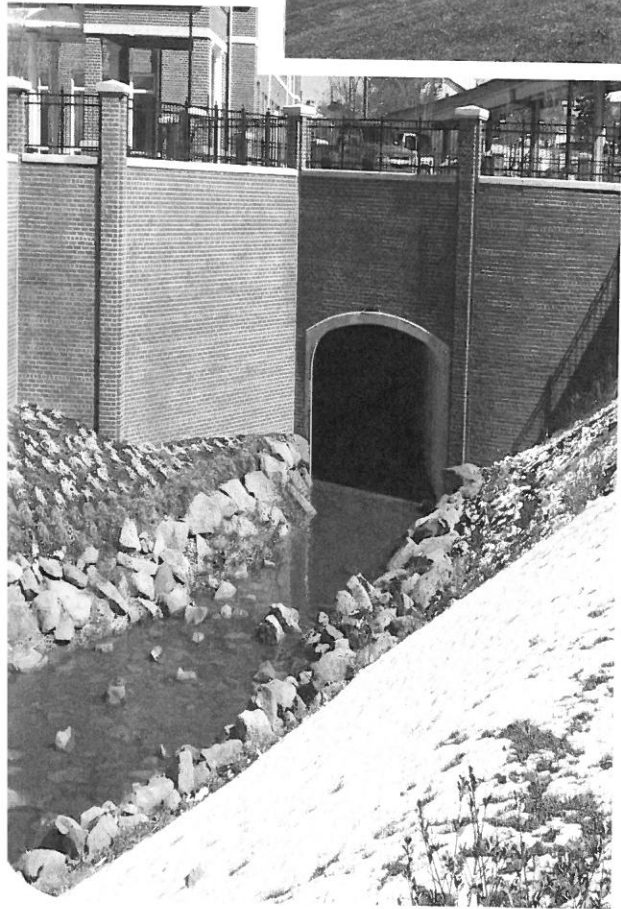
- Highway Design
- Municipal Engineering
- Wastewater Collection
- Storm Sewer System Design
- Storm Water Management
- Site Engineering
- Project Management

PROFESSIONAL HIGHLIGHTS

Civil Engineer/Project Manager:

- WVU Parking Lot 81 Renovations; Morgantown, WV
- WVU Doll's Run Burn Room; Morgantown, WV
- WVU Alumni Center Parking Lot; Morgantown, WV
- WVU Alumni Center Storm Water Management; Morgantown, WV
- WVU Evansdale Redevelopment; Morgantown, WV
- WVU Health Sciences Center Eastern Division; Martinsburg, WV
- Blackshere Bridge; Mannington, WV
- WVDOH I-77 Welcome Center; Williamstown, WV
- WV Medal of Honor Recipients Plaza; Hazelton, WV
- Lewis County High School Bridge; Weston, WV
- Wyoming County Route 10 Relocation; Wyoming County, WV
- Fairmont Federal Credit Union; Bridgeport, WV





ALPHA RESUMES

Charles Branch, PE | Principal, Civil Engineer

EMPLOYMENT HISTORY

1992 – Current Alpha Associates, Incorporated
1988-1992 Reimer, Muegge, & Associates, Inc.

EDUCATION

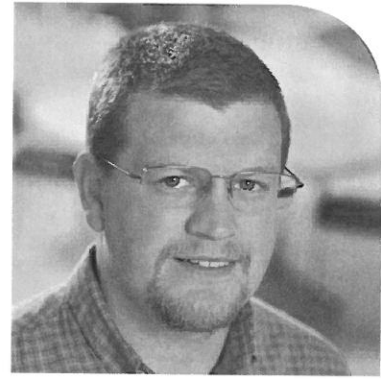
West Virginia University
Bachelor - Civil Engineering; 2000
Fairmont State College
Bachelor Architectural Engineering Technology; 1988

QUALIFICATIONS

- **License:** Professional Engineer: West Virginia

AFFILIATIONS

- WV Society of Professional Engineers
- National Society of Professional Engineers



ALPHA RESUMES

Thomas Pritts, AIA, LEED-AP | Associate, Architect

SUMMARY

Mr. Pritts is a licensed Architect who joined the Alpha Associates, Incorporated staff in the Morgantown office in 2004. His involvement in projects in West Virginia's Eastern Panhandle facilitated his relocation to Cumberland, MD in 2008 to better serve clients in that area. In 2008 he received his LEED Accredited Professional Certification from the USGBC and Construction Document Technologist designation from the Construction Specification Institute. Mr. Pritts has become a valuable asset to Alpha Associates with broad experience in K-12 and higher educational design, commercial design and programmatic development.

PROFILE

Broad-based responsibilities in the following areas:

- Architectural Design
- Programmatic Development
- Green Building Design

PROFESSIONAL HIGHLIGHTS

Higher Educational Facilities

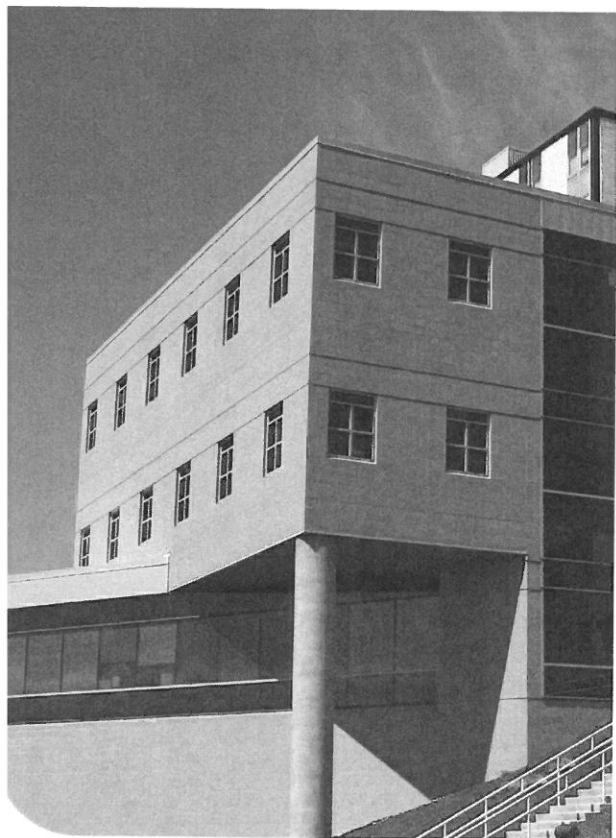
- WVU CPASS and Student Health Building; Morgantown, WV
- Glenville State Skybox; Glenville, WV
- Potomac State College, ADA Connector Link; Keyser, WV
- Engineering Science Building, East Wing Addition, WVU
- Potomac State College, Library Façade Replacement, Keyser, WV
- Potomac State College, McKee Arts Center Plaza; Keyser, WV

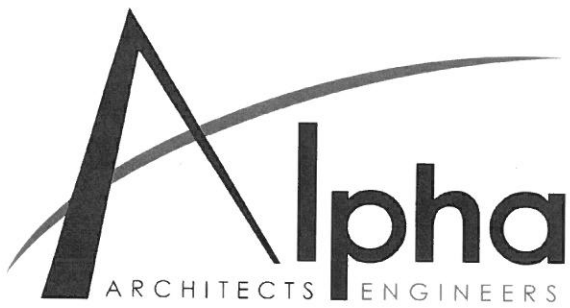
K-12 Educational Facilities:

- Huff Consolidated School; Hanover, WV
- Aurora Elementary School Addition; Preston County, WV
- Riverview High School Football Fieldhouse; McDowell County, WV
- Washington High School; Charles Town, WV
- Monongalia County Schools – School Access Safety; Morgantown, WV
- Pineville Elementary School; Wyoming County, WV

Miscellaneous:

- Harry Green Nissan; Clarksburg, WV
- Martinsburg Wastewater Treatment Plant; Martinsburg, WV
- Bavarian Inn Pool; Shepherdstown, WV
- Fairmont Federal Credit Union; Bridgeport, WV
- Clear Mountain Bank, Reedsville Branch; Reedsville, WV
- Clear Mountain Bank, Oakland Branch; Oakland, MD
- Jefferson County Emergency Operations Building; Ranson, WV
- Eastern Panhandle Transit Authority Renovation; Martinsburg, WV
- Yellow Brick Bank; Shepherdstown, WV





ALPHA RESUMES

Thomas Pritts, AIA, LEED-AP | Associate, Architect

EMPLOYMENT HISTORY

2004 – Current Alpha Associates, Incorporated
2003-2004 Marshall Craft Associates

EDUCATION

Virginia Tech
Bachelor of Architecture; 2004

QUALIFICATIONS

- **License:** Registered Architect: West Virginia, Maryland
- NCARB Certified
- Leadership in Energy and Environmental Design Accredited Professional
- Construction Document Technologist
- Certified Construction Specifier

AFFILIATIONS

- American Institute of Architects
- West Virginia Society of Architects
- Autodesk User Group International
- U.S. Green Building Council
- Construction Specification Institute

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Contact

Thomas Pritts

304.296.8216

800.640.8216

tom.pritts@thinkalphafirst.com



ALPHA EXPERIENCE

Parkersburg Armory | 2009

Architectural Case Study

Parkersburg Armory Renovation and Addition

Parkersburg, WV

Alpha continues their relationship with the West Virginia Army National Guard with the renovation of a space originally designated as a rifle range at the Parkersburg Armory.

New offices, conference room, and break room provide new work space for officers. A secondary entrance was included in the design to serve the department that will occupy this space.

A fire alarm upgrade for the entire building was also included in the project scope as well as an alternate for an access control system and mass notification system.



At a Glance

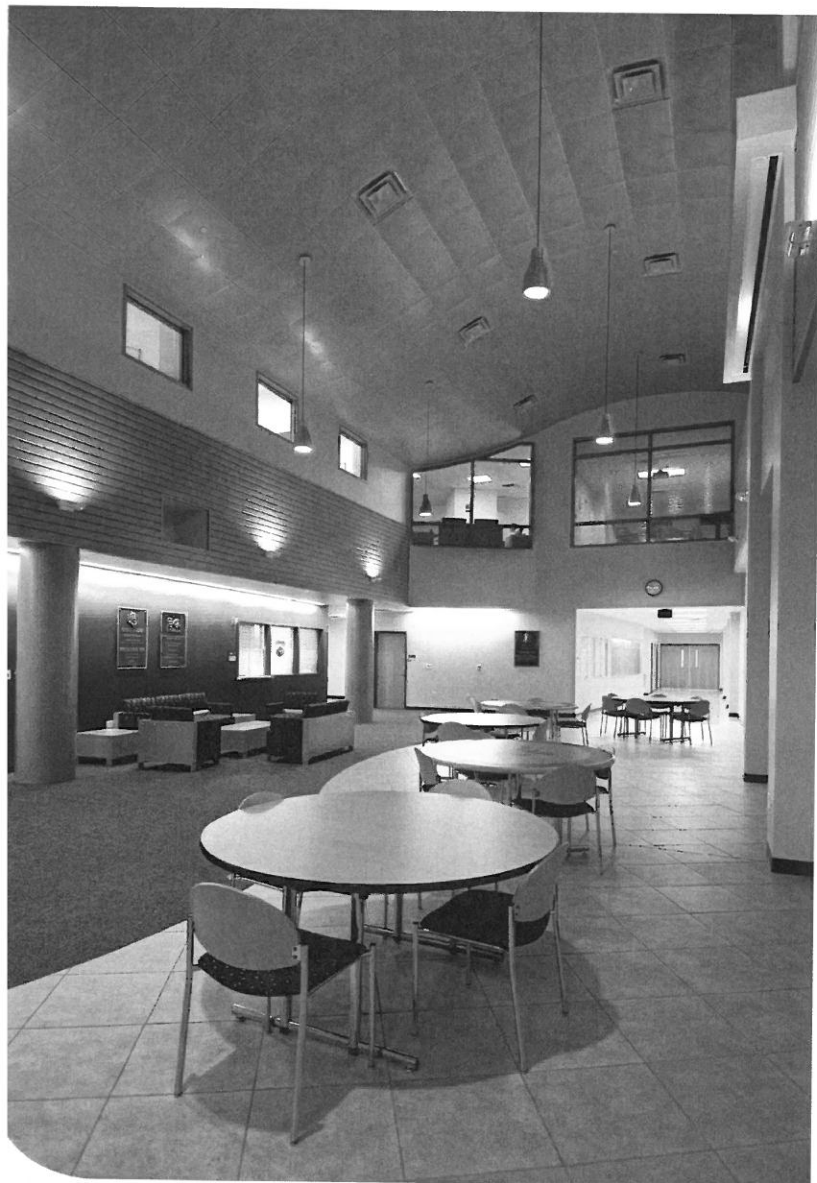
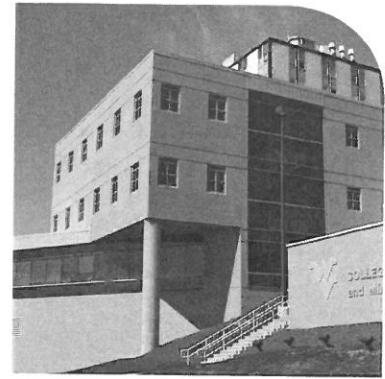
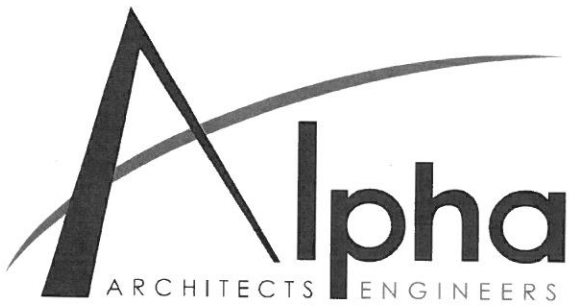
CLIENT: WV Army National Guard

LOCATION: Parkersburg, WV

COMPLETION DATE: 2009

SIZE: 2600 sq. ft.

CONSTRUCTION COST: \$400,000



ALPHA EXPERIENCE

ESB East Wing Addition | Reno/Add 2008

Educational Case Study

WVU ESB - East Wing Addition
Morgantown, WV

The first phase of this project was a feasibility study that evaluated the building to determine the nature and scope of the addition.

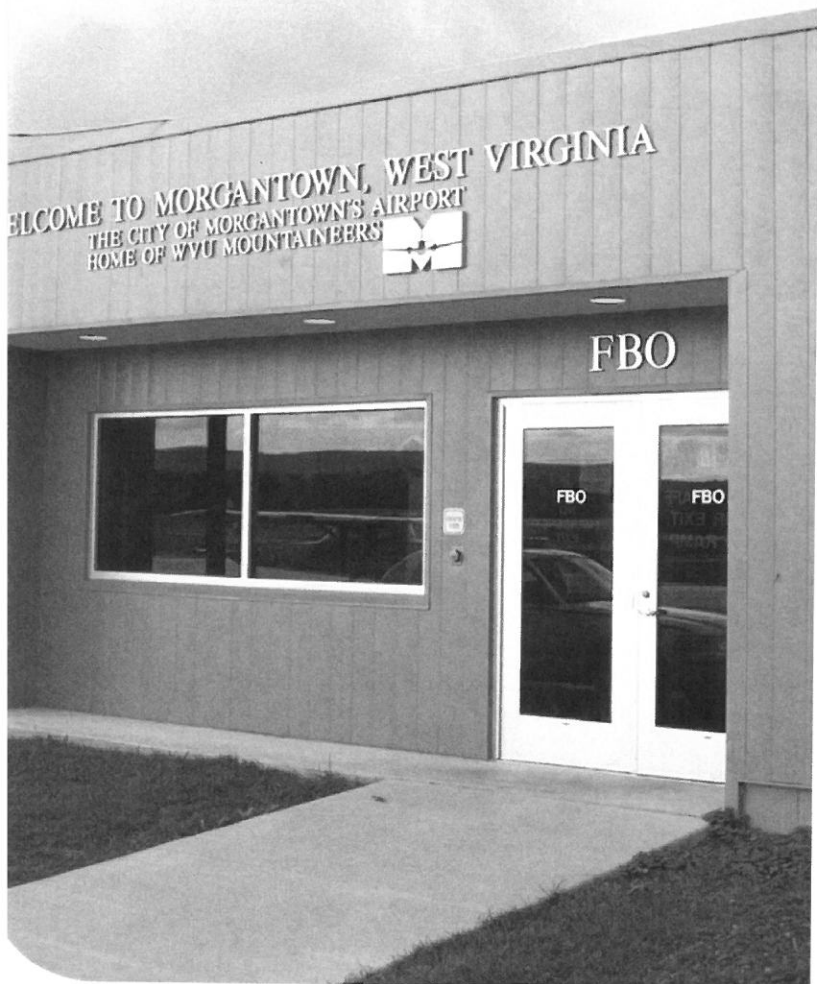
The West Virginia University Engineering Science Building East Wing Addition/Renovation project was conceived to create a new primary entrance to the existing 228,000 SF building. It consists of a 4-story addition as well as the conversion of an abandoned 3 1/2 story boiler room into usable program space. This 3 1/2 story boiler space was subdivided into 3 floors supporting chemical-research labs and a tiered lecture hall.

Project Contact:
Kevin Kilinsky
Po Box 6572
Morgantown, WV 26506
304-293-4841

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At a Glance

CLIENT: West Virginia University
LOCATION: Morgantown, WV
COMPLETION DATE: 2008
SIZE: 32,600 add, 6,500 reno.
CONSTRUCTION COST: \$11 Million
FEE: \$858,838.00



ALPHA EXPERIENCE

Terminal Renovations | 2011

Architectural Case Study

Morgantown Municipal Airport -
Terminal Renovation

Morgantown, WV

Alpha Associates provided services for multi-year, multi-phase contracts for improvements to the runways and terminal building.

Terminal renovations provided security upgrades and improvements to the TSA facilities for passenger check-in; improvements to the toilet facilities to facilitate compliance with ADA requirements, improvements and renovations to enhance general aviation services and improvements to the building envelope, mechanical, electrical and fire-life safety systems.

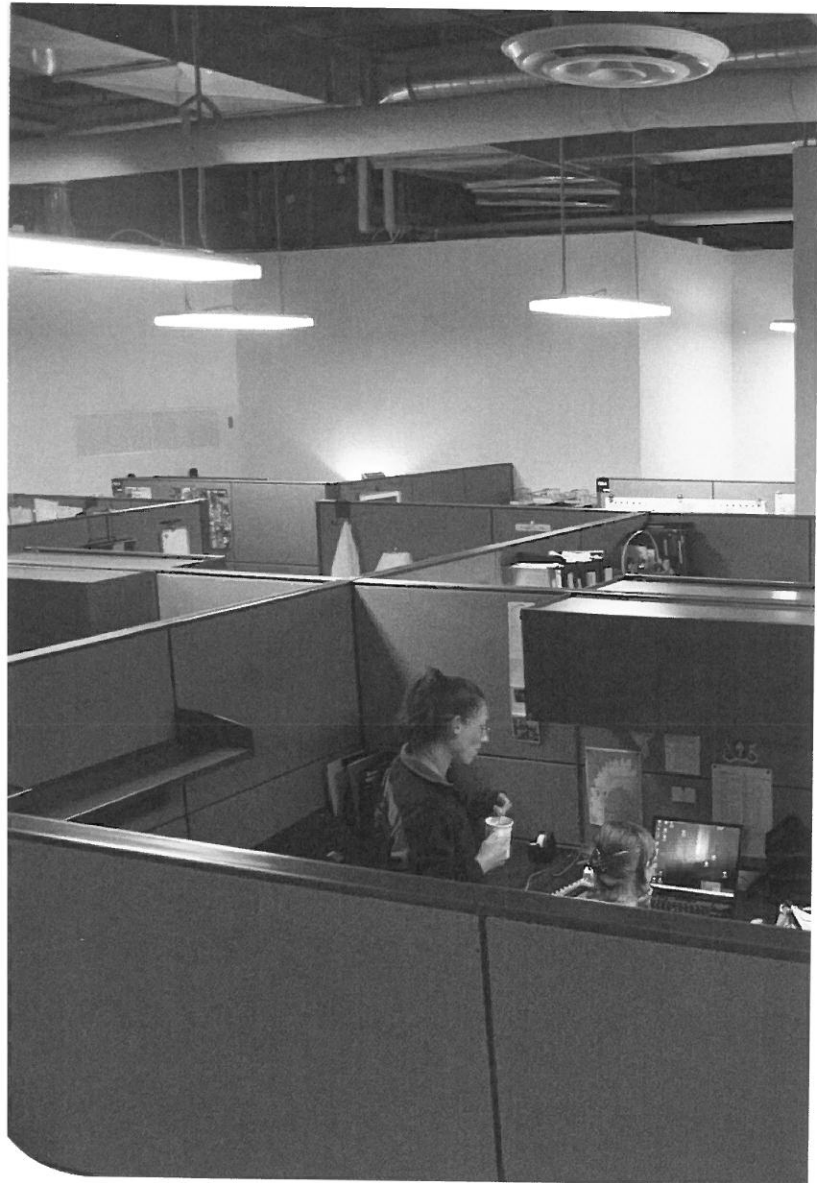
The renovation successfully provided better access through the building, an improved building envelope from a R1 value to R14, and upgraded the mechanical systems in a phased project that allowed the airport to continue operation on a daily basis during the construction periods.

Project Contact:
Bob Hammel
100 Hart Field Road
Morgantown, WV 26505
304-291-7461

At a Glance

CLIENT: City of Morgantown
LOCATION: Morgantown, WV
COMPLETION DATE: 2011
SIZE: 20,000 square feet
CONSTRUCTION COST: Multiple Phases and Contracts

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ALPHA EXPERIENCE

CRRB 7th Floor Renovation | 2005

Architectural Case Study

Chestnut Ridge Research Building 7th Floor Renovation

Morgantown, WV

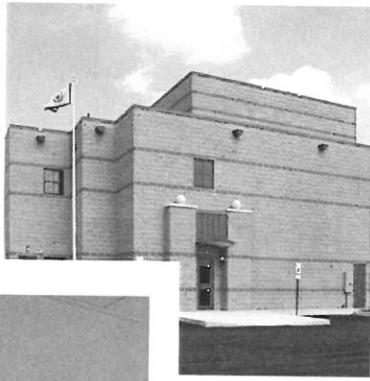
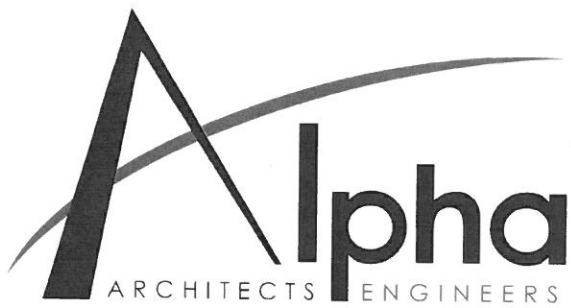
This project involved the build-out of office spaces on the seventh floor of the Chestnut Ridge Research Building. Alpha's design staff transformed an unoccupied "shell" space into an open office area along with private offices and conference rooms. The open office space took advantage of the nearly 18' floor to floor height and kept the ceiling open to expose the structural and mechanical duct work.

Project Contact:
Robert Merow
979 Rawley Lane
Morgantown, WV 26506
304-293-2875

At a Glance

CLIENT: West Virginia University
LOCATION: Morgantown, WV
COMPLETION DATE: 2005
SIZE: 5,700 sq. ft.
CONSTRUCTION COST: \$407,000





ALPHA EXPERIENCE

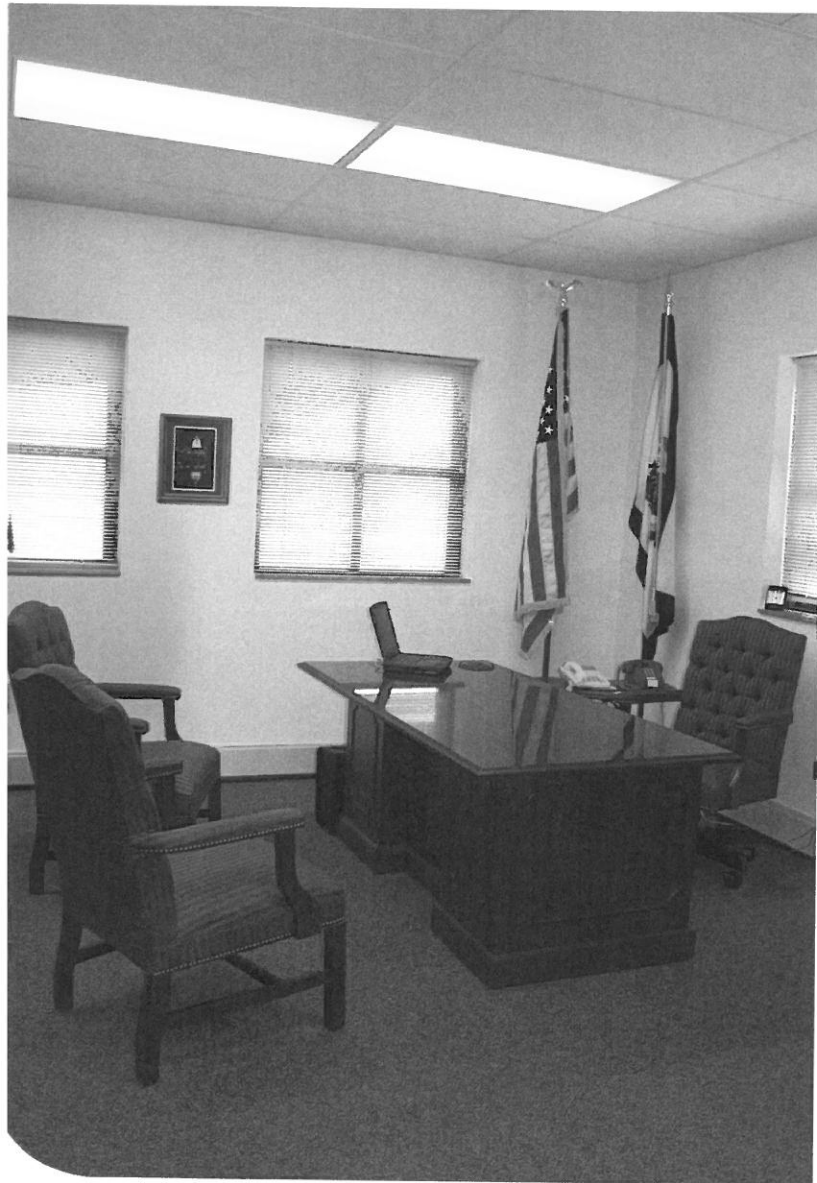
ARFF Building | 2003

Architectural Case Study

**Morgantown Municipal Airport
Air Rescue and Fire Fighting Building
Morgantown, WV**

Alpha Associates, Incorporated provided architectural design, civil and structural engineering and surveying services this latest building at the Morgantown Municipal Airport. The building serves as an Air Rescue and Fire Fighting Building, housing two fire trucks and equipment.

Additional space for Airport Management offices and a training center are also included in the building.

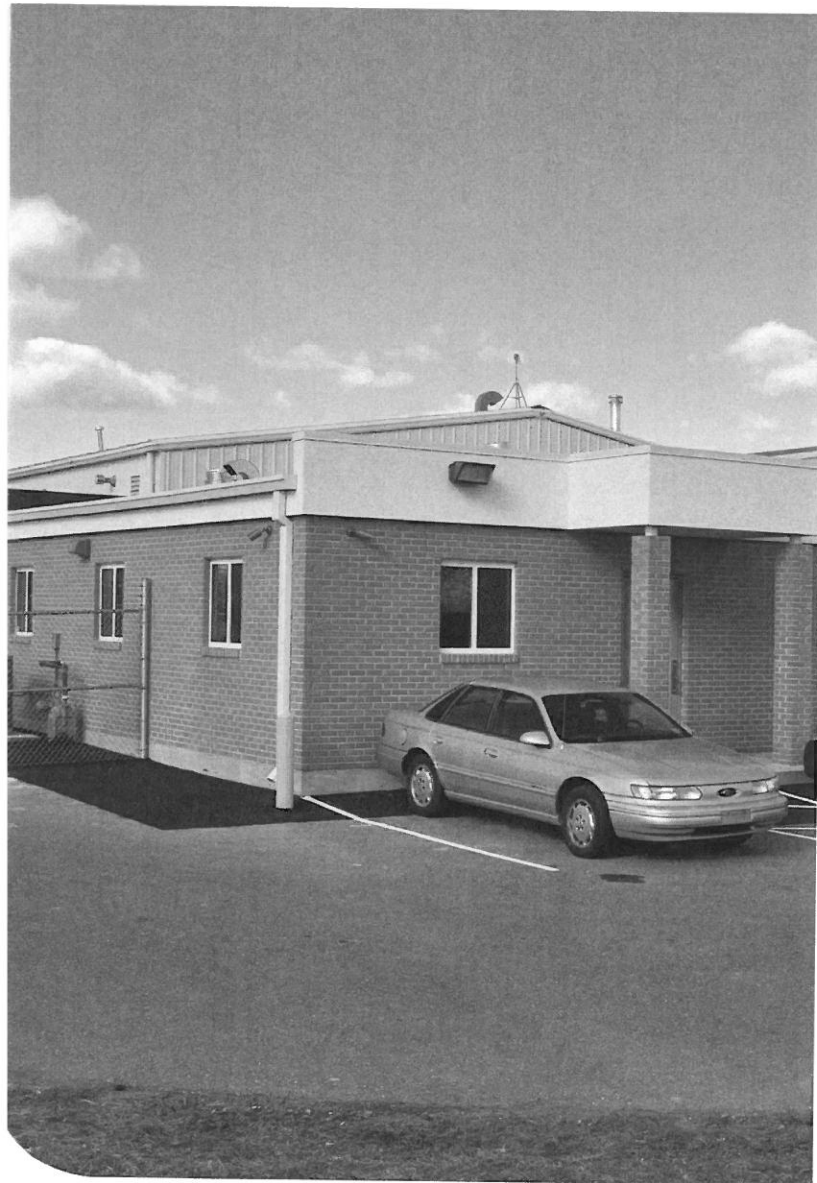
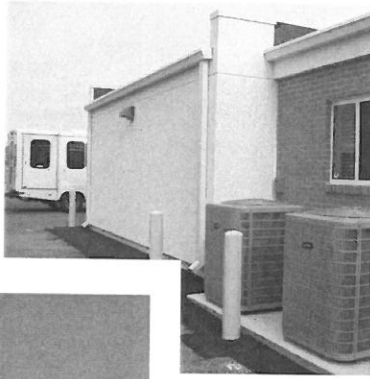
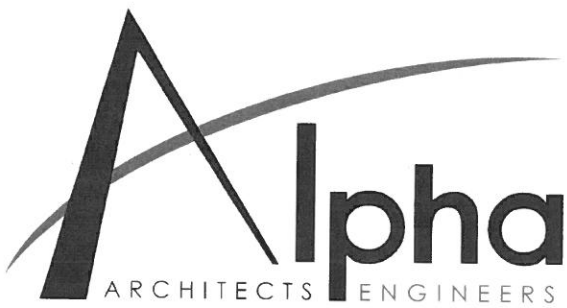


Project Contact:
Jackie Marhefka
100 Hart Field Road
Morgantown, WV 26505
304-291-7461

At a Glance

CLIENT: City of Morgantown
LOCATION: Morgantown, WV
COMPLETION DATE: 2003
SIZE: 7,000 SF
CONSTRUCTION COST: \$1 Million





ALPHA EXPERIENCE

Vehicle Maintenance Facility | 2009

Architectural Case Study

**EPTA Vehicle Maintenance Facility
Alterations and Additions**

Martinsburg, WV

Alpha provided architectural and engineering services for the Eastern Panhandle Transit Authority Vehicle Maintenance Facility in Martinsburg, WV.

The Scope of Work included a 1550 square foot addition and a 2400 square foot renovation of the existing facility. Due to funding, the time constraints on this project were very tight.

The work included:

- Selective Demolition
- Three New Offices
- New Workroom and Storage Room
- New Toilets and Training Room
- Carpet Removal and Replacement

Project Contact:

Belinda Rollins

446 Novak Drive

Martinsburg, WV 25405

304-263-0876

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At a Glance

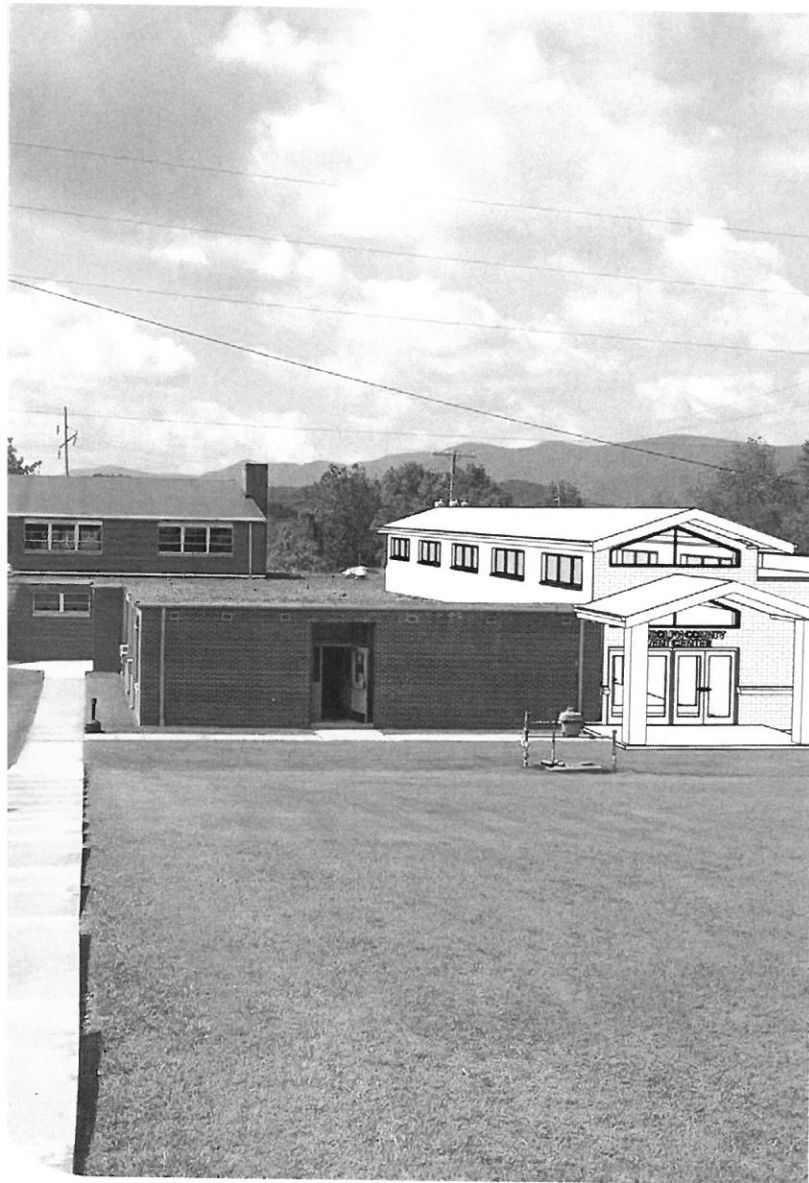
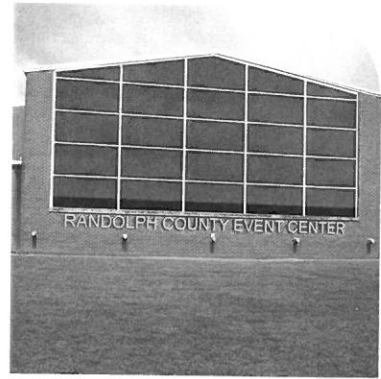
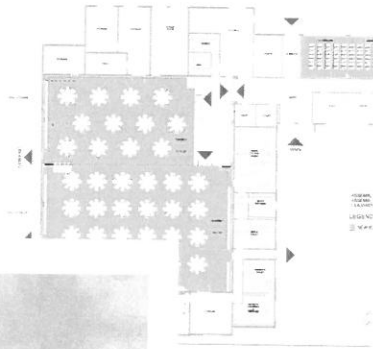
CLIENT: WV Dept of Public Transit

LOCATION: Martinsburg, WV

COMPLETION DATE: 2009

SIZE: 3,950 square feet

CONSTRUCTION COST: Private Client



ALPHA EXPERIENCE

Randolph Co. Conference Center | 2012

Architectural Case Study

Randolph Co. Conference Center Feasibility Study

Elkins, WV

Prior to making a capital investment, the Client contacted Alpha Associates, Inc. to perform a feasibility study assessing the existing condition of the Elkins Army National Guard. The study examined potential marketing venues and the capital outlay involved in that effort.

The physical structure was evaluated for code compliance, mechanical and electrical capacity and condition, structural integrity, and architectural modifications required to transform the Armory into a Class "A" conference and meeting center for Randolph County. Several architectural concepts were introduced with a cost estimate attached to each. The study assisted the major stakeholders in making an informed decision to pursue the capital investments.

Project Contact:

Robbie Morris, Executive Director

10 Eleventh Street

Elkins, WV 26241

(304) 637-0803



At a Glance

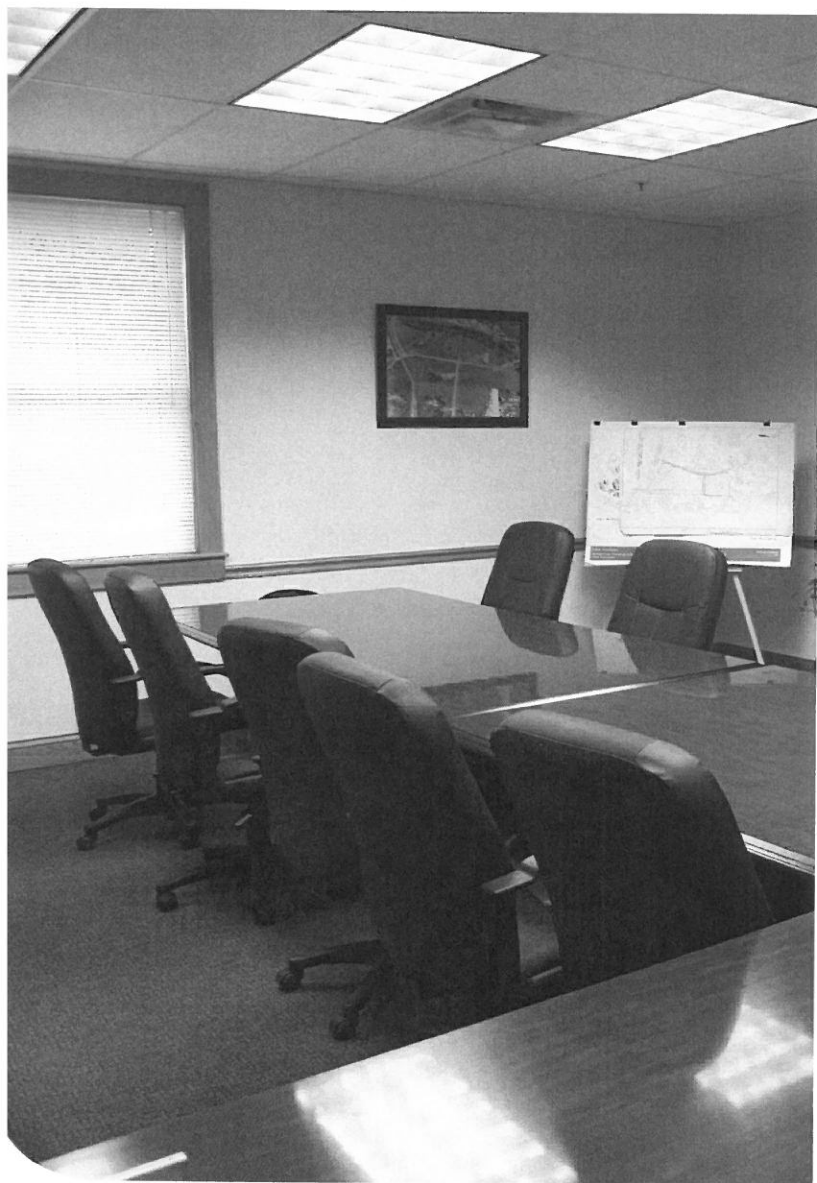
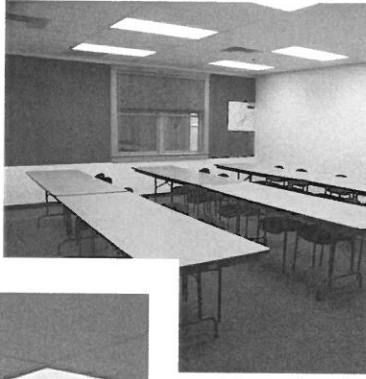
CLIENT: Randolph County
Development Authority

LOCATION: Elkins, WV

COMPLETION DATE: 2012

SIZE: N/A

CONSTRUCTION COST: N/A



ALPHA EXPERIENCE

Wood Technology Center | 2005

Architectural Case Study

Wood Technology Center

Elkins, WV

The West Virginia Wood Technology Center offers continuing education students training and technical support. Alpha Associates, Incorporated provided design and construction administration for the addition and interior renovation. Attached to the pre-existing Randolph County Development Authority, the Wood Technology Center project includes a 2070 SF metal addition of classroom and office space as well as 5400 SF interior renovation of existing classroom and offices.

A state-of-the-art spray booth is also included in the project to enable top-quality finishing of wood projects produced in the wood shop.

Project Contact:

Robbie Morris

10 11th Street #1

Elkins, WV 26241

304-637-0803

At a Glance

CLIENT: Randolph County Development Authority

LOCATION: Elkins, WV

COMPLETION DATE: 2005

SIZE: 7,470 SF

CONSTRUCTION COST: \$436,000

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Military Facilities

The following new Military Facilities contain a variety of relevant spaces including offices, maintenance and storage facilities, and various shops and production areas.

Regional Maintenance Facility, Pennsylvania National Guard Facility, Johnstown, PA. HFL was responsible for the engineering design of a New Maintenance Shop for the Pennsylvania National Guard Facility consisting of 23,560 sq.ft. with approximately 8,000 sq.ft. of office and maintenance shop area and the remainder for storage and eight vehicle maintenance bays. The project included flammable storage, general storage areas, weapons vault, security system design, and an on-site fuel dispensing station. The entire area is protected by a perimeter fence and automatic access gates entering the site. Total Construction Cost: \$4,200,000.

New U.S. Army Reserve Centers (USARCs) in Morgantown, Kingwood, and Elkins, WV. HFL provided the MEP services for all three of the facilities which included:

- Morgantown – 21,700 sq.ft. Administrative and Training Building, 5,500 sq.ft. four bay Organizational Maintenance Shop (OMS)
- Elkins – 12,000 sq.ft. Administrative and Training Building, 4,200 sq.ft., three bay OMS
- Kingwood – 19,000 sq.ft. Administrative and Training Building, 5,000 sq.ft. four bay OMS, and 600 sq.ft. of covered storage area

Total Construction Cost: \$5,400,000.



New USARC in Beckley and Rainelle, WV. HFL provided the MEP services for both of the facilities which included:

- Beckley – 27,511 sq.ft. Administrative and Training Building, 2,709 sq.ft. OMS
- Rainelle – 19,444 sq.ft. Administrative and Training Building, 7,532 sq.ft., three bay OMS

Total Construction Cost: \$5,400,000

U.S. Army Reserve Aviation Center, Weirton, WV. Under this design/build contract, the HFL provided engineering design services for a 30% concept design for this new reserve center. The facility is comprised of a 16,000 sq.ft. training building and a 6,300 sq.ft. organizational maintenance shop (OMS).

New USARC in Grantsville, PA. HFL provided the MEP Engineering services for a 15,000 sq.ft. training building and 2,400 sq.ft. OMS

Total Construction Cost: \$4,500,000



H.F. LENZ
COMPANY

Relevant Project Experience

New USARC in Brownsville, PA. HFL provided the MEP Engineering services for a 20,000 sq.ft. training building and a new six bay OMS
Total Construction Cost: \$3,600,000

U.S. Armed Forces Aviation Facility, Johnstown, PA. HFL provided MEP, Structural, and Civil Engineering Services and Land Surveying Services for a new 120,000 sq.ft. aviation facility consisting of a training building to accommodate 300 reservist, a new hangar facility, and site development for the 80-acre site. Total Construction Cost: \$30,000,000.



Civil Engineering Building for the 911th Airlift Group, in Coraopolis, PA. HFL provided the MEP, Civil, Structural, and Land Surveying Services for a new 21,000 sq.ft.

building housing offices, classrooms, conference rooms, drafting room, print room, support facilities, plumbing, sheet metal and welding shop, carpentry shop, electrical shop, HVAC and liquid fuels shop, Battery shop, Fire extinguisher shop, storage facilities and covered storage area. The project was phased to allow existing facilities to remain in use during construction. Total Construction Cost: \$4,300,000.



Operational Maintenance Facility, Johnstown, PA. HFL provided MEP, Structural and Civil Engineering for a new 12,700 sq.ft. Organizational Maintenance Facility with eight work bays. Total Construction Cost: \$4,690,000

Letterkenny Army Depot, U.S. Army Corps of Engineers

Chambersburg, PA. HFL has completed numerous projects throughout the Letterkenny Army Depot on five IDCs over the past 20+ years, including Building 350 which accommodates repair and maintenance for tactical vehicles, and Building 320 which accommodates painting and repair of military vehicles. Our services have included mechanical, electrical, fire protection, structural, and civil design services for various new construction, alteration projects and repair projects.

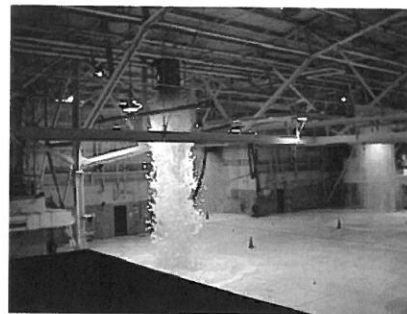
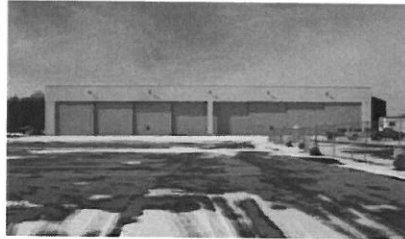


Hanger Expansion and New Aircraft Storage Facility, Ohio National Guard, Akron-Canton Regional Airport, Akron, OH.

HFL provided MEP and structural engineering services for the expansion and alteration of the existing Army Aviation Support Facility (AASF) hanger. The existing facility was not equipped with a fire suppression system. The requirements of the project included partial demolition, expansion of the foundation and floor area of the existing hangar by 11,088 sq.ft., a new fire suppression system, modifications to the existing security systems and various interior improvements. The expanded facility is now able to accommodate three CH-47 helicopters.

The project also included the design of a new 26,400 sq.ft. aircraft storage facility.

The \$6,700,000 project was completed in 2008.



Additional Military Facility Project Examples:

Army Reserve Center, Wheeling, WV

- New 284-member reserve center with training building and maintenance shop

Morlock Army Reserve Center, Pittsburgh, PA

- HVAC modifications

Copely Army Reserve Center, Oil City, PA

- Boiler addition

Steele Army Reserve Center, Pittsburgh, PA

- Complete HVAC system replacement

Camp Dawson, Kingwood, WV

- Three new billeting facilities

Walter Reed Army Medical Center, Washington, D.C.

- Energy engineering analysis program, main hospital building

Corps of Engineers Offices, The Wanamaker Building, Philadelphia, PA

- Tenant fit-up

Ford City Armory, Ford City, PA

- New 24,400 sq.ft. training center with classrooms and kitchen/dining facilities

Naval Air Station, Lakehurst, NJ

- Air conditioning tune-up study

Various Activities, Pennsylvania, New York, and New Jersey

- Specialized energy studies

Naval Ship Parts Control Center, Mechanicsburg, PA

- Administrative facility improvements

Naval Research Laboratory, Washington, D.C.

- Three indefinite delivery contracts for mechanical, electrical, and structural engineering services (Chesapeake Division)

Oceana Naval Station, Virginia Beach, VA

- Energy monitoring and control system
- Boiler plant modifications (Atlantic Division)



Additional Project Experience

Pennsylvania Turnpike Commission, Harrisburg, PA. HFL provided mechanical, electrical, plumbing, fire protection and civil engineering services for the complete building system renovation of an existing 112,000 sq.ft. facility, plus a 50,000 sq.ft. addition to the Central Administration Building. *This central operations center serves as the primary hub for all data management and emergency response activities for the Turnpike Commission.*

The building houses the following:

- State Police Troop T Command Center
- Various Administrative Depts.
- Communications Center
- Library
- Training Rooms
- Conference rooms
- Cafeteria/Dining
- Various other spaces



The new Turnpike facility provides an elevated level of comfort for the staff, successfully promoting healthy life styles. This project has received LEED Certification. **Award:** *2001 AIA Green Design Certificate of Merit*

Weather Services International Corporation, Andover, MA. HFL provided the engineering services for the base building and build-out of a new 150,000 sq.ft. corporate headquarters for Navisite, Inc., following the completion of that project, we were retained to provide design services for the renovation of approximately 75,000 sq.ft. in the Navisite building for use by Weather Services International (WSI) Corporation. WSI provides weather-related software and systems, and delivers weather forecasts both nationally and internationally. In an effort to tailor an existing space to afford WSI a unique presence and identity the team designed a 24/7 weather forecasting and filming operations center. This fast track addition to WSI's headquarters offers state-of-the-art, flexible workspace, while simultaneously complementing the existing architecture.



The main goal of the project was to design a flexible and ergonomic environment. The raised floor design allows for telecommunications and data wiring at any location. A unique indirect lighting system and a monotone color scheme reduce glare and eye strain. Also included in the project was the addition of six sound booths and three chroma studios, each allocated for a specific aspect of the weather service industry.

This computer-intensive facility houses eleven laboratory spaces and a new Operations Center and Communications Room. The Operations Center is configured to support live broadcasts and has adjacent processing areas for image enhancement and voice over recordings. The facility also supports numerous satellite dishes both at grade and elevated on the buildings roof.



The communications cabling system was designed to provide a structured voice, data and video distribution system utilizing a combination of multimode fiber, singlemode fiber, high speed UTP cable, and various 50 and 75 ohm coax cables.

Mellon Client Service Center, Mellon Financial Corporation, (Now Bank of New York Mellon), Pittsburgh, PA. Mellon Financial Corporation commissioned HFL to provide design services for a new 750,000 sq.ft. "information factory," the Mellon Client Service Center.

To accommodate processing functions, Mellon needed a design that would include large, raised floors of up to 84,000 sq.ft., with sophisticated data cabling. Loading docks and extensive parking were two other considerations. As an added challenge, the new Mellon Client Service Center was built on an irregular urban site, above Pittsburgh's main subway station and straddling a major street. The center is fully integrated with Mellon's global infrastructure through its own data center, raised floor, and sophisticated cabling.



Awards:

2004 Office Building of the Year from BOMA Mid-Atlantic Division

2001 Integrator Award from Consulting-Specifying Engineer Magazine

Social Security Administration – Main Operations Building,

Woodlawn, MD. HFL provided MEP engineering services for this multi-phased, 1,200,000 sq.ft. Social Security Administration's

Woodlawn Campus. The major project determinant was the need to provide a facility that will meet tenant needs and support the agency as it advances into the future. To achieve this, an office facility characterized by modern workstations, state-of-the-art lighting, improved heating,

ventilation, and air conditioning (HVAC) and a telecommunication system capable of evolving with the technologies of tomorrow was designed. The project included energy conservation measure upgrades and compliance with all current codes and standards, and required continual occupancy.



The cafeteria was also completely renovated to provide a food court serving area, dining, and efficient kitchen areas.

Awards: *H.F. Lenz Company received a 2002 Projects of the Year Merit Award for the innovative use of technology in the design of the Woodlawn Chilled Water Plant, Presented by Consulting-Specifying Engineer Magazine. This project received a LEED Rating.*



Mr. Deter is responsible for the engineering design of all trades, the supervision of senior designers, the preparation of reports to determine optimal systems and/or equipment selections, and the coordination and checking of contract documents for completeness and quality. He is responsible for coordination with the client, the architect, regulatory agencies, and the engineering staff; project scheduling; and other project management functions. Mr. Deter is experienced in the design of building systems for both new buildings and building retrofits for educational, health care, commercial, government, industrial, residential, and utility related facilities. His project experience includes:

Pennsylvania Army National Guard
Pittsburgh, Pennsylvania
*Renovation of the 26,700 sq.ft. Crane
Readiness Center*

*administrative areas, library, assembly hall,
weaponer room and medical section, and
17,000 sq.ft. OMS/AMSA*

Letterkenny Army Depot
Chambersburg, Pennsylvania
Various projects under 5 IDCs including:
– *Building 350 – Vehicle maintenance building
lighting and fire alarm system replacement*
– *Building 1 - HVAC system upgrades*

U.S. Army Reserve Aviation Center
Weirton, West Virginia
*Design/build project including a 16,000 sq.ft.
training building with classrooms, assembly
hall, arms vault, armorer, weaponer room,
and Comsec training area, and a 6,300 sq.ft.
OMS*

New Armory, Pennsylvania Department of
Military Affairs
Ford City, Pennsylvania
*New 24,400 sq.ft. training center with
classrooms and kitchen/dining facilities and
maintenance shop*

U.S. Army Reserve Center
Grantsville, Maryland
*New 15,300 sq.ft. training building with
classrooms, assembly hall, library, Comsec
training area, and weaponer room, and 2,400
sq.ft. OMS*

Pennsylvania National Guard Facility
Regional Maintenance Facility
Johnstown, Pennsylvania
*New maintenance shop consisting of 23,560
square feet with approximately 8,000 square
feet of office and maintenance shop area and
the remainder for storage and eight vehicle
maintenance bays*

U.S. Army Reserve Center Aviation Facility
Johnstown, Pennsylvania
*New 120,000 sq.ft. multi-building reserve
center including a new training building and
hangar facility. Project included 90% design
for a new 200-bed Marine Corps Reserve
barracks*

U.S. Army Reserve Center
Wheeling, West Virginia
*Design/build project including a 24,000 sq.ft.
training building with classrooms,*

U.S. Air Force – 911th Airlift Group
Corapolis, Pennsylvania
Various projects under two IDCs

Education

Bachelor of Science, Electrical Engineering Technology, 1987, University of Pittsburgh at Johnstown

Experience

H.F. Lenz Company 1992 – Present • Parfitt/Ling Consulting Engineers 1990 - 1992

Gary Johnston & Assoc., Inc. 1987 - 1990

Professional Certification

Licensed Professional Engineer in Pennsylvania, Illinois, Maryland, New Jersey, Ohio, Virginia, and West Virginia; LEED™ Accredited Professional

Professional Affiliations

Professional Engineers in Private Practice; NSPE/PSPE; APPA; U.S. Green Building Council



Mr. Stewart has over 20 years experience in the design of HVAC, plumbing, and fire protection systems. His responsibilities have included code compliance verification, schematic layout, calculations, equipment selection, control system selection, specification writing, coordination, life cycle cost analyses, cost estimating. His experience includes the design of mechanical systems for military installations, industrial plants, office buildings, hospitals, and educational facilities. He has also been involved in the design of chiller and boiler plants. Mr. Stewart's project experience includes (*indicates prior experience):

Pennsylvania Army National Guard
Pittsburgh, Pennsylvania
*Renovation of the 26,700 sq.ft. Crane
Readiness Center*

Walter Reed Army Medical Center
Chambersburg, Pennsylvania
– *Renovation and upgrade to Building 12,
Provost Marshal's Facility*
– *Repair and upgrade of the main steam
distribution system from the Garrison's Steam
Plant, Building 15, to the Main Hospital
building, Building 2*

Pennsylvania National Guard
Johnstown, Pennsylvania
*New Regional Maintenance Facility with 23,560
sq.ft. maintenance shop. The project included
flammable storage, general storage areas, and
an on-site fuel dispensing station*

Ohio National Guard
Akron-Canton Regional Airport, Akron, Ohio
*New 26,400 sq.ft. aircraft storage facility and
partial demolition, expansion, and renovations
to the existing hangar. The project included the
design of a new fire suppression system*

New Armory, Pennsylvania Department of
Military Affairs
Ford City, Pennsylvania
*New 24,400 sq.ft. training center and
maintenance shop*

911th Airlift Wing, U.S. Air Force Reserve
Greater Pittsburgh International Airport
Coraopolis, Pennsylvania
Various projects under two IDCs

Dyess Air Force Base*
Abilene, Texas
– *Base Headquarters*
– *Aircraft and maintenance hangar*
– *Vehicle maintenance facility*
– *General aircraft maintenance hangar
renovation*
– *80,000 sq.ft. office building renovation*

Squadron Operations, Dyess Air Force Base*
Abilene, Texas
– *HVAC replacement involving 998 units of
military family housing*
– *Renovation to existing airmen's dormitory*
– *Renovations and additions to five office
buildings ranging from 5,000 to 15,000 sq.ft.*

Education

Master of Science, Mechanical Engineering, University of Pittsburgh, 1995
Graduate Courses in Facilities Engineering, Air Force Institute of Technology, 1984-1987
Bachelor of Science, Mechanical Engineering, University of Pittsburgh, 1984

Experience

H.F. Lenz Company 1996 - Present
Peter F. Loftus Division, Eichleay Engineers, Inc. 1989 - 1996
Newport News Shipbuilding 1988 - 1989
U.S. Air Force 1984 - 1988

Professional Registration / Certification

Licensed Professional Engineer in Pennsylvania • LEED™ Accredited Professional • Adjunct Assistant Professor for the University of Pittsburgh at Johnstown in HVAC Design for the Mechanical Engineering Technology Curriculum

Professional Affiliations

American Society of Heating, Refrigerating, and Air-Conditioning Engineers; APPA



Gregory D. Rummel, C.P.D.
Plumbing and Fire Protection Designer

Mr. Rummel has designed complete plumbing and fire protection systems for colleges, schools, office buildings, hospitals, prisons, laboratories, industrial facilities, and military installations. He is fully knowledgeable of NFPA codes and is experienced in the design of wet, dry, preaction, FM200, and deluge fire protection systems. He is responsible for plumbing and sprinkler system design, layout, and calculations; selection and sizing of equipment; cost estimates; and site survey work. Mr. Rummel supervises drafting personnel; coordinates the plumbing design with utility companies, with other trades, and with the Project Engineer and Project Architect; and is responsible for assembling complete and accurate plumbing bid documents which meet H.F. Lenz Company standards. Mr. Rummel has been involved in the design of plumbing and fire protection systems for the following projects:

Pennsylvania Army National Guard
Pittsburgh, Pennsylvania
*Renovation of the 26,700 sq.ft. Crane
Readiness Center*

Pennsylvania National Guard
Johnstown, Pennsylvania
*New Regional Maintenance Facility with 23,560
sq.ft. maintenance shop. The project included
flammable storage, general storage areas, and
an on-site fuel dispensing station*

Ohio National Guard
Akron-Canton Regional Airport, Akron, Ohio
*New 26,400 sq.ft. aircraft storage facility and
partial demolition, expansion, and renovations
to the existing hangar. The project included the
design of a new fire suppression system*

New Armory, Pennsylvania Department of
Military Affairs
Ford City, Pennsylvania
*Plumbing and fire protection design for a new
24,000 sq.ft. training facility with classrooms
and kitchen/dining facilities*

U.S. Army Reserve Center
Beckley, West Virginia
*Plumbing and fire protection design for a new
300-member Reserve Center with training
building and OMS*

U.S. Army Reserve Center
Kingwood, West Virginia
*Plumbing and fire protection design for a new
100-member Reserve Center with training
building and OMS*

U.S. Army Reserve Aviation Facility
Johnstown, Pennsylvania
*Fire protection system design for a new
120,000 sq.ft. multi-building reserve center
with new training building and a new hangar
facility*

U.S. Army Reserve Center
Grantsville, Maryland
*Plumbing and fire protection design for a new
15,300 sq.ft. training building with classrooms,
assembly hall, library, Comsec training area,
and weaponeer room, and 2,400 sq.ft. OMS*

911th Airlift Wing, U.S. Air Force Reserve
Greater Pittsburgh International Airport
Coraopolis, Pennsylvania
*– Plumbing and fire protection system design
for a new 21,700 sq.ft. base civil engineering
building*
– Various projects under two IDCs

Letterkenny Army Depot
Chambersburg, Pennsylvania
Various projects under 5 IDCs

Education

B.S. in Mechanical Engineering Technology, 2000, Point Park College
Associate in Specialized Technology 1984, Architectural Drafting and Construction with CAD
Technology, Triangle Institute of Technology

Experience

H.F. Lenz Company 1989 - Present
Newport News Ship Building 1984 - 1989

Professional Certification

Certified in Plumbing Design, ASPE



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

Pennsylvania Army National Guard
Pittsburgh, Pennsylvania
*Renovation of the 26,700 sq.ft. Crane
Readiness Center*

Pennsylvania National Guard
Johnstown, Pennsylvania
*New Regional Maintenance Facility with 23,560
sq.ft. maintenance shop. The project included
flammable storage, general storage areas, and
an on-site fuel dispensing station*

Ohio National Guard
Akron-Canton Regional Airport, Akron, Ohio
*New 26,400 sq.ft. aircraft storage facility and
partial demolition, expansion, and renovations
to the existing hangar. The project included the
design of a new fire suppression system*

Letterkenny Army Depot
Chambersburg, Pennsylvania
Various projects under several IDCs including:
– *Building 350 – Vehicle maintenance building
lighting and fire alarm system replacement
(350,000 sq.ft)*
– *Defense Data Center, Bldg 3*
– *Warehouse Building, Bldg 7*
– *Missile Maintenance Building, Bldg 370*
– *ATACMS Missile Assembly Facility*
– *Building 521 Addition*
– *Commanding Officer's Residence, Bldg 505*
– *Hazardous materials storage building*
– *Battery shop addition*

U.S. Air Force – 911th Airlift Group
Corapolis, Pennsylvania
Various projects under two IDCs

Department of Treasury*
New Troop "C" Headquarters
Trenton, New Jersey
*New 85,000 sq.ft. police barracks with training
areas, administration areas, car maintenance
area, dispatch area, and holding cells*

Allegheny County 911 Center*
Allegheny County, Pennsylvania
*New 911 center consisting of 60,000 sq.ft. of
administration space and 3,500 sq.ft. of data
center space*

Westmoreland County 911 Center*
Westmoreland County, Pennsylvania
*New 25,000 sq.ft. center consisting of computer
and administration space*

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

Anthony Juvenile Correctional Center*
Neola, West Virginia
Electrical design of correctional facility

Education

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

Experience

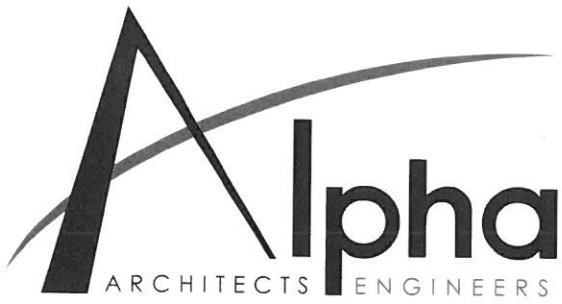
H.F. Lenz Company 1999
L. Robert Kimball & Associates 1996 – 1999
Leach Wallace Associates, Inc. 1990 - 1996
E.A. Mueller, Inc. 1988 - 1990

Professional Registration / Certification

Licensed Professional Engineer in Pennsylvania • Alabama • Florida • Maryland • Missouri • New Jersey • New Mexico • Ohio • Tennessee

Professional Affiliations

Institute of Electrical and Electronics Engineers, Inc.



Michael Evans, Architect
State of West Virginia
1900 Kanawha Blvd., East
Bldg. 1 Room MB-60
Charleston, WV 25305
304-957-7145

Melody Haynes, Procurement Officer
State of West Virginia
1900 Kanawha Blvd. East
Bldg. 1, Room MB-60
Charleston, WV 25305
304-957-7173

Kent George, Managing Member
Robinson & McElwee
Holiday Inn & Suites South Charleston
700 Virginia Street East
Charleston, WV 25301
304-344-5800

Real Estate Division
State of West Virginia
1409 Greenbrier Street
Charleston, WV 25311
304-558-3062

Mr. John Sommers, Senior Project Manager
West Virginia University
979 Rawley Lane
Morgantown, WV 26506
304-293-2856

REFERENCES

Every aspect and detail of your planning, coordination, and completed projects have been exceptional and outstanding in every regard.

Robert Hammel, Former Director
Morgantown Municipal Airport

The entire staff at Alpha has always been responsive, professional, creative, and practical. Most importantly, they are always concerned about our needs as a client. They quickly respond to challenges that arise during construction.

Brian Thomas, President
Clear Mountain Bank