



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

Request for Quotation

REQ NUMBER
 GSD126401

PAGE
 1

ADDRESS CORRESPONDENCE TO ATTENTION OF
 KRISTA FERRELL
 304-558-2596

*709042225 304-296-8216

ALPHA ASSOCIATES INC
 209 PRAIRIE AVE STE 209

MORGANTOWN WV 26501

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DEPARTMENT OF ADMINISTRATION
 GENERAL SERVICES DIVISION
 BUILDING FOUR
 112 CALIFORNIA AVENUE
 CHARLESTON, WV
 25305 304-558-2317

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
04/10/2012				

BID OPENING DATE: 04/12/2012 BID OPENING TIME 01:30PM

LINE	QUANTITY	UQP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDENDUM NO. 1		
				THIS ADDENDUM IS ISSUED TO ANSWER ALL TECHNICAL QUESTIONS SUBMITTED IN ACCORDANCE WITH THE PROVISIONS OF THE ORIGINAL EXPRESSION OF INTEREST (GSD126401)		
				BID OPENING DATE REMAINS: 04/12/2012		
				BID OPENING TIME REMAINS: 1:30 PM		
				***** END ADDENDUM NO. 1 *****		
001	1	LS		906-07		
				A&E SERVICES BUILDING 4 RENOVATION		

RECEIVED
 2012 APR 12 AM 10:11
 WV PURCHASING
 DIVISION

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
SIGNATURE 	TELEPHONE 304-296-8216	DATE 04-11-12
TITLE President and COO	FEIN 55-0516286	ADDRESS CHANGES TO BE NOTED ABOVE



State of West Virginia
 Department of Administration
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ADDRESS CORRESPONDENCE TO ATTENTION OF
**KRISTA FERRELL
 304-558-2596**

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE

Alpha Associates, Inc.
 209 Prairie Avenue
 Morgantown, WV 26501

SHIP TO

DEPARTMENT OF ADMINISTRATION
 GENERAL SERVICES DIVISION
 BUILDING FOUR
 112 CALIFORNIA AVENUE
 CHARLESTON, WV
 25305 304-558-2317

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
03/21/2012				

BID OPENING DATE: **04/12/2012** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-07		
A&E SERVICES BUILDING 4 RENOVATION				<p style="text-align: center;">RECEIVED</p> <p style="text-align: center;">2012 APR 11 PM 12:23</p> <p style="text-align: center;">WV PURCHASING DIVISION</p>		
EXPRESSION OF INTEREST (EOI)						
<p>THE WEST VIRGINIA STATE PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF GENERAL SERVICES, IS SOLICITING EXPRESSIONS OF INTEREST FOR ARCHITECTURAL AND ENGINEERING SERVICES FOR RENOVATIONS TO BUILDING #4 LOCATED ON THE WEST VIRGINIA STATE CAPTIOL COMPLEX IN CHARLESTON, WEST VIRGINIA PER THE ATTACHED SPECIFICATIONS.</p> <p>TECHNICAL QUESTIONS CONCERNING THIS SOLICITATION MUST BE SUBMITTED IN WRITING TO KRISTA FERRELL IN THE WEST VIRGINIA STATE PURCHASING DIVISION VIA FAX AT 304-558-4225 OR VIA EMAIL AT KRISTA.S.FERRELL@WV.GOV.</p> <p>DEADLINE FOR ALL TECHNICAL QUESTIONS IS 04/05/2012 AT THE CLOSE OF BUSINESS.</p> <p>ANY TECHNICAL QUESTIONS RECEIVED WILL BE ANSWERED BY FORMAL WRITTEN ADDENDUM TO BE ISSUED AFTER THE DEADLINE HAS LAPSED.</p> <p>VERBAL COMMUNICATION: ANY VERBAL COMMUNICATION BETWEEN THE VENDOR AND ANY STATE PERSONNEL IS NOT BINDING. ONLY INFORMATION ISSUED IN WRITING AND ADDED TO THE EOI BY FORMAL WRITTEN ADDENDUM BY PURCHASING IS BINDING.</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE 	TELEPHONE 304-296-8216	DATE 04-10-12
TITLE President and COO	FEIN 55-0516286	ADDRESS CHANGES TO BE NOTED ABOVE

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



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**KRISTA FERRELL
 304-558-2596**

VENDOR

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 Morgantown, WV 26501

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03/21/2012				

BID OPENING DATE: **04/12/2012** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>NO CONTACT BETWEEN THE VENDOR AND THE AGENCY IS PERMITTED WITHOUT THE EXPRESS WRITTEN CONSENT OF THE STATE BUYER. VIOLATION MAY RESULT IN THE REJECTION OF THE BID. THE STATE BUYER NAMED ABOVE IS THE SOLE CONTACT FOR ANY AND ALL INQUIRIES AFTER THIS EOI HAS BEEN RELEASED.</p> <p>EXHIBIT 10</p> <p>REQUISITION NO.:</p> <p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NO.'S:</p> <p>NO. 1</p> <p>NO. 2</p> <p>NO. 3</p> <p>NO. 4</p> <p>NO. 5</p> <p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.</p> <p>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</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE *[Signature]* TELEPHONE 304-296-8216 DATE 04-10-12

TITLE President and COO FEIN 55-0516286 ADDRESS CHANGES TO BE NOTED ABOVE

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



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ADDRESS CORRESPONDENCE TO ATTENTION OF
KRISTA FERRELL 304-558-2596

RFQ COPY

TYPE NAME/ADDRESS HERE

Alpha Associates, Inc.
 209 Prairie Avenue
 Morgantown, WV 26501

SHIP TO

DEPARTMENT OF ADMINISTRATION
 GENERAL SERVICES DIVISION
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 CHARLESTON, WV
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03/21/2012				

BID OPENING DATE: 04/12/2012 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
THE EOI SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE EOI MAY NOT BE CONSIDERED: SEALED EOI BUYER: KRISTA FERRELL-FILE 21 EOI. NO.: GSD126401 EOI OPENING DATE: 04/12/2012 EOI OPENING TIME: 1:30 PM PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR EOI: 304-296-8216 ----- CONTACT PERSON (PLEASE PRINT CLEARLY): Richard A. Colebank, PE, PS ----- ***** THIS IS THE END OF RFQ GSD126401 ***** TOTAL: _____						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE 304-296-8216	DATE 04-10-12
TITLE President and COO	FEIN 55-0516286	ADDRESS CHANGES TO BE NOTED ABOVE

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

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 exceeds five percent of the total contract amount.

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

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

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: Alpha Associates, Incorporated

Authorized Signature: *[Signature]* Date: 4-10-12

State of West Virginia

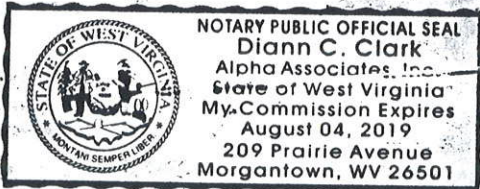
County of Monongalia, to-wit:

Taken, subscribed, and sworn to before me this 10th day of April, 2012.

My Commission expires August 04, 2019, 20 .

AFFIX SEAL HERE

NOTARY PUBLIC *[Signature]*





April 12, 2012

Purchasing Division
2019 Washington Street, East
P.O. Box 50130
Charleston, WV 25305-0130

Attention: Ms. Krista Ferrell

**RE: GSD126401 – Architectural/Engineering Services
Building 4 Renovations**

Dear Ms. Ferrell,

Alpha Associates, Incorporated is pleased to submit this Expression of Interest for consideration as the architect/engineer to provide a Comprehensive Evaluation, Architectural and Engineering Design Services and Construction Administration for Building 4 located on the State Capitol Campus. Alpha's team will prove to be an exceptional partner for you throughout the evaluation, design, and renovation.

Alpha is a West Virginia owned and operated design firm offering a full range of design services, including architectural design, civil and structural engineering, interior design, landscape design, surveying, and construction administration. The following Expression of Interest outlines Alpha's qualifications, as well as those of our team member, H.F. Lenz Company. Lenz will provide all mechanical, electrical, plumbing and fire safety evaluations and design.

The design staff for your project will be led by talented architects and engineers with recent, relevant experience. Your project will be managed and produced in Alpha's Corporate Office located in Morgantown, WV. You will have a team of professionals who will be dedicated to the success of your project.

This project is a perfect fit for our team. We have the expertise and ability to handle the evaluation, design and renovation of Building 4 in its entirety. Our quality work, professionalism and dedication are unparalleled among our competitors. We look forward to sharing additional qualifications and ideas with you in an interview.

Sincerely,

ALPHA ASSOCIATES, INCORPORATED

A handwritten signature in blue ink, appearing to read 'Richard A. Colebank', is written over a light blue circular stamp.

Richard A. Colebank, PE, PS
President and COO
rick.colebank@thinkalphafirst.com



FIRM PROFILE

Firm Profile

FIRM NAME

Alpha Associates, Incorporated

CORPORATE OFFICE

209 Prairie Avenue
Morgantown, West Virginia 26501

EASTERN REGIONAL OFFICE

535 West King Street
Martinsburg, West Virginia 25401

INCORPORATED

1969; Morgantown, WV

FIRM PRINCIPALS

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

NUMBER OF EMPLOYEES

33 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

Currently in its 65th year, the H.F. Lenz Company (HFL) is a Pennsylvania-based firm offering a full range of engineering services for building systems, infrastructure, and industry. Our projects span the nation, with the heaviest concentration in the Northeast, and exceed \$530 million in MEP, structural and civil construction annually. We currently employ 175 people between our three office locations, including 45 Professional Engineers licensed in total of 50 states and DC, and 19 LEED® Accredited Professionals.

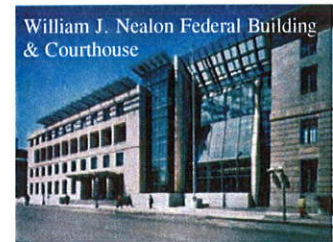
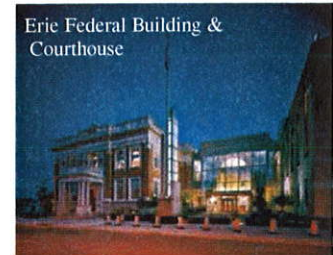
SUSTAINABLE DESIGN

H.F. Lenz Company was recently ranked in the *“Top 100 Green Design Firms”* in the Country, for the third time, by ENR Magazine. We have been a member of the United States Green Building Council since 2000 and currently have *19 LEED® Accredited Professionals on staff*. Our firm has gained a high level of knowledge in the building green process and we possess the experience to successfully apply these principles to all building projects, whether they are designed to attain LEED Certification or not. In addition, we also became an *Energy Star® Partner Firm* in 2008, and have completed validation services for numerous buildings that have attained an Energy Star® Building Label.

H.F. Lenz Company currently has 45+ projects that have attained various levels of LEED Certification, and 40+ more projects are currently pending LEED Certification.

WHAT SETS OUR FIRM APART

- Experience with a wide variety of government agencies including: the General Services Administration, the Department of Homeland Security, Customs and Border Protection, the United States Marshalls Service, Pennsylvania State Police, the Social Security Administration, the Pennsylvania Department of Transportation, the Pennsylvania Department of Conservation and Natural Resources, Department of Defense and the U.S. Drug Enforcement Administration, State and County Agencies
- Engineering services for approximately 50 different GSA facilities throughout the U.S.
- Dedicated mission-critical design team that has over 20 years experience working with financial institutions, insurance companies, and governmental agencies that require extreme levels of reliability and redundancy in their M/E systems
- Experienced in the design of SCIFs and enhanced security features for a variety of clients
- Vast portfolio of sustainable design experience, including projects that have attained various levels of LEED® Certification and/or the Energy Star® Building Label
- Commissioning Services performed by personnel with between 10 - 32 years of experience
- Energy Analysis, Energy Modeling, ASHRAE Level I, II, and III Building Energy Audits, Measurement and Verification Plans and Implementation services



Building 4, having been built in 1952, as “flexible office space around a central core” may have been “cutting-edge” design for flexible office space for when it was built, but may not have kept up with technology or the way people work. This is an existing building and as such any code analysis involved should reflect that condition. However, significant renovation to a structure does make it necessary to bring the entire building in compliance with the current codes and regulations.

Mechanical electrical and plumbing systems have a life expectancy of about 60 years. It appears that Building 4 may have reached that milestone. Even with periodic upgrades to the various systems, we would expect to find deficiencies that would necessitate replacement of plumbing fixtures and piping, mechanical systems and ductwork, and significant upgrades to the electrical systems.

Since the building was built, there have been significant changes and improvements to building and fire codes. The accessibility code and energy codes are even more recent additions to the complexity of building. We would anticipate that the many parts of the building may not be ADA compliant, which could involve substantial renovation.

Stair towers would have to be analyzed for fire code compliance, ensuring quantity, width, and remoteness. Also, fire ratings and penetrations of other vertical shafts would need to be assessed for compliance. If they are not, a plan of action to correct the deficiencies should be developed.

Alpha Associates, is currently working on an \$18M project in the Charleston area for the West Virginia Regional Technology Park. While the building is larger at 125,000 sq. ft., and its use is composed of offices and laboratories, it was constructed in 1956 and retains most if not all of its original “infrastructure” from the 1950’s. The building was “verified” in the field and coordinated with the owner’s existing drawings that were available. Once a reconciliation of the known documents with the actual field verification was achieved, then the initial code analysis for egress and life safety codes was undertaken. A preliminary review of the existing conditions was made with the State Fire



Marshal (SFM). Arriving at solutions, jointly with the SFM, prior to completing our initial cost estimate is worth repeating on Building No. 4.

A building in Morgantown, called CRRB, built as a rocket silo for the National Energy Technology Laboratory, was deeded to the University for office space. It is a 7 story office building. The initial floor fit-out left several floors as “warm-dark shells”. Alpha Associates was hired to renovate both the 7th floor and the 5th floor, after the building was fully occupied. In each case we worked successfully with each tenant and designed their “space to suit”. No disruption of the other occupied areas was experienced by the existing tenants. Building shut-downs were undertaken, and coordinated between the building owner and the general contractor as specified in the contract documents to minimize disruption to the building occupants.

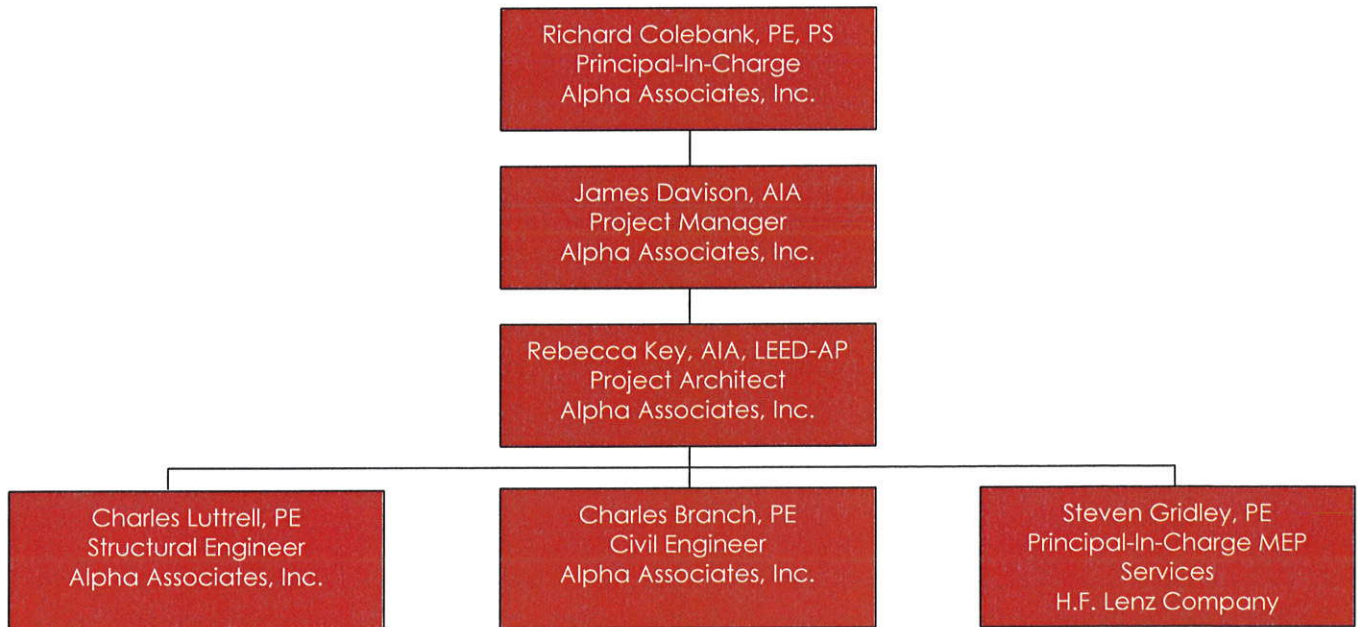
Developing “The What We Have” portion of the project for Building No. 4 is critical to a successful project. Once the known are understood, then we can develop the list of unknowns. If the list of unknowns is whittled down through investigative tools and building analysis, it will be easier to “Developer a Way Forward”. Those two ideas, “what we have”, and “a way forward” will be the foundation to build upon for all future renovation work. They are ideas that will be represented both graphically and as a narrative, with a report.



FIRM/TEAM QUALIFICATIONS 4.2.2

Contact Person: Richard A. Colebank, PE, PS
President and COO
Alpha Associates, Incorporated
209 Prairie Avenue
Morgantown, WV 26501
304-296-8216 Ext.102
rick.colebank@thinkalphafirst.com

Key Personnel/Team Organization



Resumes for the above key personnel are included herein



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

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

- WV Society of Professional Engineers
- National Society of Professional Engineers
- Former NSPE/PEPP Governor of WV
- ACEC/WV; Former President
- University High School Foundation; Charter Member; President
- Morgantown Area Chamber of Commerce; Past Chairman
- Monongalia County PO Technical Advisory Committee; Member
- Morgantown Area Economic Partnership; Member



ALPHA RESUMES

SUMMARY

Mr. Davison joined Alpha Associates, Inc. in November of 1977. He became a principal of the firm and Vice President in 1980. He has designed numerous structures, including research facilities, post offices, religious facilities, commercial and office buildings, and educational and medical facilities. The WV Society of Architects has recognized Mr. Davison for his excellence in architecture with design awards for the WVU Engineering Research Building, Wheeling College Chapel, Morgantown High School, and KCAD Professional Office Building.



PROFILE

Broad-based responsibilities in the following areas:

- Educational Architecture
- Medical Architecture
- Religious Architecture
- Quality Control
- Client Development
- New Business Development

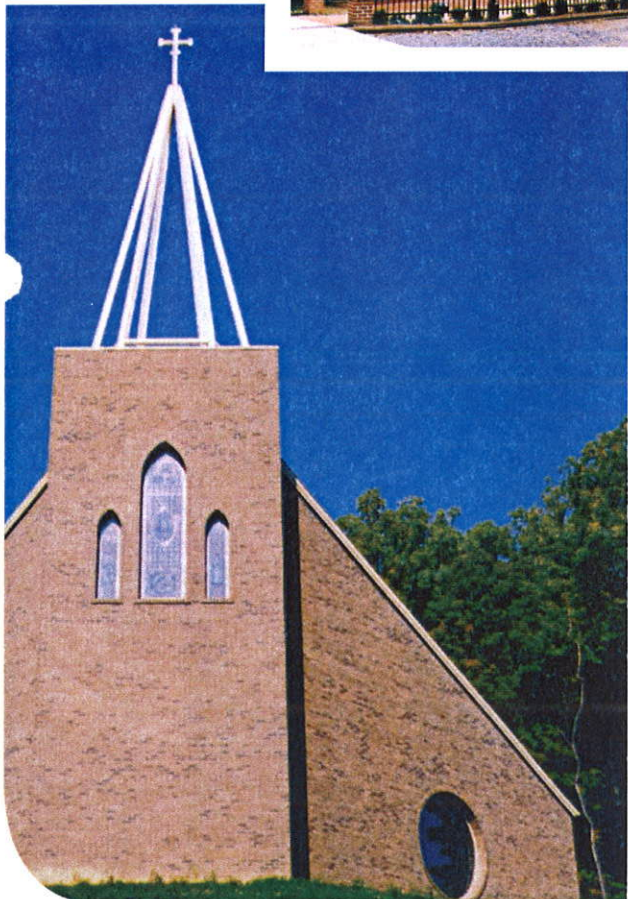
PROFESSIONAL HIGHLIGHTS

Educational Facilities

- Agricultural Sciences Building Addition, WVU
- Engineering Science Building, East Wing Addition, WVU
- Engineering Research Building, WVU
- National Research Center for Coal and Energy, WVU
- Student Leader Housing, WVU
- Gali Laboratory, WVU
- Prichard Hall Renovation, Fairmont State University
- Washington High School; Charles Town, WV
- Westside High School; Clearfork, WV
- Wyoming East High School; New Richmond, WV
- Lewis County High School; Weston, WV
- Morgantown High School Addition/Renovation; Morgantown, WV
- Ridgedale Elementary School Addition; Morgantown, WV

Municipal Facilities:

- Town of White Hall Municipal Building; White Hall, WV
- Jefferson County Emergency Services Agency; Ranson,
- Berkeley County Emergency Ambulance Authority; Martinsburg, WV
- Monongalia County Sheriff's Office; Morgantown, WV
- Wallace Fire Department; Wallace, WV
- Wardensville Municipal Building; Wardensville, WV
- I-68 Welcome Center; Hazelton, WV
- I-77 Welcome Center; Williamstown, WV



ALPHA RESUMES

James A. Davison, AIA | Vice President, Architect

EMPLOYMENT HISTORY

- 1977 – Current Alpha Associates, Inc.
- 1976 – 1977 Carl G. Baker, Architects
- 1974 – 1976 Architectural Firm of Laurie and Green
- 1966 – 1974 Michael S. Molnar Associates

EDUCATION

Pennsylvania State University
Bachelor of Architecture; 1973

QUALIFICATIONS

- **License:** Registered Architect: West Virginia, Pennsylvania, Maryland, Virginia, Ohio
- NCARB Certified

AFFILIATIONS

- American Institute of Architects
- West Virginia Society of Architects
- Council of Educational Facility Planners International
- American Arbitration Association
- Interfaith Forum on Religion, Art and Architecture
- Main Street Morgantown

AWARDS

West Virginia Society of Architects Design Awards:

- KCAD Professional Office Building
- Morgantown High School
- Engineering Research Building
- Wheeling College Chapel

think  first.com

Contact

James A. Davison

304.296.8216

800.640.8216

jim.davison@thinkalphafirst.com



ALPHA RESUMES

Rebecca Key, AIA, LEED-AP | Architect, Associate

SUMMARY

Ms. Key has worked in the architectural field for over 34 years. She is Project Architect/Project Manager for numerous architectural designs at Alpha Associates, Incorporated. Ms. Key is involved from the programmatic stages and schematic designs all the way through construction documents to construction administration.



PROFILE

Broad-based responsibilities in the following areas:

- Architectural Design
- Interior Design
- Medical Design
- Interior Space Planning
- Historic Renovation

PROFESSIONAL HIGHLIGHTS

Architectural Design:

- Mon County Family Court Renovation; Morgantown, WV
- Mon County Sheriff's Building; Morgantown, WV
- WVU South Agricultural Sciences Building; Morgantown, WV
- Washington High School; Charles Town, WV
- Prichard Hall Renovation; Fairmont State University; Fairmont, WV
- WVU CRRB Renovation, 5th and 7th Floors; Morgantown, WV
- WVU Boreman Hall, Boreman Bistro; Morgantown, WV
- WVU Hatfields Restaurant; Morgantown, WV
- Hart Field Maintenance Facility; Morgantown, WV
- Norwood Fire Station; Morgantown, WV
- FMW Composites; Bridgeport, WV
- Hart Field Terminal Renovation; Morgantown, WV
- White Hall Municipal Building; White Hall, WV
- WV State Office Building; Clarksburg, WV
- Ruby McQuain Amphitheater Roof; Morgantown, WV
- Augusta Apartment Building; Morgantown, WV
- Cass Scenic Railroad Clubhouse Renovation; Cass, WV
- Berkeley Springs Bath House Renovation; Berkeley Springs, WV



ALPHA RESUMES

Rebecca Key, AIA, LEED-AP | Architect, Associate

EMPLOYMENT HISTORY

2000 – Current Alpha Associates, Incorporated
1983-1999 Alexander Key and Associates
1978-1983 Webster Clothes; Director of Store Planning

EDUCATION

University of Maryland
Bachelor of Architecture; 1977
Maryland Institute College of Art
Coursework in Furniture Design; 1986-1987

QUALIFICATIONS

- **License:** Registered Architect: West Virginia, Maryland, Washington DC, New York, Virginia, Pennsylvania
- NCIDQ Certified
- Leadership In Energy and Environmental Design Accredited Professional

AFFILIATIONS

- American Institute of Architects
- West Virginia Society of Architects
- Fairmont, WV ICC Board of Appeal; Board Member
- U.S. Green Building Council
- AIA Liveable Communities
- Marion County Chamber of Commerce



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

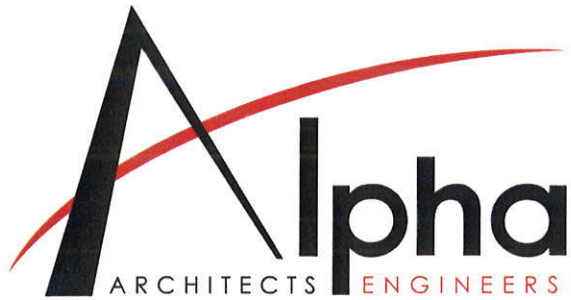
Broad-based responsibilities in the following areas:

- 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



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, Maryland, 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



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

Broad-based responsibilities in the following areas:

- 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



Mr. Gridley is responsible for the master planning and design of government office buildings, college and university facilities, health care facilities, data operations centers, commercial office buildings, utility systems, and renovation/retrofit of historic buildings. He is experienced in the design of chilled water, steam, hot water, refrigeration, air distribution, heat recovery and control systems, uninterruptible power supplies, underground power distribution systems, and interior building distribution systems of all types including building lighting, building security and surveillance, fire protection, normal and emergency power distribution, communication systems, and computer power systems.

West Virginia State Capitol
Charleston, West Virginia
New 4,800-ton central chilled water plant and distribution loop to seven buildings

West Virginia State Office Building
Clarksburg, West Virginia
New 5-story, 100,000 sq.ft. office building to house multiple government agencies

U.S. General Services Administration
Charleston, West Virginia
New 2-story office building to house the FBI

U.S. General Services Administration
Sabraton (USDA)
Morgantown, West Virginia
Tenant-fit out of approximately 40,000 sq.ft. of a GSA-leased building to be utilized by the U.S. Department of Agriculture. The fit-out space consists mainly of offices, conference areas, lobbies, mailroom, credit union, computer center, and storage space - LEED™ Certified

West Virginia University
Morgantown, West Virginia
– *124,000 sq.ft. addition and 86,000 sq.ft. renovation to the Charles Wise Library*
– *New 54,000 sq.ft. Alumni Center*
– *33,000 sq.ft. addition to the Agricultural Sciences Building*
– *Engineering Sciences Building Renovation*
– *Relocation of Campus Support Services*
– *White Hall Renovations*

Mellon Independence Center
Philadelphia, Pennsylvania
Renovation/restoration of an 890,000 sq.ft. historic high-rise office building

Market Street State Office Building
Harrisburg, Pennsylvania
New 450,000 sq.ft. 16-story high-rise office building

The Frick Building
Pittsburgh, Pennsylvania
Renovation of a 350,000 sq.ft., 22-story historic high-rise office building

Grant Building
Pittsburgh, Pennsylvania
Mechanical/electrical evaluation and design of improvements

Reed Smith Shaw & McClay Law Library
Pittsburgh, Pennsylvania
New library for a 300-member law firm in an historic building

Erie International Airport
Customs Building Addition
Erie, Pennsylvania
Complete HVAC, Plumbing, and Electrical design for a new office addition at the existing Customs Building

Education

Bachelor of Science, Architectural Engineering, 1979, Pennsylvania State University

Experience

H.F. Lenz Company 1979 – Present

Professional Registration / Certification

Licensed Professional Engineer in all 50 states and DC

Professional Achievements and Affiliations

First Place, 1987 ASHRAE International Energy Award • National Society of Professional Engineers • Pennsylvania Society of Professional Engineers • Professional Engineers in Private Practice • American Society of Heating, Refrigerating and Air-Conditioning Engineers • Building Officials Code Administrators International • National Fire Protection Association



**H.F. LENZ
COMPANY**

Joel C. Shumaker, P.E., LEED-AP

Project Electrical Engineer and LEED™ Accredited Professional

Mr. Shumaker is experienced in the design of electrical systems for both new buildings and building retrofits for health care, educational, commercial, government, industrial, residential, and utility-related facilities. He is experienced in the design of power distribution systems; emergency power systems and monitoring; uninterruptible power supplies; lighting and emergency lighting systems; fire alarm systems; nurse call; security; sound; and telephone systems. As an electrical project engineer, Mr. Shumaker is responsible for client contact, project scheduling, preparation of reports and cost estimates, coordination and supervision of project design teams, and other project management functions. His project experience includes:

West Virginia State Office Building
Clarksburg, West Virginia
New 5-story, 100,000 sq.ft. office building to house multiple government agencies

U.S. General Services Administration
Charleston, West Virginia
New 2-story office building to house the FBI

U.S. General Services Administration
Sabraton (USDA)
Morgantown, West Virginia
Tenant-fit out of approximately 40,000 sq.ft. of a GSA-leased building to be utilized by the U.S. Department of Agriculture. The fit-out space consists mainly of offices, conference areas, lobbies, mailroom, credit union, computer center, and storage space - LEED™ Certified

West Virginia University
Morgantown, West Virginia
– *124,000 sq.ft. addition and 86,000 sq.ft. renovation to the Charles Wise Library*
– *New 54,000 sq.ft. Alumni Center*
– *33,000 sq.ft. addition to the Agricultural Sciences Building*
– *Engineering Sciences Building Renovation*
– *Relocation of Campus Support Services*
– *White Hall Renovations*

Social Security Administration
Wilkes-Barre, Pennsylvania
New 250,000 sq.ft data operations center

EPS Data Center
Wilmington, Delaware
New data operations center

Cellomics, Inc.
Pittsburgh Technology Center
Pittsburgh, Pennsylvania
New high-tech headquarters and laboratory/research facility

Reliant Energy
Johnstown, Pennsylvania
New fire alarm system in main office building annex

PictureTel Corporation
100 Minuteman Drive
Andover, Massachusetts
Fit-out of research and development laboratories and supporting office space totaling 330,000 sq.ft for the development and manufacturing of video conferencing equipment.

Pennsylvania State University
University Park, Pennsylvania
New 115,000 sq.ft. School of Architecture and Landscape Architecture - LEED Gold

Slippery Rock University
Slippery Rock, Pennsylvania
New 79,424 sq.ft. science and technology building

Education

Bachelor of Science, Electrical Engineering Technology, 1993, University of Pittsburgh at Johnstown

Experience

H.F. Lenz Company 1985 - Present

Professional Registration / Certification

Licensed Professional Engineer in Pennsylvania, West Virginia and Maryland

Professional Affiliations

Association of Physical Plant Administrators • National Society of Professional Engineers • Pennsylvania Society of Professional Engineers • Southern Building Code Congress International



Mr. Weiland has several years experience in the design of HVAC systems. His responsibilities have included design calculations, equipment selection, schematic and construction document design, specification writing, and life cycle cost analyses. His experience includes the design of mechanical systems for primary and secondary educational facilities as well as hospitals. His project experience includes:

West Virginia State Office Building
Clarksburg, West Virginia
New 5-story 100,000 sq.ft. office building to house multiple government agencies

West Virginia University
Morgantown, West Virginia
– *New 54,000 sq.ft. Alumni Center with office/conference room, dining and convention space*
– *New two-story, 38,000 sq.ft. addition to the Agriculture Sciences Building; the new space included research and teaching facilities, office space for faculty, and a state-of-the-art lecture hall that seats 250*
– *Renovation of White Hall*

West Virginia Radio Corporation
Morgantown, West Virginia
New 7,200 sq.ft. building housing a radio studio and office space

Westmoreland County Community College
New Kensington, Pennsylvania
New academic building

Pennsylvania State University
University Park, Pennsylvania
New 115,000 sq.ft. School of Architecture and Landscape Architecture - LEED™ Gold

St. Vincent College
Latrobe, Pennsylvania
Feasibility study and design services for the renovation and addition to the existing science complex, consisting of four buildings; the complex houses the chemistry, biology, physics,

and computer science departments - LEED Gold

Slippery Rock University
Butler County, Pennsylvania
Replacement of Vincent Science Building New 95,000 sq.ft. science building with energy recovery and variable volume lab controls, auditorium, and classroom spaces

West Liberty State College
West Liberty, West Virginia
Main Hall HVAC renovations

Big Spring School District
Newville, Pennsylvania
District administration office

Indiana University of Pennsylvania
Indiana, Pennsylvania
– *University Housing Master Plan*
– *Student Housing Phase I - 294,000 sq.ft. - LEED Certified*
– *Student Housing Phase II - 409,000 sq.ft. - LEED Certified*
– *Student Housing Phase III - 369,000 sq.ft. - LEED Certified*
– *Student Housing IV 255,000 sq.ft. - LEED Certified*

Allegheny College
Meadville, Pennsylvania
New design/build 230-bed 77,000 sq.ft. North Village Student Housing Phase II project, being designed to attain LEED Certification

Education

Bachelor of Architectural Engineering, 2002, Pennsylvania State University

Experience

H.F. Lenz Company 2002 - Present

Professional Registration / Certification

Professional Engineer in Pennsylvania; LEED™ Accredited Professional

Professional Affiliations

ASHRAE – Johnstown, PA Chapter



Mr. Kormanik has designed complete plumbing and sprinkler systems for laboratories, hospitals, colleges, schools, office buildings, industrial facilities, prisons, and military installations. He is responsible for plumbing and sprinkler system design, layout, calculations; selection and sizing of equipment; cost estimates; and site surveys. He is knowledgeable of all applicable plumbing codes. He 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. Kormanik also conducts evaluations and prepared reports of existing plumbing and sprinkler systems for commercial and institutional facilities. His project experience includes:

U.S. General Services Administration
Sabraton (USDA)
Morgantown, West Virginia
Tenant-fit out of approximately 40,000 sq.ft. of a GSA-leased building to be utilized by the U.S. Department of Agriculture. The fit-out space consists mainly of offices, conference areas, lobbies, mailroom, credit union, computer center, storage space and a loading dock. LEED™ Certified

West Virginia University
Charles Wise Library
Morgantown, West Virginia
124,000 sq.ft. addition and 86,000 sq.ft. renovation to existing facility

Market Street State Office Building
Harrisburg, Pennsylvania
Complete plumbing design for a new 16-story, 446,000 sq.ft. office building

Kennametal, Inc.
Solon, Ohio
Complete plumbing design for a 180,000 sq.ft. office/manufacturing facility

Pennsylvania State University
University Park, Pittsburgh
New 115,000 sq.ft. SALA building Project goal LEED™ Gold

Education

Associate, 1983, Interior Design

Experience

H.F. Lenz Company 1985 - Present

Professional Registration / Certification

Certified in Plumbing Design, ASPE
Certified Plumbing Plans Examiner (BOCA)
Certified Plumbing Inspector (BOCA)

GPU Energy, Penelec Corporate Headquarters
Johnstown, Pennsylvania
New underground water service and complete plumbing design for a headquarters renovation

Federal Correctional Institution
Loretto, Pennsylvania
Plumbing systems design for additions to cell block, maintenance building, and office building

The Pennsylvania State University
McKeesport, Pennsylvania
New Student Center including a full-service food service facility, cafeteria, bookstore, health suite, student government offices, game room, large multi-purpose room, and lecture hall designed with capability to house multi-media productions such as teleconferences and distance learning program

Westmoreland Hospital
Greensburg, Pennsylvania
Plumbing and fire protection design for a new four-story medical office building

U.S. Army Reserve Aviation Facility
Johnstown, Pennsylvania
Complete plumbing and fire protection design for a new multi-building reserve center including a training building and various support buildings.



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

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

West Virginia State Office Building
Clarksburg, West Virginia
New 5-story 100,000 sq.ft. office building to house multiple government agencies

U.S. General Services Administration
Charleston, West Virginia
New 2-story, 21,000 sq.ft. office building to house a government agency

U.S. General Services Administration
Sabraton (USDA)
Morgantown, West Virginia
Tenant-fit out of approximately 40,000 sq.ft. of a GSA-leased building to be utilized by the U.S. Department of Agriculture. LEED™ Certified

The Pennsylvania State University
University Park, Pennsylvania
New 115,000 sq.ft. School of Architecture and Landscape Architecture building with classrooms, studios, and modern studio offices
- has attained LEED Gold

West Virginia University
Morgantown, West Virginia
- Complete fire protection for a 124,000 sq.ft. addition and renovation of the 86,000 sq.ft. Charles Wise Library

- New 54,000 sq.ft. Alumni Center
- Renovation of White Hall
- Addition to Agricultural Sciences Building

FedEx Ground
Pittsburgh, Pennsylvania
Complete design services for a new five-story office building

Mellon Financial Corporation
Pittsburgh, Pennsylvania
Fire protection design for a new 750,000 sq.ft. Client Service Center

Cisco Systems, Inc.
Salem, New Hampshire
Mechanical/electrical retrofit of 650,000 sq.ft. office and manufacturing facility

Education

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

Experience

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

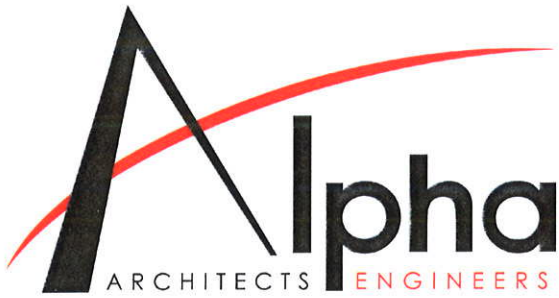
Professional Registration / Certification

NICET Level III in Fire Protection Engineering Technology / Automatic Sprinkler System Layout



Disclosure Statements

- Alpha Associates, Incorporated and H.F. Lenz Company have the ability to handle the project in its entirety.
- Alpha Associates, Incorporated fully understands and accepts that any and all work produced as a result of the contract will become property of the Agency and can be used or shared by the Agency as deemed appropriate.
- Alpha Associates, Incorporated will comply with all local, State, and Federal regulations applicable to the project.
- Alpha Associates, Incorporated has not had any litigation or arbitration proceedings, including vendor complaints filed with the State's Purchasing Division, disputes with other Agencies of the State of West Virginia that involved legal representation by either party relating to the firm's delivery of design services.



PROJECT ORGANIZATION 4.2.3

Key Project Personnel:



Locations Work will be performed – Alpha Associates, Inc. will provide the design work for this renovation project out of our Corporate Office located in Morgantown, WV and H.F. Lenz Company will provide the work from their office located in Johnstown, PA.

Alpha Associates, Incorporated

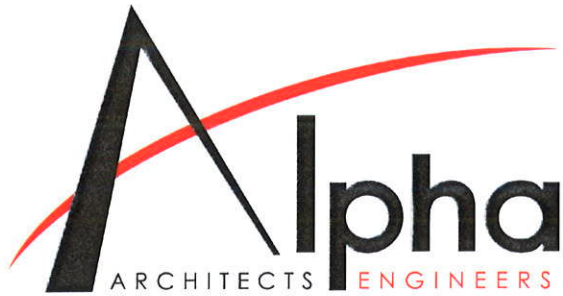
209 Prairie Avenue
Morgantown, WV 26501

H.F. Lenz Company, LLC

1407 Scalp Avenue
Johnstown, PA 15904

SCHEDULE

Successful project management depends upon consensus regarding work efforts, milestones and goals. We have found that the development of detailed work plans, which delineate tasks and deliverables for each project phase, in concert with the client and full project team is the most effective means of establishing expectations about efforts required by the respective disciplines. In addition to guiding the efforts of the



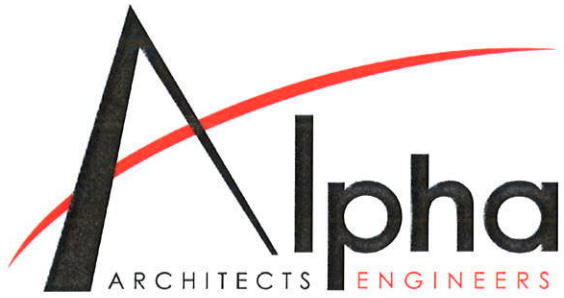
design team, the work plan sets forth specific time frames and decision points for Owner and user reviews, comments and approvals.

Developing an overall project schedule is a critical task that must take into account many factors: building type, owner's desire for occupancy, scope of work and level of documentation, whether contract(s) is bid or negotiated, available fee, and prior experiences on similar projects.

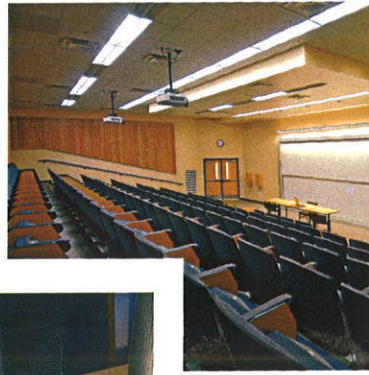
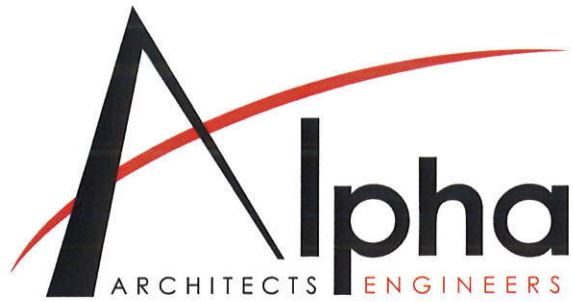
Determining a project schedule is a task that must be done with all parties involved in the process. Once the design process begins, a very detailed, realistic project schedule can be developed and communicated to all involved. It is anticipated that the schedule will go as followed:

Building 4 Outline of Key Phases and Schedule:

- 1) Initial Kick-off meeting at site to review Program and Schedule with Stake Holders/Owner (Within 1 week of Notice to Proceed)
- 2) Establish Schedule with Dates assigned (1 week)
- 3) Assessment of building condition
 - a. Physical on-site inspection (2 days)
 - b. Review of existing documents if any (2 weeks)
 - c. Measurements and/or verification of measurements to reflect actual conditions in field. (1 week)
- 4) Establish conclusions and recommendations based upon observations from inspections of existing conditions. (4 weeks)
- 5) Meeting with stakeholders/Owner's to provide Building Assessment Report(2 days)
- 6) Determine direction of repairs
 - a. Establish phases if necessary (8 weeks)
 - b. Establish probable estimate of costs (8 weeks)
- 7) Obtain approval from Stake holders to proceed to Construction Document Phase (1 week)
- 8) Provide written and graphic documents illustrating extent of replacement, repair and constructions of elements determined from above. Documents shall be of sufficient quality to seek competitive bids for the established Scope of Work. (10 weeks)
- 9) Assist stakeholders in Bidding and Negotiation. (6 weeks)
- 10) Provide Construction Administration during term of construction, representing the Stakeholders/Owner's interest. (18 months)



Total anticipated schedule from Notice to Proceed to completion of bidding documents will be between 36 and 40 weeks depending upon Owner review requirements. Bidding and Contract award should last approximately 6 weeks and Construction taking approximately 18 to 24 months depending on construction staging.



ALPHA EXPERIENCE 4.2.4

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.

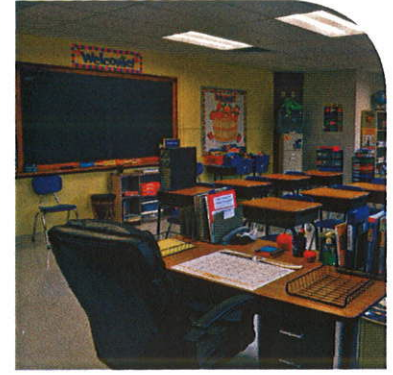
Project Contact:

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

At a Glance

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





ALPHA EXPERIENCE 4.2.4

Mountaineer Middle School | Reno. 2009

Educational Case Study

Mountaineer Middle School
Morgantown, WV

This renovation project included the transformation of a high school into a middle school for Mon County Schools. The renovation included new interior finishes, new HVAC and sprinkler systems, new roof, new entryway, and the paving of parking lots and access road to comply with ADA regulations.

The project consisted of the demolition of the 80 year old boiler heating system, removing existing wall partitions and floor coverings, and the abatement of asbestos containing materials.

The renovation also included relocating the administrative offices adjacent to the buildings primary entrance.

Project Contact:

Joanne Hines, Principal
991 Price Street
Morgantown, WV 26505
304-284-2409

At a Glance

CLIENT: Mon County Schools
LOCATION: Morgantown, WV
COMPLETION DATE: 2009
SIZE: 115,780 Sq. Ft.
CONSTRUCTION COST: \$8.4 Million





ALPHA EXPERIENCE 4.2.4

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

think  Alpha first.com



ALPHA EXPERIENCE 4.2.4

State Office Building | est. 2013

Architectural Case Study

West Virginia State Office Building
Clarksburg, WV

Alpha Associates, Incorporated provided architectural design, civil and structural engineering and surveying services for a new State Office Building in Clarksburg, WV. The building is designed as an 85,250 square foot, five story office building that will hold seven State agencies.

The structure is limestone and granite cladding over steel and concrete frame. The project incorporated certain security features that are designed to protect sensitive documents and occupants from various security threats.

The project will be applying for Silver Certification under LEED standards.

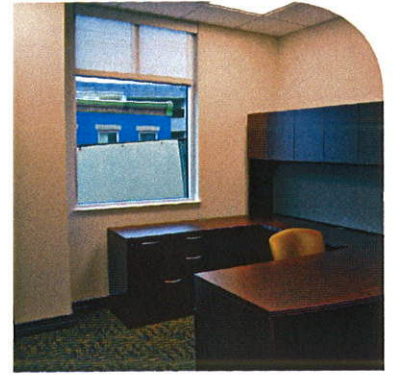
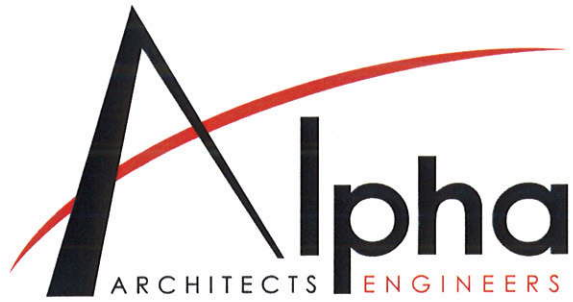
This project is scheduled for bidding in 2012.

Project Contact:
Real Estate Division
1409 Greenbrier Street
Charleston, WV 25311
304-558-3062

At a Glance

CLIENT: State of West Virginia
LOCATION: Clarksburg, WV
COMPLETION DATE: Est. 2013
SIZE: 85,250 sq. ft.
CONSTRUCTION COST: Approx. \$20 Million





ALPHA EXPERIENCE 4.2.4

Sheriff's Building | 2011

Architectural Case Study

Monongalia County Sheriff's Building
Morgantown, WV

Alpha Associates, Incorporated provided architectural design, civil and structural engineering and surveying services for this new building that houses offices for the Monongalia County Sheriff's Department and other County agencies.

Site constraints and adjacent overhead structures made the development and construction of the project very challenging.

The ground floor includes the sheriff's department, evidence room and several bailiff rooms. The remaining floors are designed to house flexible office space.

Restricted access, combined with a high level of security, both passive and active systems were part of the design program.

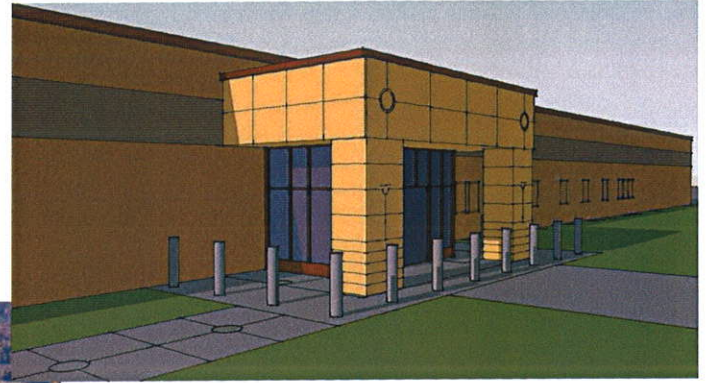
Project Contacts:

Sheriff Al Kisner or Robert Doyle
116 Walnut St. 243 High St.
Morgantown, WV Morgantown, WV
304-291-7290 304-291-7268

At a Glance

CLIENT: Mon County Commission
LOCATION: Morgantown, WV
COMPLETION DATE: 2011
SIZE: 31,655 sq. ft.
CONSTRUCTION COST: \$7.9 Million





ALPHA EXPERIENCE 4.2.4

Administrative Building | 2012

Architectural Case Study

Federal Bureau of Prisons Administrative Building

Hazleton, WV

Alpha Associates is the Architect of Record for a new medium security men's prison in Hazleton, WV. Hensel-Phelps Construction is the Design-Build Contractor. As part of the project Alpha provided architectural design and structural engineering for a new 13,805 square foot Administrative Building.

The Administration Building serves as the main entrance and control center hub for the facility. The building contains a Lobby/Waiting Area, Squad Room/Armory/ Locksmith, Storage Area, Staff Offices/ Telephone & CCTV Monitoring, and the Warden's Suite.

The building serves both secure and non-secure activities. Sensitive areas such as Central Control, Electronic Equipment, Security LAN, and Telephone Equipment were constructed to the Federal Bureau of Prisons Security Standards to include secure doors and hardware, reinforced masonry and concrete walls, and precast concrete plank ceilings.

The building is designed using Leadership in Energy and Environmental Design (LEED) principles and reinforces the goals set forth in the Energy Policy Act. The building is expected to achieve a LEED Gold Certification.

At a Glance

CLIENT: Hensel Phelps Construction

LOCATION: Hazleton, WV

COMPLETION DATE: 2012

SIZE: 13,805 sq. ft.

CONSTRUCTION COST: Part of Larger Project



H.F. LENZ
COMPANY

*U.S. Department of Agriculture
Morgantown, West Virginia*

TENANT FIT-OUT

Through a Design-Build Competition sponsored by the U.S. General Services Administration, H.F. Lenz Company provided the mechanical, electrical, plumbing, and fire protection engineering services for the tenant-fit out of approximately 40,000 sq.ft. of a GSA-leased building to be utilized by the U.S. Department of Agriculture. The facility houses five agencies of the USDA including: the Credit Union, Rural Development, Farm Services Administration, Natural Resource Conservation services, and the USDA Information Technology Services. The fit-out space consists mainly of offices, conference areas, lobbies, mailroom, credit union, computer center, storage space and a loading dock.



The project includes the design of:

- A central HVAC system with main and branch lines, VAV boxes, dampers, flex ducts, and diffusers for the office layout and commons areas. Separate HVAC units for the mail room and lobby spaces were provided in order to prevent contamination of other areas of the building in the event of a security threat. A separate computer room air-conditioning unit was also provided for the central computer center.
- New 277/480 V and 120/208 V, 3 phase, 5-wire electrical distribution system serving panelboards located on each floor of the complex. Receptacles supplying power to sensitive equipment were provided with an isolated ground system to prevent unwanted noise from being passed through the electrical distribution system.
- Energy Efficient Lighting with occupancy sensors for automatic control of the lighting fixtures
- Low flow plumbing fixtures and irrigation systems which uses only captured rainwater resulted in a 39.7% reduction in potable water use

The project incorporated several sustainable concepts and has attained LEED™ Certification. Construction was completed in 2009.

Construction Cost: \$7.5 million

Services: Mechanical, electrical, plumbing, and fire protection engineering services

Sq.Ft.: 40,427

Owner Contact: Glenmark Holdings, LLC, Mr. Nick Colasante, PH: 304-599-3369

Project Reference: U.S. Department of Agriculture, John Pettit, Executive Office, Farm Service Agency, U. S. Department of Agriculture, 1550 Earl Core Road, Suite 102, Morgantown, WV 26505, Ph: 304-284-4881



NEW OFFICE BUILDING

Through a contract with the U.S. General Services Administration, H.F. Lenz Company provided the mechanical, electrical, plumbing, and fire protection engineering services for the design a two-story 19,427 sq.ft. office building in Charleston, West Virginia to house a federal agency. The facility includes forensic evidence labs, work and technology spaces, and vehicle service bays.



The building was designed with energy efficient systems and sustainable design criteria including water conservation, use of regionally manufactured materials, increased ventilation, use of renewable energy sources, and a pre-occupancy construction indoor air quality management plan. The project goal is to meet the requirements of LEED Silver (minimum) and attain an ENERGY STAR rating of 75 or above.

Features of the project include:

- Variable air volume HVAC system consisting of gas-fired rooftop air-handling units with DX cooling and energy recovery, supplemental cooling for specialty areas such as server rooms and areas with concentrated high heat loads. A separate air-handling unit for the mailroom area will minimize any airborne threats. Another HVAC security measure includes the strategic placement of outdoor air intakes to minimize the risk of contaminants being entrained into the building through the outdoor air intake.
- An electrical distribution system that will supply 10 watts/sq.ft. of power to the building, as well as an exterior 50kw standby/emergency generator that will serve the backup power needs.
- A complete data/communications system which includes separate telecommunications closets for the internal system servers that will be used to meet the function of the building. The system features include category 6A horizontal cabling, incoming optical fiber cabling, wire racks and bridal rings for wire management.
- A fire alarm system with a voice/alarm communication system
- An automatic sprinkler system designed to NFPA requirements
- The design of a wet lab area that includes a separate fume hood exhaust system
- Garage bays that are used to modify/examine vehicles
- Building commissioning

Design work was completed in 2010.

Construction Cost: \$6 million

Services: Mechanical, electrical, plumbing, and fire protection engineering services

Sq.Ft.: 19,427

Owner Contact: Glenmark Holding, LLC, Mr. Nick Colasante, Ph: 304-599-3369



H.F. LENZ
COMPANY

*State of West Virginia
Clarksburg, West Virginia*

OFFICE BUILDING

H.F. Lenz Company provided the mechanical, electrical, plumbing and fire protection engineering services for the design of a new 85,250 sq.ft., five-story office building to house seven state agencies.

The building will be equipped with a central geothermal plant in the basement to serve a 4 pipe hot and chilled water piping distribution system in the building. The geothermal plant will extract and reject heat from the geothermal wellfield. This wellfield will contain (90) – 400' deep wells, spaced on 15' centers, installed under the parking areas.



The majority of the building will be served by three VAV modular air handling units located in the building penthouse. A Direct Digital Control (DDC) System will provide the control for the HVAC system. The system will be able to interface with the current system that the State of West Virginia uses to monitor its buildings from a remote location in Charleston, WV. It is anticipated that the HVAC system will perform at 20% better than baseline.

Lighting relay panels will provide 24/7 control of the lighting in the larger areas on the various floors. Relay panels will be installed on all floors except the basement. Vacancy (Occupancy) sensors will be installed in all areas not described above to provide automatic shut off lights. In areas subject to larger amounts of natural light, daylight harvesting sensors will be placed near windows to step-dim (reduce light output to 50%) local light fixtures in response to amount of sunlight present within the space and save energy.

A Main Telecommunications Room (MTR) will be provided and house all the service entrance equipment for signal system demarcation points as well as distribution equipment to provide the buildings signal infrastructure. Intermediate Telecommunications Rooms (ITR), feed from MTR, will be constructed on each floor and contain equipment to distribute signal systems to the end user.

Cameras shall be placed throughout the building to monitor all exits and other high traffic areas. Cameras shall be web-enabled and Power over Ethernet type, Cat 6 cable from camera shall terminate at ITR on appropriate floor. A network video recorder in the MTR will capture all the camera data and provide an output to view camera feeds locally and send a viewing signal to a remote location.

The project will be applying for Silver Certification under LEED standards.

This project is scheduled for bidding in 2012.

Construction Cost: Approximately \$20 million

Services: Mechanical, electrical, plumbing, and fire protection engineering services

Sq.Ft.: 85,250

Owner Contact: State of West Virginia, Mr. David Hildreth, Ph: 304-558-0510, Address: 1409 Greenbrier Street, Charleston, WV 25311



PHASED RENOVATION AND LIFE SAFETY UPGRADES TO WHITE HALL

The H.F. Lenz Company provided mechanical, electrical, plumbing and fire protection engineering services for the phased renovation and life safety upgrades to the 95,500 sq.ft. White Hall. The building, which was originally constructed in 1942 as a high-rise, will house classrooms, laboratories, offices and a 175 seat auditorium. The goal of the first phase of the project was to complete the interior demolition work while the second phase will fit out the shell to match the requirements of the users.



The building will mainly be used by the Physics Department for research and instruction. With the researchers' expanding use of lasers, and the technologies associated with them, the need to design the project with low vibration creating equipment and high power capacity was a top priority.

Flexibility for the laboratories was also a request of the University due to the fact that researches, and researchers, are constantly changing and they needed to be able to quickly adapt to these changes. Therefore, each lab was fitted with a 400A-3 phase-208V panelboard and surface mounted raceway around the perimeter of the room that allows for receptacles to be placed wherever they may be required in the future. Electrical busway with capacity for future taps were provided vertically through the building and taps provided at the electrical closets on each floor for additional panelboards to be added in the future. Compressed air outlets were installed around the perimeter of the labs as well to provide an outlet in close proximity to the experiment regardless of where in the room it may be needed.

Additional project features included:

- 600 kw emergency/standby generator to provide power to the life safety equipment in the building as well as power to the researchers.
- 50,000 cfm fume exhaust fans. They are arranged so that if one fan is not working, the other fan has the capacity to carry the needs of the system.
- Addressable, voice evacuation, fire alarm system
- VAV fume hood exhaust system that provides energy savings by reducing the flow through the exhaust system when the hoods are not in use
- Design of a 1000 sq.ft. Computer Cluster Room with specialized cooling and conditioned power designed to process terabytes of data

Construction was completed in 2011.

Construction Cost: \$21 million

Services: Mechanical, electrical, plumbing, and fire protection engineering services

Sq.Ft.: 95,500

Owner Contact: West Virginia University, Mr. John Sommers, Ph: 304-293-8811 Address: West Virginia University Physical Plant, 979 Rawley Lane, Morgantown, WV 26506-6572



REFERENCES 4.2.4

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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