



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

**Solicitation**

NUMBER
DEFK13010

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
05/01/2013

BID OPENING DATE: 05/30/2013 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		906-00-00-001		
SION SERVICES  EXPRESSION OF INTEREST (EOI)  THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, DIVISION OF ENGINEERING & FACILITIES, WV ARMY NATIONAL GUARD, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL DESIGN SERVICES FOR A MEDICAL COMMAND FACILITY, TROOP MEDICAL CLINIC LOCATED IN CHARLESTON, WV, PER THE FOLLOWING BID REQUIREMENTS AND ATTACHED SPECIFICATIONS.  ATTACHMENTS INCLUDE:  DEFK13010 EXPRESSION OF INTEREST INSTRUCTIONS TO VENDORS SUBMITTING BIDS GENERAL TERMS AND CONDITIONS CERTIFICATION AND SIGNATURE PAGE PURCHASING AFFIDAVIT  ***** THIS IS THE END OF RFQ DEFK13010 ***** TOTAL: _____  05/30/13 10:09:51 AM West Virginia Purchasing Division						

SIGNATURE 	TELEPHONE 304-296-8216	DATE May 29, 2013
TITLE President and COO	FEIN 55-0516286	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 29, 2013

(Date)



State of West Virginia  
 Department of Administration  
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 ARMORY BOARD SECTION  
 1707 COONSKIN DRIVE  
 CHARLESTON, WV  
 25311-1099 304-341-6368

DATE PRINTED
05/22/2013

BID OPENING DATE: 05/30/2013 BID OPENING TIME 1:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDENDUM NO. 1		
				SEE ATTACHED PAGES - TO CLARIFY BID OPENING DATE.		
				END OF ADDENDUM NO. 1		
0001	1	JB		906-00-00-001		
				SIOH SERVICES		
***** THIS IS THE END OF RFQ DEFK13010 ***** TOTAL:						

SIGNATURE <i>[Signature]</i>	TELEPHONE 304-296-8216	DATE May 29, 2013
TITLE President and COO	FEIN 55-0516286	ADDRESS CHANGES TO BE NOTED ABOVE

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

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: DEFK13010**

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

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

**Addendum Numbers Received:**

(Check the box next to each addendum received)

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input type="checkbox"/> Addendum No. 2            | <input type="checkbox"/> Addendum No. 7  |
| <input type="checkbox"/> Addendum No. 3            | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4            | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5            | <input type="checkbox"/> Addendum No. 10 |

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

Alpha Associates, Incorporated

Company



Authorized Signature

5/29/13

Date

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



May 30, 2013

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

Attn: Ms. Tara Lyle

**Re: Request for Solicitation DEFK13010  
MEDCOM Facility Build-Out Design**

Dear Ms. Lyle,

Alpha Associates, Incorporated is pleased to submit our qualifications to provide architectural and engineering design services for a Medical Command Facility, Troop Medical Clinic for the West Virginia National Guard. Alpha has completed the design of several medical facilities throughout our more than 44 years of experience. When you choose Alpha to be your design partner, you receive a dedicated team of professionals with the expertise and experience needed to complete your new facility, as well as a team who is intimately familiar with working with the West Virginia Army National Guard.

The most recent project that Alpha had the pleasure of working with the WVANG on was the renovations to the Parkersburg Armory. We are looking forward to continuing to build upon our relationship by being your design partner for the new Medical Clinic located in Charleston.

Alpha recently opened a new office on Kanawha Boulevard in Charleston. This is the office that your new Medical Clinic will be serviced from. Staff members will be readily available to you whenever you need them. Rebecca Key, who will serve as Project Architect for the project manages the Charleston office and can be on-site for project meetings, site visits, or whenever she is needed within a matter of minutes.

Alpha's staff has completed renovations, additions and new construction projects for multiple medical facilities including the Physician's Office Center, Monongalia General Hospital, Ruby Memorial Hospital, Sundale Nursing Home, West Virginia University, Robert C. Byrd Health Sciences Center, Mary Babb

Randolph Cancer Center, Harpers Ferry Medical Clinic and Reynolds Memorial Hospital. Detailed project specific information is included herein for your review. We are currently completing the design for a medical clinic to be place at the Lewis County High School site.

Alpha's experience working with the WVANG combined with our medical experience and our office proximity to the project site makes us the perfect design partner for you on this project.

Alpha will provide architectural design and structural engineering design for the MEDCOM Facility Build-Out. To better serve your needs we have included H.F. Lenz Company, located in Johnstown, PA to provide Mechanical, Electrical and Plumbing Engineering design services as part of our team. Alpha and Lenz have produced multiple projects together over the past 19 years. Lenz has provided engineering services for over \$75 million of construction for the U.S. Army, National Guard, and Corps of Engineers. Their multitude of experience, along with the team synergy we have developed over the years will be an added benefit to your project.

Together, Alpha and Lenz will work hand-in-hand with you to ensure your project is completed on schedule and within budget. Alpha is confident in our Team's ability to create a design that will exceed your expectations.

Alpha looks forward to working with the WV Purchasing Division and the WVANG to complete the new MEDCOM Facility Build-Out. Our current workload will allow us to begin the design immediately upon your approval. We look forward to discussing the project in more detail with you. If you have any questions please contact me at 304-296-8216, extension 102.

Sincerely,

**ALPHA ASSOCIATES, INCORPORATED**



Richard A. Colebank, PE, PS  
President and COO  
[rick.colebank@thinkalphafirst.com](mailto: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 Blvd. 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  
Steven V. Buchanan, PE, PS; Principal  
Matthew S. Breakey, AIA, LEED-AP; Principal  
Charles B. Branch, PE; Principal

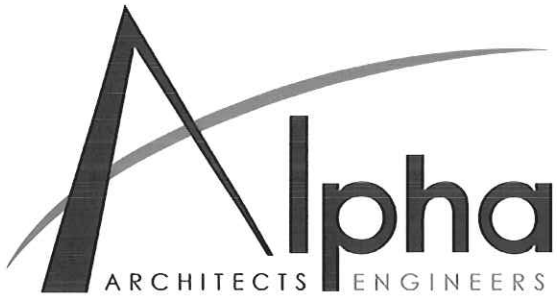
#### NUMBER OF EMPLOYEES

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.



## ALPHA'S HISTORY

Alpha Associates, Incorporated, is an architectural and engineering firm that provides services in the areas of architectural design, civil engineering, structural engineering, interior design, landscape design, construction administration, project management, and surveying. Our clients benefit from our unique combination of extensive design and construction experience, advanced technical tools, dedicated principals and highly skilled staff members.

Since 1969, Alpha has provided architectural and engineering design services throughout the state of West Virginia. Our work is diverse and includes clients in commercial, educational and governmental facilities, developers and private organizations. Alpha's architects and engineers have recent, relevant project experience that will enable your project to be completed on time and within budget.

Alpha's philosophy has always been to provide exemplary services for fair fees. We have always believed that the best way to succeed as a business is to go above and beyond the basic requirements of our contracts and do whatever is necessary to successfully complete the given project. What is best for the client is inevitably best for us too.

Everyone at Alpha, from the President to the administrative staff, all work towards the goal of completing successful projects. Our principals are involved with projects from the earliest stages right through final completion and beyond. They will consistently update you on your project by using effective communication tools to manage the projects and all the involved parties. Our skilled staff of 33 architects, engineers, surveyors and administrative personnel all work diligently towards producing the drawings and specifications that will deliver our clients successful projects, completed on time and within budget.

Alpha has thrived for 44 years because we are a professional organization dedicated to providing superior architectural and engineering design services to our clients. While our staff is large enough to handle any size project, we are also small enough to give each and every one of our projects the individual attention to detail that will make them successful projects for our clients. The Alpha our clients have been able to rely on since 1969 is the same Alpha our clients can continue to rely on for many more years to come.





## PROJECT MANAGEMENT

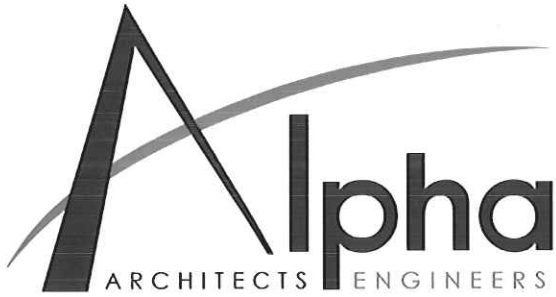
Alpha Associates, Incorporated is an Architectural and Engineering firm that provides services in the areas of Architectural Design, Civil Engineering, Structural Engineering, Interior Design, Surveying, Construction Administration, and Project Management. Our work is diverse and includes clients in medical, commercial and residential, educational and governmental facilities, developers and private organizations. Alpha's architects and civil and structural engineers have recent, relevant project experience that enables projects to be completed on time and within budget.



Alpha is a principal driven company with a staff that is large enough to handle any size project, yet small enough to provide the personal detail and supervision to successfully complete your project. We are available to you long after the completion of your project. Our staff is committed to working with an established project time frame and budget.

Alpha works under a project management system wherein each project is assigned a project manager and a principal of the firm. Internal monthly project management meetings serve as a tool to discuss the preceding weeks' activities, planned activities, project budgets, and estimated time schedules and personnel utilization. Adherence to this process helps to insure that a client's concerns are addressed in a timely fashion aiding in the delivery of a successful project.

Prior to releasing projects for bidding and construction, each project receives a Principal's review. The Principal-in-Charge of the project and the Project Manager conduct the review, which involves a complete evaluation of all internally produced and consultant produced construction documents. Alpha's construction administration staff performs a second assessment to examine constructability and coordination issues from the perspective of the construction field staff. Alpha will also use a "redi-check" system to ensure quality control on the project is maintained.

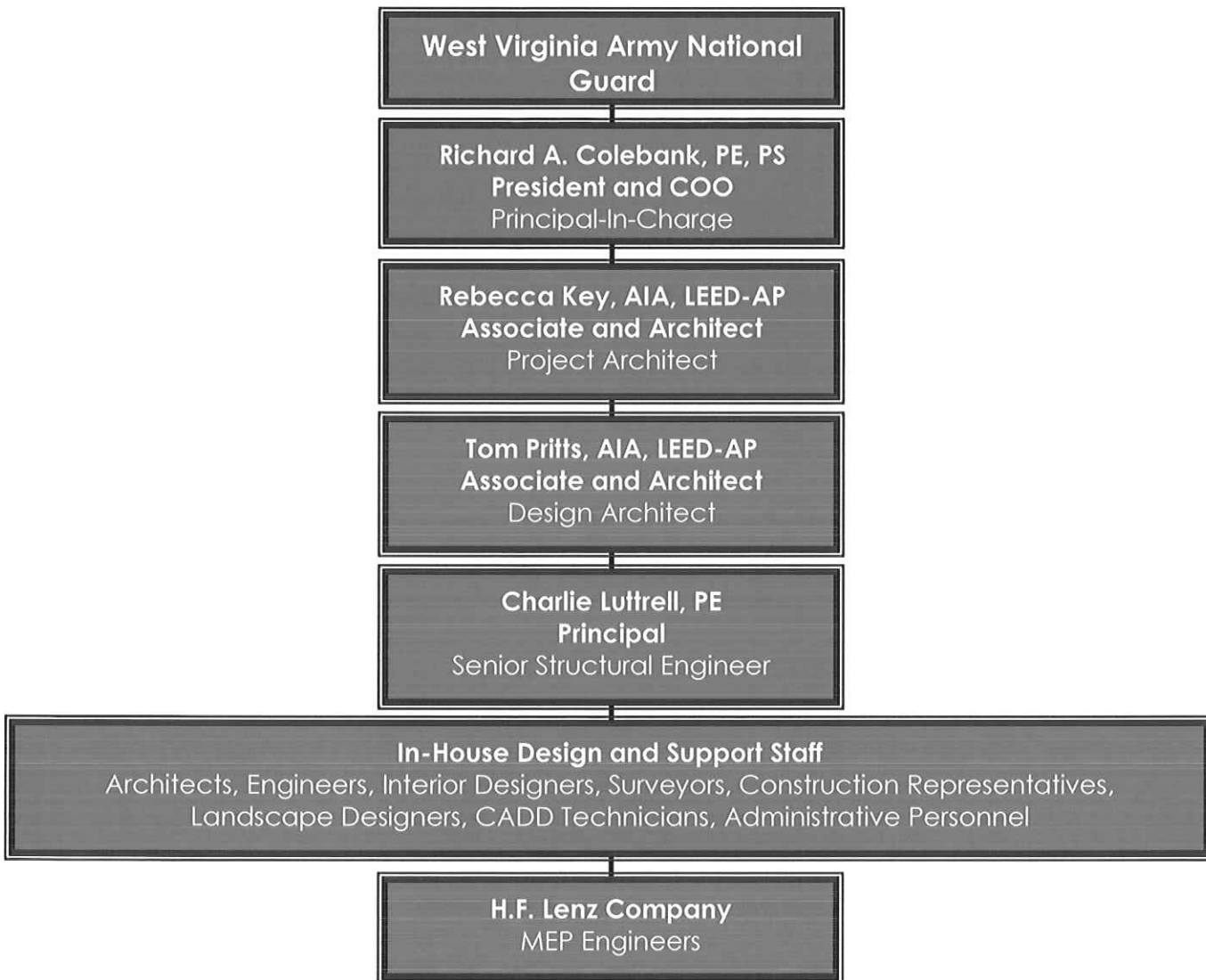


In addition to project management meetings, design principals meet every four weeks to review all project schedules and all personnel utilization. Alpha's project managers and staff work daily with simultaneous projects and understand the importance of time management and prioritization. The Project Managers work together to organize and allocate each staff member's resources. Alpha understands that each specific project is the top priority to that individual client.

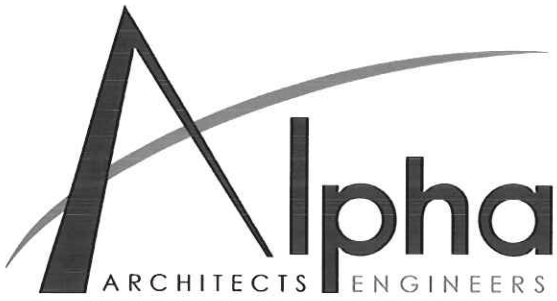


That is why Alpha is committed to your project and assures that all necessary means are taken to ensure that your project is completed on time. This results in the overall best use of personnel in order to complete all projects on time.

Your project benefits from the unique combination of convenient access, extensive experience, key owner/principal commitment, and a competitive price structure. Select Alpha Associates, Incorporated for a well coordinated, timely and high quality project.



As shown above, Richard Colebank, PE, PS will serve as the Principal-In-Charge for the new MEDCOM Facility Build-Out. 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 25 years with the firm including other medical facilities. 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.



Rebecca Key, 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 MEDCOM Facility Build-Out design. Tom Pritts, AIA, LEED-AP will assist Rebecca 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 MEDCOM Facility Build-Out. 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 your new facility.



## 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

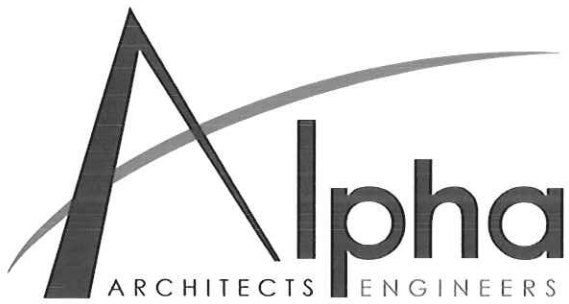
### PROFESSIONAL HIGHLIGHTS

#### 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



## 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

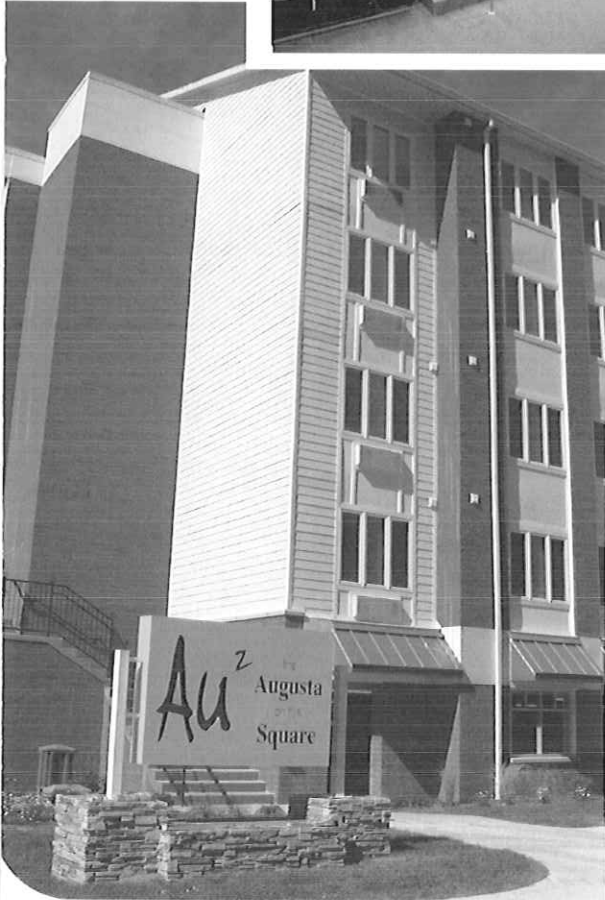
Broad-based responsibilities in the following areas:

- 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

Contact

Rebecca Key

304.296.8216

800.640.8216

rebecca.key@thinkalphafirst.com

think  first.com



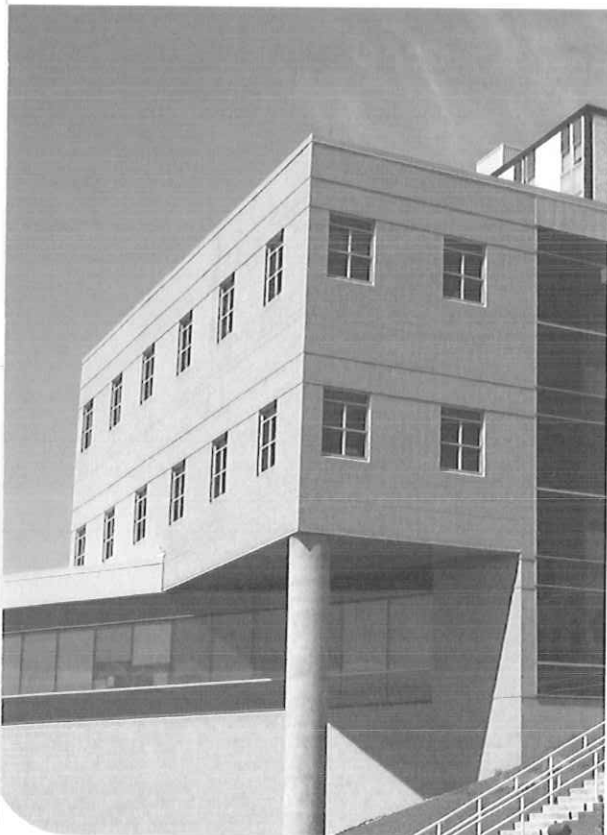


## ALPHA RESUMES

**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

- 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, Basement Renovation, WVU
- Engineering Sciences Building Nan/Microtechnology Lab; WVU
- Potomac State College, McKee Arts Center Plaza; Keyser, WV

#### K-12 Educational Facilities:

- Washington High School; Charles Town, WV
- Cheat Lake Elementary School Renovation; Morgantown, WV
- Monongalia County Schools – School Access Safety; Morgantown, WV
- Pineville Elementary School; Wyoming County, WV

#### Miscellaneous:

- Fairmont Federal Credit Union; Bridgeport, WV
- Clear Mountain Bank, Reedsville Branch; Reedsville, WV
- Ridgeley Community Center; Ridgeley, WV
- Clear Mountain Bank, Oakland Branch; Oakland, MD
- Jefferson County Emergency Operations Building; Ranson, WV
- Berkeley County Ambulance Authority; Martinsburg, WV
- Eastern Panhandle Transit Authority Renovation; Martinsburg, WV
- Eastern Management Development Center; Shepherdstown, WV
- Yellow Brick Bank; Shepherdstown, WV
- Independent Fire Station; 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

Contact

Thomas Pritts  
304.296.8216  
800.640.8216

[tom.pritts@thinkalphafirst.com](mailto:tom.pritts@thinkalphafirst.com)

think  first.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

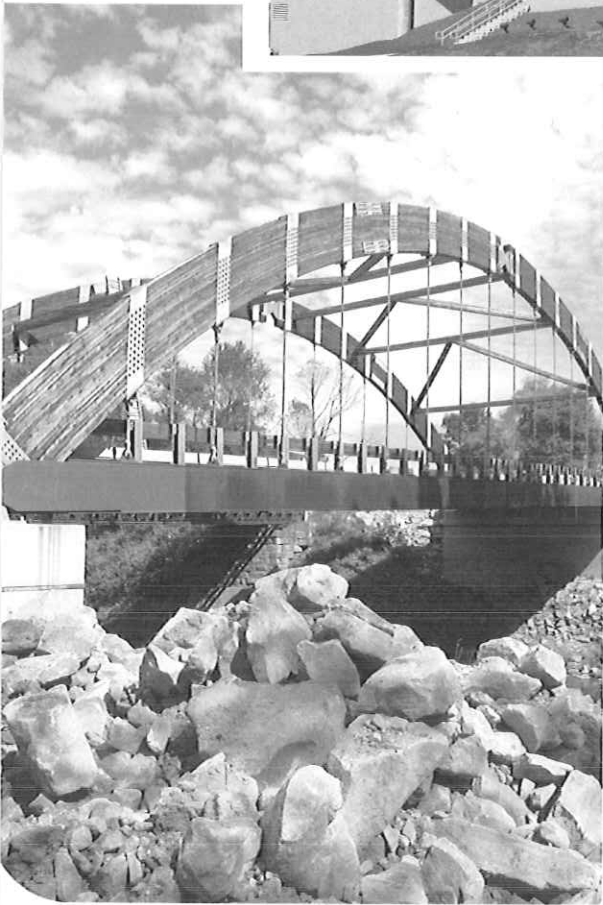
Broad-based responsibilities in the following areas:

- 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, Maryland, Pennsylvania

### AFFILIATIONS

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

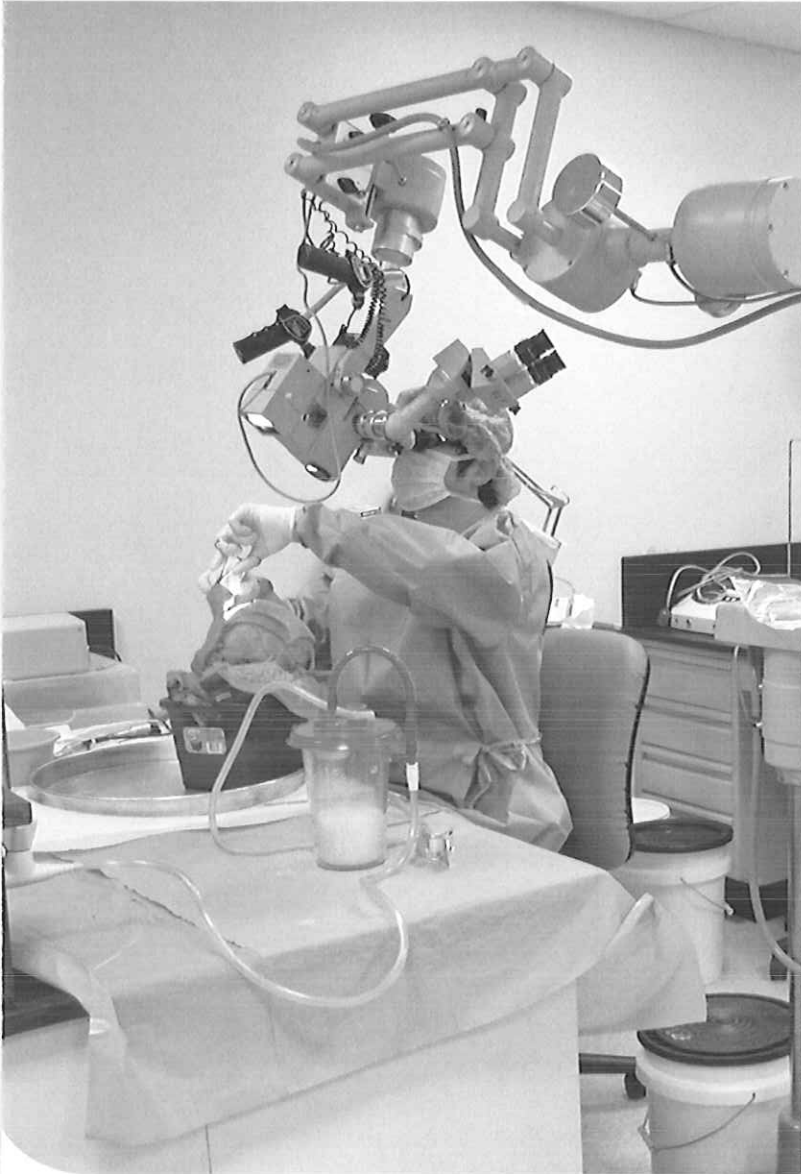
### Research Experience

- 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

### Contact

Charles B. Luttrell  
 304.296.8216  
 800.640.8216

[charlie.luttrell@thinkalphafirst.com](mailto:charlie.luttrell@thinkalphafirst.com)



ALPHA EXPERIENCE

Health Sciences – Cranial Laboratory | 2003

Educational Case Study

WVU Robert C. Byrd Health Sciences Center
Cranial Laboratory
Morgantown, WV

Alpha provided architectural design services for this renovation project at the WVU Health Sciences Center. The purpose of this renovation was to create a teaching and research laboratory for students and physicians. The space includes one cranial laboratory, two animal procedure rooms, a storage facility and a locker room.

This unique laboratory space utilized state of the art equipment and casework to serve the needs of the researchers utilizing the space.

Project Contact:

Gary Miller

Po Box 9004

Morgantown, WV 26506

304-293-6924

At a Glance

CLIENT: West Virginia University
RCB HSC

LOCATION: Morgantown, WV

COMPLETION DATE: 2003

SIZE: 2,655 Sq. Ft.

CONSTRUCTION COST: Completed Internally





## ALPHA EXPERIENCE

Health Sciences - Eastern Division | 2006

### Educational Case Study

WVU Robert C. Byrd Health Sciences Center  
Eastern Division  
Martinsburg, WV

Alpha designed the architectural and structural engineering aspects of the new two-story structure of 36,650 sq. ft. Alpha also designed the civil engineering aspects of this challenging site in Martinsburg, WV.

The site, approx. 2.5 acres, presented challenges of its own including a unique underground stormwater management system to maximize the usable acreage.

An architectural highlight of the structure is a clearstory lobby serving a 200 seat auditorium with high tech features. Also included are classrooms, storage rooms and meeting rooms. A large computer-based study area is also included that will allow for more than 150 students to utilize the space at one time.

Project Contact:  
Leonard Lewis  
P.O. Box 9004  
Martinsburg, WV 26506  
703-293-6924

#### At a Glance

CLIENT: West Virginia University  
RCB HSC

LOCATION: Martinsburg, WV

COMPLETION DATE: 2006

SIZE: 36,650 Sq. Ft.

CONSTRUCTION COST: \$4.8 Million

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ALPHA EXPERIENCE

SIMS Center | 2009

## Educational Case Study

Robert C. Byrd Health Sciences Center -  
SIMS Center

Morgantown, WV

Alpha Associates, Inc. provided architectural design services for this renovation project at the Health Sciences Center North. The new simulation center includes office space, staff support space, two classrooms that can be joined to form one large classroom, and two debriefing rooms that can also be used for hands-on instruction as well as additional class space. Four mannequin simulation labs were also created, in conjunction with an observation room. This allows for observation of students and participants. These rooms can also be opened or divided to form different spaces.

### Project Contact:

Leonard Lewis

Po Box 9004

Morgantown, WV 26506

304-293-6924

### At a Glance

CLIENT: WVU RCB HSC

LOCATION: Morgantown, WV

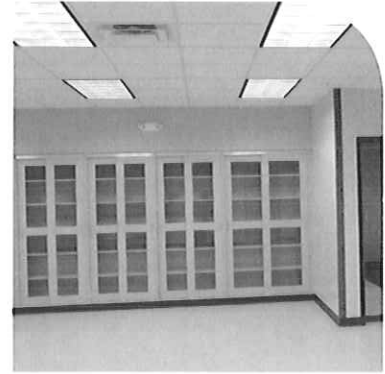
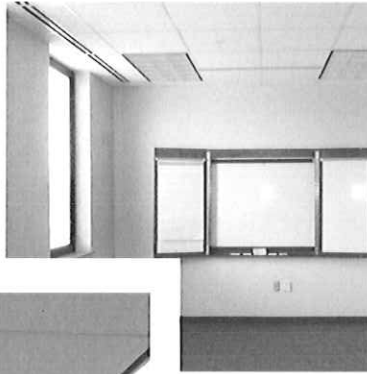
COMPLETION DATE: 2009

SIZE: 6,705 Sq. Ft.

CONSTRUCTION COST: \$1.25 Million

FEE: \$173,026

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ALPHA EXPERIENCE

Pharmacy Build-Out | 2010

### Educational Case Study

WVU Robert C. Byrd Health Sciences Center Eastern Division Pharmacy Build - Out  
Martinsburg, WV

Alpha Associates, Inc. provided architectural design for the interior build-out of existing shell space for the West Virginia University Robert C. Byrd Health Sciences Center Eastern Division. The space is to be used by the WVU School of Pharmacy to expand their program to the Eastern Panhandle. The space includes a teaching lab with storage area, office space, conference room, administrative area and support facilities

Project Contact:  
Leonard Lewis  
P.O. Box 9004  
Martinsburg, WV 26506  
703-293-6924

#### At a Glance

CLIENT: West Virginia University  
LOCATION: Martinsburg, WV  
COMPLETION DATE: 2010  
SIZE: 2,500 Sq. Ft.  
CONSTRUCTION COST: \$384,000  
FEE: \$36,000







### ALPHA EXPERIENCE

Ruby Memorial Hospital | 2003

## Medical Case Study

### Ruby Memorial Hospital Emergency Room - Addition and Renovation

Morgantown, WV

Ruby Hospital had only one vacant area in which to create an expansion to its already too small emergency facilities. Alpha successfully inserted the new two and a half story addition between two existing buildings and an elevated pedestrian bridge. The site was steep and confined; an elevated floor slab was used at the main floor, creating a large enclosed mechanical room on the lowest level eliminating the need for roof top units on the addition.

The addition replicated many of the same architectural elements of the adjacent structures, so as to appear of the same time and materials as the existing hospital buildings.

The addition was completed first to accommodate the 24/7 emergency room services, while the existing emergency room was remodeled with larger waiting areas and more exam rooms.

There were no interruptions to medical care during the expansion and remodeling.

#### Project Contact:

Alexis Behrens

P.O. Box 8059

Morgantown, WV 26506

304-598-4125

#### At a Glance

CLIENT: WVU Hospitals, Inc.

LOCATION: Morgantown, WV

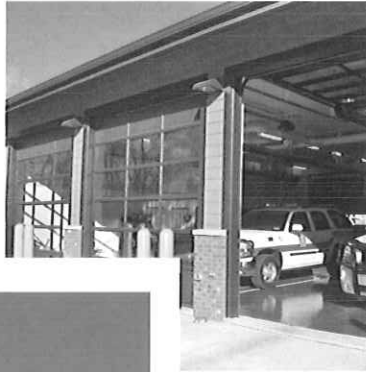
COMPLETION DATE: 2003

SIZE: 5000 sq ft addition

10,000 sq ft renovation

CONSTRUCTION COST: \$1.9 Million





**ALPHA EXPERIENCE**

**Emergency Services Agency | 2010**

**Architectural Case Study**

**Jefferson County Emergency Services Agency**

Ranson, WV

Alpha Associates, Incorporated provided architectural design, civil and structural engineering and surveying services for a new Operations Center for the Jefferson County Ambulance Authority. The building contains:

- Vehicle Bays
- Sleeping Quarters
- Training Room
- Office Spaces

The building was designed to blend into the surrounding development and to have a civic presence.

**Project Contact:**

**Pete Kelley**

**419 Sixteenth Avenue**

**Ranson, WV 25438**

**304-728-3287**

**At a Glance**

**CLIENT:** Jefferson County Ambulance Authority

**LOCATION:** Ranson, WV

**COMPLETION DATE:** 2010

**SIZE:** 6,750 SF

**CONSTRUCTION COST:** \$1.2 Million





ALPHA EXPERIENCE

Mon General Hospital | 2011

## Medical Case Study

### Monongalia General Hospital Addition and Renovation

Morgantown, WV

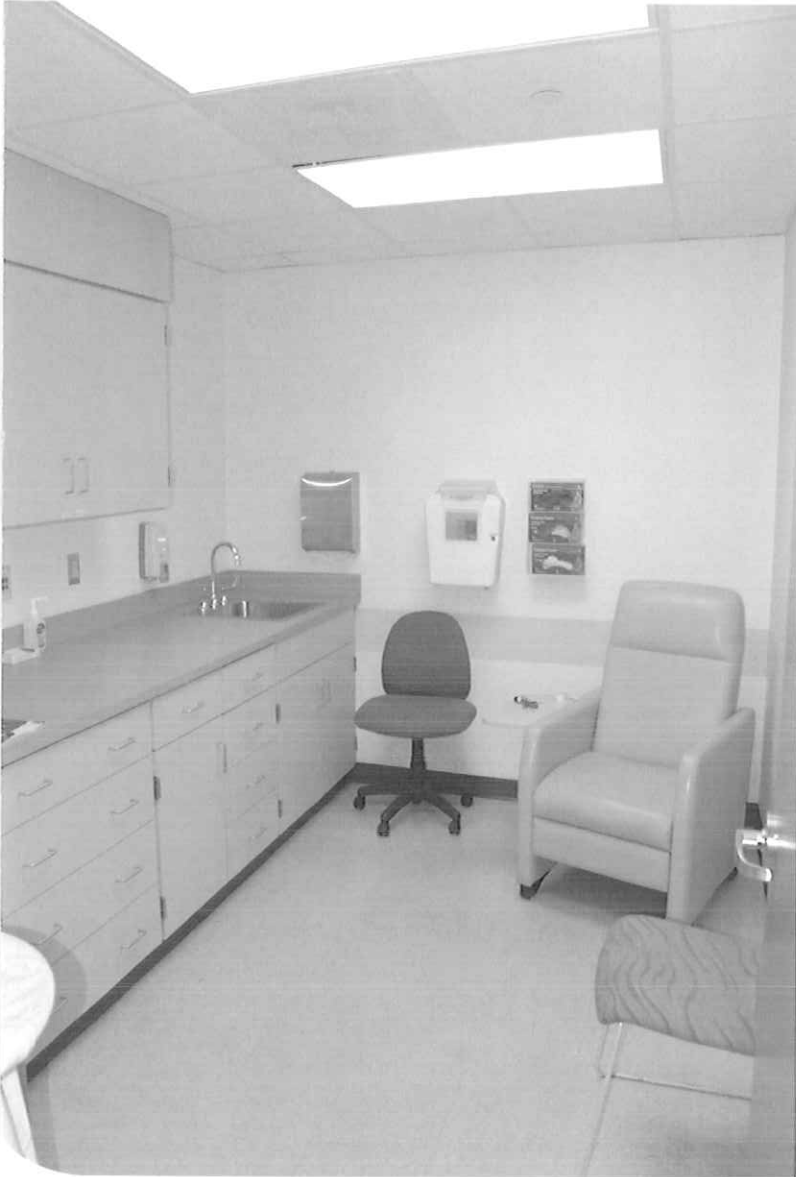
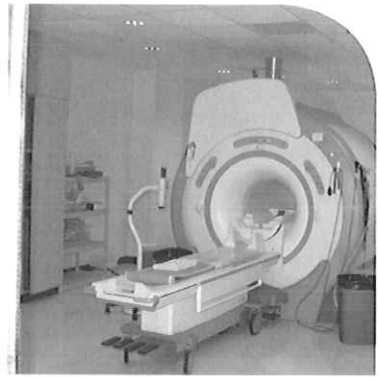
Alpha Associates, Incorporated teamed with architectural firm, Freeman White and construction firm, Turner Construction to provide Civil Engineering services for an expansion project for Monongalia General Hospital. This project included alterations to the parking area and entrance road. Alpha's services included site design services for parking lot reconfiguration, stormwater management design and utility upgrades.

Project Contact:  
Dan Wheeler  
200 JD Anderson Drive  
Morgantown, WV 26505  
404-598-1226

#### At a Glance

CLIENT: Monongalia Health Systems  
LOCATION: Morgantown, WV  
COMPLETION DATE: 2011  
SIZE: Multiple Projects  
CONSTRUCTION COST: \$70 Million

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### ALPHA EXPERIENCE

**Physician's Office Center** | Multiple Phases

## Medical Case Study

**Physician's Office Center - University Health Associates**

Morgantown, WV

Alpha provided architectural services to renovate portions of the first, second and third floors of the Physician's Office Center.

The eye clinic and dentistry clinic located on the first floor were completely renovated to accommodate the relocation of the Ear Nose and Throat Clinic from the second floor and to construct a new MRI Center. The project was phased so that all departments were minimally affected and still be able to fulfill patient needs.

The second floor was renovated to enlarge the existing Departments of Pediatrics and Orthopedics clinic spaces, as well as add an additional X-Ray room for the Radiology Department.

The third floor renovation included enlarging spaces, addition of casework, and selective demolition and remodeling for the Department of Medicine Clinics.

#### Project Contact:

**Paul Chico**

**PO Box 782**

**Morgantown, WV 26506**

**304-598-6834**

#### At a Glance

**CLIENT:** University Health Associates

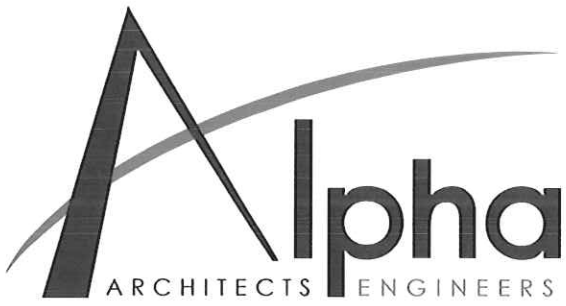
**LOCATION:** Morgantown, WV

**COMPLETION DATE:** Multiple Phases

**SIZE:** Multiple Areas

**CONSTRUCTION COST:** Multiple Projects Under One Contract

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### ALPHA EXPERIENCE

Laboratory Experience | Since 1969

## Laboratory Case Studies

WVU Robert C. Byrd Health Sciences Center  
Morgantown, WV

When our firm began in 1969, WVU Health Sciences Center was one of our first clients. Since that time we have completed nearly one million square feet of design services including numerous laboratories. Some of those projects include:

- Betty Puskar Breast Care Center
- Same Day Care Unit
- Dental Clinic
- Family Clinic
- MRI Support Facility
- Cranial Laboratory
- Vivarium Laboratory
- Physiology Laboratory
- Orthopedic Laboratory
- Micro-Pathology Laboratory
- Mass Spectrometer Laboratory
- Animal Quarter's Laboratory
- Pathology Laboratory
- Otolaryngology Laboratory
- Pharmacology Laboratory
- Biochemistry Laboratory
- Simulation Laboratory
- Neurosurgery Laboratory

Project Contact:  
Leonard Lewis  
P.O. Box 9004  
Morgantown, WV 26506  
404-293-6924

### At a Glance

CLIENT: West Virginia University  
RCB HSC

LOCATION: Morgantown, WV

COMPLETION DATE: Multiple Projects

SIZE: Multiple Projects

CONSTRUCTION COST: Multiple Projects

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#### FIRM PROFILE

The H.F. Lenz Company has been providing a full range of engineering services for building systems, infrastructure, and industry for over 67 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 175 employees, including 48 Professional Engineers licensed in a total of 50 states and DC and office locations in Johnstown, Pennsylvania (headquarters) and branch offices in Pittsburgh, Pennsylvania and Conneaut, Ohio.



#### EXPERIENCE WITH DOD FACILITIES AND FEDERAL AGENCIES



H.F. Lenz Company has a wide variety of experience with DOD facilities and state and federal agencies. We currently hold an indefinite delivery contract (IDC) with the Pennsylvania National Guard, we have held 7 consecutive

IDCs for the **U.S. Army Corps of Engineers**, Baltimore District, for projects at Letterkenny Army Depot, as well as two indefinite delivery contracts with **U.S. Air Force** for projects at the 911th Airlift Wing in Pittsburgh, two IDC's for **CDC/NIOSH** for projects in Pittsburgh and Morgantown, and our new nationwide contract for **NETL** which has included projects at various sites. In addition, we have held three IDC contracts with the **National Park Service**, 13 with **GSA** and one with **SSA**.

#### HEALTHCARE FACILITIES EXPERIENCE

Our health care experience includes hospitals, nursing homes, assisted living facilities, laboratories, and medical office suites. Projects range in size from 500 to 850,000 sq.ft., are wide-spread throughout the eastern states, and total anywhere from \$5,000 to \$130,000,000.



We have been providing engineering services to health care facilities for most of our 67 years of operation. Tim Earhart, P.E., mechanical engineer for this contract, has been working with the Department of Veterans Affairs and VA Medical Centers for over 20 years, predominately at the Philadelphia VA Medical Center. Tim is a retired veteran of the Air Force with 20 years of service. His career field is Civil Engineering and during his time in active duty and reserves he served as Resource (Force) Protection Officer for the various squadrons and participated in many exercises involving chemical attacks.

Tim has been a member of the Healthcare Subcommittee of ASHRAE Technical Committee 9.6, Healthcare, from 2003 to 2007 and is currently a corresponding member. In early 2004, the



subcommittee worked on, and published, the first Healthcare HVAC Design Guide. The committee's agenda is aggressive and will be addressing many current issues including SARS, operating room ventilation, risk analysis, filtration and UV lighting, and others.

Tim has significant experience with the Veterans Administration and has provided leadership on high profile issues in healthcare, including indoor air quality, isolation room guidance, and application of unfolding antiterrorism and force protection.

**RECENT VETERANS AFFAIRS MEDICAL CENTER PROJECTS (LAST 5 YEARS)**

**Clarksburg, WV VAMC**

- New Parking Garage, 4th Floor Behavioral Health, Fire Alarm Upgrade
- Behavioral Health Renovation for Unit 4A & C
- Behavioral Health Renovation for Unit 4B

**Huntington, WV VAMC**

- Renovation of Psychological Residential Rehabilitation Treatment Program (PRRTP) and new 17,000 sq.ft. Rehab Facility

**Erie, PA VAMC**

- Renovation of Long-Term Care Nursing Home
- Electrical Master Plan
- Specialty Clinical Renovations

**Coatesville, PA VAMC**

- New Hospice Unit

**Pittsburgh, PA VAMC**

- ICU Addition
- Add Chiller/Replace Cooling Towers
- Water Storage System

**Castle Point VAMC**

- Commissioning on Behavioral Health Renovation

**Lebanon, PA VAMC**

- New Behavioral Health Facility

**Philadelphia, PA VAMC**

- PET/CT Cabinet Renovations
- PET/CT Scan Field
- PET/CT Chiller Redesign
- Megavolt Project
- Linear Accelerator/Simulator
- Boiler Plant Conversion
- CT Electrical Study
- Emergency Generator for Nursing Home
- Steam System Upgrades
- Angio Suite Renovations
- MRI Suite Renovations
- New Angio Suite
- CT Scan Renovation
- Specialty Clinics Renovation
- Boiler Plant Gas Service
- Patient Processing Area Renovation
- Emergency Department Renovation
- Condensate Pump Replacement
- Replace OR AHUs 23 & 23 in Bldg 2
- Condensate System Phase II
- Chiller Replacement and New Line to Research Building
- OR Chiller Replacement (9th Floor, Bldg 2)
- Chilled Water System Upgrades - Replacement of Chillers in Bldg 31
- Clinical Lab Renovation, Women's Clinic Renovation
- Canteen Renovation, Medical Records Renovation, New Elevator Bldg 1

In addition to heading our current VA projects, Tim also serves as Principal-in-Charge for our current contracts as Engineer-of-Record for Indiana Regional Medical Center, and The Heritage Valley Health System – The Medical Center and Sewickley Valley Hospitals.



**West Virginia University Heart Institute  
Building 600 Suncrest Towne Centre  
Morgantown, West Virginia**

H.F. Lenz Company provided the mechanical, electrical, plumbing, and fire protection engineering services for a new \$6 million design/build 30,000 sq.ft. medical office building, constructed in 2009.



Subsequently, we were contracted to provide the engineering services for the tenant fit-out of approximately 15,000 sq.ft. of the building to house the WVU Heart Institute, which provides diagnostic procedures, minimally invasive interventions, cardiac rehabilitation and heart disease management programs. The building houses a radiology area, blood draw stations, stress test area, echocardiogram suites, exam rooms, and a cardiac rehabilitation center with fitness center and various classrooms.



The new state-of-the-art facility was needed to consolidate the clinical services that had previously been taking place in various areas on the Health Sciences Center campus.

The remaining 15,000 sq.ft. of the building consists of office space for medical and interventional cardiologists, surgeons, radiologists, vascular specialists, as well as a dermatologist, and other medical practitioners.

The HVAC system is served by roof mounted Variable Air Volume (VAV) units with central distribution ductwork throughout the building. Zoning and temperature control is accomplished by VAV terminals located above ceilings, which provide both heating and cooling. The building is fully sprinklered.

The \$1.5 million tenant fit-out project was completed in early 2010.

**Contact:** Alexis Behrens, ASID 304/598-4125





**Martinsburg Medical Office Building, Tri-State Professional Complex  
Martinsburg, West Virginia**

H.F. Lenz Company provided the mechanical, electrical, plumbing, and fire protection engineering services for a new 42,000 sq.ft. medical office building that houses The Center For Orthopedic Excellence, Tri-State Surgery Center and Premier Physical Therapy and includes additional space for future tenants. The building features various outpatient and clinical spaces and a rehabilitation area with a therapy pool.



The mechanical systems for the facility consisted of Carrier Rooftop Air Handling Units with gas burners and direct expansion cooling. Ductwork was distributed vertically in shafts from the roof top units. A carrier VVT digital control system with electrically modulated dampers distributed the required air to each temperature control zone. Duct mounted electric reheat coils were installed in the ductwork to temper the code required minimum air flow preventing overcooling of the zones.

H.F. Lenz Company also provided the engineering services for the 11,660 sq.ft. Martinsburg Outpatient Surgery Center, which is connected to the medical office building via a connecting corridor/bridge. This facility houses four class C operating theatres, two were fit out and two were shelled for future use. Each Class C operating room in the surgery center was approximately 480 sq.ft.. The OR's included medical gases; oxygen, vacuum and medical air per code. The project also included pre and post operatory recovery areas capable of supporting 5 pre-operatory patients and 12 post operatory patients, scrub areas and sterile storage areas. The surgery center mechanical system was a roof mounted air handling unit and variable volume electric reheat system utilizing York equipment. Code required filtration was provided in the air handling equipment.

Both facilities were fully sprinkled and had code required emergency power systems. Construction was completed in 2006.

**Contact Information:** Dr. Foster 304/267-0556

**Project Owner:** KFC Enterprises



**Wheeler Family Medical Center, Somerset Hospital  
Somerset, Pennsylvania**

H.F. Lenz Company provided the mechanical, electrical, plumbing, fire protection, communications and medical gas engineering services for a design/build, 46,000 sq.ft. facility that houses medical clinics, optometry clinic, audiology clinic, radiological/imaging areas, physical therapy areas including a rehabilitation pool, occupational therapy, fitness/sports training, cardiac rehab, and work hardening therapy area, laboratory space, administration areas, server room. The project also included the design of building information systems which linked the facility to the main hospital across the street and other off-site facility.



The project was completed on-time and on budget (with one owner requested scope increase), however the project had a very tight budget (approximately \$16 sq.ft. for HVAC), which required HFL to provide a very streamlined design of the HVAC system which included reducing the zoning and including a plenum return. HFL worked with the owner and construction management firm to value engineer the project, the owner requested PVC piping instead of cast iron and deleted the DDC controls systems, opting for local controls instead. These options reduced the estimated construction cost by nearly \$50,000. The project was completed in 2008.

**Contact Information:** Mr. George Dively 814/443-5126

**Blairsville Ambulatory Surgery Center  
Indiana Regional Medical Center  
Blairsville, Pennsylvania**

H.F. Lenz Company provided mechanical, electrical, plumbing, fire protection, civil and structural engineering services as a sub consultant for a new 30,000 sq.ft. design/build Ambulatory Care Center with expansion capacity for an additional 12,000 sq.ft.. The 1-story above grade facility houses medical clinics, urgent care, radiological areas, physical therapy areas including a rehabilitation pool and a Center for Orthopedic & Sports Medicine (COSM), laboratory space, administration areas, and server and UPS cabinets. The project included an atrium with natural lighting and occupancy sensors for energy efficiency. H.F. Lenz Company also provided the engineering services for the data/telephone, and general security systems for the building. The building housed multiple tenants and significantly different types of functions. The building was divided into zones and the mechanical systems were set up to accommodate all zones. The control systems were sequenced to minimize energy consumption and equipment located to be highly accessible. The control systems were connected to the main hospital for monitoring. The \$6.6 million project was constructed in 2009.



**Contact Information:** Mr. Norman Ziemer 724-357-7052



**New Ambulatory Surgery Center  
Hamot Medical Center  
Erie, Pennsylvania**

H.F. Lenz Company provided the mechanical, electrical, plumbing, and fire protection design services for this fast-track project which involved the construction of a new 28,000 sq.ft. ambulatory surgery center. This new, freestanding facility will provide the Erie area with the highest quality of outpatient surgery services in the most cost effective environment. The new surgery center also includes such spaces as operating rooms, recovery rooms, offices, and an isolation room.



Because the project was fast-track, extensive coordination was needed between all parties so that there was a guarantee that the facility would be open within a year. The construction was completed in 2000 and the 12-month deadline was met. The construction cost for this facility was approximately \$5,000,000.

H.F. Lenz Company subsequently provided mechanical, electrical, plumbing, fire protection, communications, and medical gas engineering services for a new 12,000 sq.ft. addition to the facility that houses medical clinics, administrative spaces, Operating Rooms and PACU. HFL provided the design for the extension of the security system. The project was completed in 2006, on time and on budget.

The additions were adjacent to the existing operating rooms and recovery area which had to kept operational throughout construction. A detailed multi-step phasing plan was utilized to keep systems/spaces functioning.

**Contact Information:** Mr. Brian Iavarone 814/877-6318

**Ophthalmic Associates  
Johnstown, Pennsylvania**

H.F. Lenz Company provided mechanical, electrical, plumbing, fire protection, communications, and medical gas engineering services for a new 8,600 sq.ft. Optometry Clinic housing medical clinics, optometry clinic, administrative spaces, radiological spaces, laboratories, and operating rooms. The project was designed specifically for ophthalmic operating rooms, however, it was designed to be flexible for other future outpatient surgery. Systems were designed for additional capacity both in mechanical and electrical systems. The \$2.2 million project was completed on time and on budget in 2006.



**Contact Information:** Mr. Andrew Bezek 814/266-5795



## ***Additional Medical Offices/Outpatient Facilities***



### **Altoona Regional Health System Altoona, Pennsylvania Station Medical Center:**

- New outpatient center constructed as a 10,000 sq.ft. addition and 45,000 sq.ft. renovation at a former mall, houses:
  - Imaging Department includes two MRI's, Multiple X-Ray units, CT scanners, Fluoroscopy, and Ultrasound.
  - Physical Medicine and Rehabilitation
  - Cardiac Rehabilitation
  - Neuro Sleep Lab
  - Health Force (Examination rooms)
  - Outpatient Lab
  - Registration
  - IT Server rooms
- Fire Alarm Upgrades
- Sprinkler Zoning Upgrades

### ***New Outpatient Center and Atrium:***

- New seven-story, 153,000 sq.ft. hospital addition to house outpatient services

### **East Hills Professional Building Johnstown, Pennsylvania**

- Storm water Study
- Neuro Science Office
- Site Lighting
- Dr Mathur Suite
- X-Ray evaluation and Replacement
- CT Scan
- MRI
- New Physician Office Suite
- Master Planning

### **Conemaugh Health System Johnstown, Pennsylvania 1111 Franklin Street:**

- Ultrasound
- Women's Health Center
- Dr Mall Structural Evaluation
- Valet heater
- Mammography
- Nuclear medicine Cameras
- CT Scan

### ***Nursing Care Center:***

- Roof Drain replacement
- MEP evaluation

### ***Lee Campus Walnut Building Medical Office:***

- Electrical Service evaluation
- CCA 5th Floor lighting review

### ***Lee Campus Locust Street Medical Office Building:***

- Dr Rollins
- PM&R relocation
- Parking lot Upgrades

### ***Building E Medical Office Building:***

- 4th Floor Nursing Unit
- Family Practice Expansion
- Acute pain Management Offices
- New Exit Corridor-6th Floor
- Select Specialty Renovations

### ***Somerset Medical Office Building***

- Convert Rite Aid Building into Medical Office Building. Project is currently in design

### **Richland Care Center Johnstown, Pennsylvania**

- Doctor Suite Renovation
- Parking lot Study
- X-Ray Replacement

### **Good Sam Medical Arts Building Johnstown, Pennsylvania**

- Oncology Center including Radiation and Medical Oncology
- Heating System Study
- AHU replacement
- Telemetry relocation



## Additional Medical Offices/Outpatient Facilities

### Wessel Building

#### Johnstown, Pennsylvania

- Gamma Camera
- Domestic Water heater replacement
- Heating Boiler Conversion
- Generator Replacement
- Roof Top Replacement
- Grounds Garage and Equipment Storage Building addition
- Building HVAC upgrades

### Ebensburg Care Center

#### Ebensburg, Pennsylvania

- Ultra Sound Room
- X-Ray Room

### Ears Nose and Throat (ENT) Associates

#### Johnstown, Pennsylvania

- 10,000 sq.ft. renovations of office building which houses Audio Booth, exam rooms, and offices

### Nason Hospital

#### Roaring Spring, Pennsylvania

- Medical Office Building Reno
- -New Wound Clinic

### UPMC Murtha Cancer Center

#### Johnstown, Pennsylvania

- Hematology
- Medical Oncology
- Pathology
- Radiation Oncology
- Radiation

### Westmorland Regional Health System

#### Greensburg, Pennsylvania

- Medical office building renovations

### Mount Nittany Medical Center

#### State College, Pennsylvania

##### Center Medical Science Building:

- Digital Mammography replacement
- Computer Room Air Conditioning
- Additional Operating Room
- Medical Air Compressor Study
- Operating room study
- Air Handling Equipment replacement
- Steam Generator Replacement



### New Surgi-Center/Outpatient Medical Building, Children's Hospital of Pittsburgh Pittsburgh, Pennsylvania

- New 57,000 sq.ft. surgery center and medical office building

### The Medical Center

#### Beaver, Pennsylvania

- New 18,524 sq.ft. Outpatient Surgery and Cardiac Catheterization Laboratory Addition

### Medwell Urgent Care Facility

#### Hill's Plaza

#### Ebensburg, Pennsylvania

- 4,000 sq.ft. outpatient medical facility housing reception/waiting area, medical records/billing area, examination rooms, minor procedure room, pediatric examination room, consultation rooms, mammography room, radiography area, nurse station/laboratory, staff lounge, and storage/utility rooms

### Medwell Urgent Care Facility

#### Westwood Plaza

#### Johnstown, Pennsylvania

- Fit-out of 3,700 sq.ft. in an existing shopping center to house examination rooms, consultation rooms, nurse station/laboratory, waiting room, reception room, staff lounge and storage area/utility rooms



H.F. LENZ  
COMPANY

## *Additional Medical Offices/Outpatient Facilities*

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**Plastic Surgical Associates  
New Medical Office Building  
Johnstown, Pennsylvania**

- New 5,700 sq.ft. medical facility housing examination rooms, procedure rooms, recovery area, private offices, conference room, staff lounge, business/medical records office, and reception/waiting room

**Harmarville Outpatient Rehabilitation Center, New Rehabilitation Unit  
Latrobe Area Hospital  
Latrobe, Pennsylvania**

- New 12,000 sq.ft. satellite facility including a gymnasium and therapy rooms.

**Johnstown Regional MRI Center  
Johnstown, Pennsylvania**

- New 5,000 sq.ft. facility

**Altoona Lung Specialist  
Altoona, Pennsylvania**

- New two-story, 15,900 sq.ft. outpatient facility housing sleep lab, CT scanner, digital X-ray, exam rooms, procedure rooms, pulmonary test rooms and supporting office space. The facility utilizes a geothermal system,



**UPMC Bedford  
Chestnut Ridge, Pennsylvania**

- New Outpatient Clinic

**Latrobe Hospital  
Latrobe, Pennsylvania**

- New 12,000 sq.ft. Outpatient Rehabilitation Center

**Sharon Regional Health System  
Sharon, Pennsylvania**

- New 10,000 sq.ft. Outpatient Addition

**Nason Hospital  
Roaring Spring, Pennsylvania**

- New Outpatient Clinic



H.F. LENZ  
COMPANY

## *United States Department of Defense Experience*

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### **Military Facilities**

H.F. Lenz Company provided the engineering services for the following projects:

**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*

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**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 911<sup>th</sup> 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.



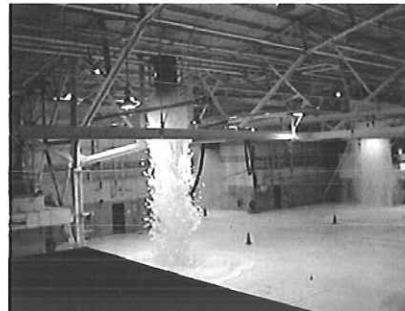


**Hanger Expansion and New Aircraft Storage Facility, Ohio National Guard, Akron-Canton Regional Airport, Akron, OH.**

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)



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:

Mount Nittany Medical Center  
State College, Pennsylvania  
– Design for 42,000 sq.ft. East Wing Addition  
– Oncology Center design  
– MEP lab revisions  
– UPS evaluation  
– 12 kV primary distribution system  
– Analytical lab UPS system  
– TVSS design  
– Generator #3 replacement  
– CT scanner feeder  
– Cath Lab AHU evaluation

Veterans Affairs Medical Center  
Altoona, Pennsylvania  
Emergency power distribution modifications  
including new 1000 kW generator

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

Pennsylvania National Guard Facility  
Regional Maintenance Facility  
Johnstown, Pennsylvania  
New maintenance shop

U.S. Army Reserve Center Aviation Facility  
Johnstown, Pennsylvania  
New 120,000 sq.ft. multi-building reserve  
center. 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 and 17,000 sq.ft. OMS/AMSA

U.S. Army Reserve Aviation Center  
Weirton, West Virginia  
Design/build project including a 16,000 sq.ft.  
training building and a 6,300 sq.ft. OMS

U.S. Army Reserve Center  
Grantsville, Maryland  
New 15,300 sq.ft. training building and 2,400  
sq.ft. OMS

Letterkenny Army Depot  
Chambersburg, Pennsylvania  
Various projects under 6 consecutive term  
contracts

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

#### **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. 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):

West Virginia Army National Guard  
Kingwood, West Virginia  
*Project management and electrical design for  
Camp Dawson billeting facility*

– *New Building 361*

West Virginia University Heart Institute  
Building 600 Suncrest Towne Centre  
Morgantown, West Virginia  
*New design/build 30,000 sq.ft. medical office  
building and tenant fit-out of 15,000 sq.ft. for  
the WVU Heart Institute*

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*  
– *Both projects were completed under an IDC  
with the Baltimore District*

Mount Nittany Medical Center  
State College, Pennsylvania  
– *Design for 42,000 sq.ft. East Wing Addition*  
– *Oncology Center design*  
– *MEP lab revisions*  
– *UPS evaluation*  
– *12 kV primary distribution system*  
– *Analytical lab UPS system*  
– *TVSS design*  
– *Generator #3 replacement*  
– *CT scanner feeder*  
– *Cath Lab AHU evaluation*

Pennsylvania National Guard  
Johnstown, Pennsylvania  
*New Regional Maintenance Facility*

Ohio National Guard  
Akron-Canton Regional Airport, Akron, Ohio  
*New 26,400 sq.ft. aircraft storage facility and  
renovations to the existing hangar.*

Veterans Affairs Medical Center  
Altoona, Pennsylvania  
*Emergency power distribution modifications  
including new 1000 kW generator*

Letterkenny Army Depot  
Chambersburg, Pennsylvania  
*Various projects under 6 consecutive term  
contracts*

Veterans Affairs Medical Center\*  
Perry Point, Maryland  
– *Renovations to Building 23H*

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

#### **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, Maryland, Alabama, California, Florida, Kansas, Louisiana, Maryland, Missouri, New Mexico, New Jersey, New York, North Carolina, Nevada, Ohio, and Tennessee

#### **Professional Affiliations**

Institute of Electrical and Electronics Engineers, Inc.



Mr. Earhart 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. Earhart has been involved in over 1,000 healthcare related facilities projects throughout his 22 year career. These projects have involved HVAC, plumbing, fire protection, and electrical renovations of acute care spaces as well as studies and upgrades of the primary mechanical and electrical systems. His project experience includes:

Veterans Affairs Medical Center  
Philadelphia, Pennsylvania

- *Expansion and renovation of approximately 13,000 sq.ft. of clinical space on the 8th floor of Building 2 and the 4th floor of Building 1*
- *Renovation of the existing 30,000 sq.ft. emergency department as well as renovations and upgrades to the main patient entrance and registration/processing area*
- *PIC for an average of 6 projects per year since 1990, involving various renovations and additions throughout the facility*

Veterans Affairs Medical Center - New PR RTP  
Facility, Huntington, West Virginia  
*Renovation of two existing structures (3-story) and adding an infill addition between the two buildings (17,000 sq.ft)*

Children's National Medical Center,  
Washington, DC

- *PIC for approximately 37 projects per year since 2000, involving various renovations and additions throughout the facility*
- *Engineer-of-Record for a \$100,000,000 master plan implementation*

Cleveland Clinic Foundation  
Cleveland, Ohio

- *Renovation of a 3,600 sq.ft. Research Lab*
- *Renovation of a 5,700 sq.ft. Special Delivery Suite*
- *Multiple Isolation Room Exhaust Upgrades*

Altoona Lung Specialist  
Altoona, Pennsylvania

*New two-story, 15,900 sq.ft. outpatient facility with a geothermal system*

Indiana Regional Medical Center  
Indiana, Pennsylvania

- *New Design/Build 30,000 sq.ft. Blairsville Ambulatory Surgery Center*
- *New 30,000 sq.ft. ER Addition*
- *New Cath Lab*
- *Master plan for 165,000 sq.ft. of additions and renovations*
- *Various renovations and additions throughout the facility*

#### **Education**

Bachelor of Science, Mechanical Engineering, 1985, Ohio State University  
Air Force Institute of Technology, Heating, Ventilating, and Air-Conditioning and HVAC Controls

#### **Experience**

H.F. Lenz Company 1990 - Present  
U.S. Air Force 1986 - 1990, Active Duty  
U.S. Air Force Reserves, 2006 - Retired, Rank of Major

#### **Professional Registration / Certification**

Licensed Professional Engineer in Pennsylvania • Delaware • Maryland • Ohio • Virginia • Washington, DC • West Virginia

#### **Professional Affiliations**

American Society of Heating, Refrigerating, and Air Conditioning Engineers; American Society of Healthcare Engineers; Northern Ohio Society of Healthcare Engineers (NOSHE); Pennsylvania Society of Healthcare Engineers (PSHFE); Serves on ASHRAE T.C. 9.6, Infectious Diseases Subcommittee, TC 189.3 Healthcare Sustainable Buildings



Mr. Stewart has 28 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, and cost estimating. His experience includes the design of mechanical systems for laboratories, hospitals, educational facilities, industrial plants, and military installations. He has also been involved in the design of chiller and boiler plants. His project experience includes (\*indicates previous experience):

West Virginia University Heart Institute  
Building 600 Suncrest Towne Centre  
Morgantown, West Virginia  
*New design/build 30,000 sq.ft. medical office building and tenant fit-out of 15,000 sq.ft. for the WVU Heart Institute*

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*  
– *Both projects were completed under an IDC with the Baltimore District*

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

Pennsylvania National Guard Facility  
Regional Maintenance Facility  
Johnstown, Pennsylvania  
*New maintenance shop*

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.*

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

Letterkenny Army Depot  
Chambersburg, Pennsylvania  
*Various projects under 6 consecutive term contracts*

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

**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 Certification**

Licensed Professional Engineer in Pennsylvania; LEED Accredited Professional

**Professional Affiliations**

American Society of Heating, Refrigerating, and Air-Conditioning Engineers; APPA; U.S. Green Buildings Council



Mr. Jarvis is experienced in all aspects of the design and specification writing of healthcare plumbing systems including extensive medical gas systems, acid waste and vent, plumbing fixture requirements, decontamination chambers and complete plumbing system requirements for health care correctional, institutional, industrial, educational, and commercial facilities. He also has several years of hands-on experience with a variety of field, plumbing, healthcare systems including laboratory, medical gas, and balancing return systems. Mr. Jarvis's project experience includes:

Indiana Regional Medical Center  
Indiana, Pennsylvania  
*New Design/Build 30,000 sq.ft. Blairsville  
Ambulatory Surgery Center*

Wheeler Family Medical Center, Somerset  
Hospital, Somerset, Pennsylvania  
*New Design/Build, 46,000 sq.ft. medical office  
building*

Westmoreland Hospital  
Greensburg, Pennsylvania  
*New 40,000 sq.ft., four-story medical office  
building*

Hamot Medical Center  
Erie, Pennsylvania  
*New 28,000 sq.ft. ambulatory surgery center*

Conemaugh Health Systems  
Johnstown, Pennsylvania  
*Plumbing design of the 12,832 sq. ft.  
ambulatory surgery suite*

Ophthalmic Associates  
Johnstown, Pennsylvania  
*New 8,600 sq.ft. Optometry Clinic housing  
medical clinics, optometry clinic, administrative  
spaces, radiological spaces, laboratories, and  
operating rooms*

Somerset Hospital  
Somerset, Pennsylvania  
*Medical gas design for a 24,000 sq. ft.  
renovation*

#### **Education**

Associate Degree, Specialized Technology, Mechanical Drafting 1988  
Hiram G. Andrews Center

#### **Experience**

H.F. Lenz Company 1989 - Present  
L. Robert Kimball & Associates 03/89 – 09/89 • U.S. Government, The Pentagon 06/85 – 08/85

#### **Professional Affiliations**

ASPE Member  
Medical Gas Professional Healthcare Organization  
ASSE 6005 Certified Medical Gas Specialist

Children's National Medical Center  
Washington, D.C.  
*Medical gas design for 250,000 sq. ft. addition*

Conemaugh Health Systems  
Johnstown, Pennsylvania  
*Plumbing design of a new 242,000 sq.ft.  
medical pavilion*

UPMC Lee Hospital  
Johnstown, Pennsylvania  
*Medical gas design for 45,000 sq. ft.  
renovation*

Hamot Hospital  
Erie, Pennsylvania  
*Plumbing design of the 56,254 sq. ft.  
millennium addition and renovation project*

Heritage Health System, The Medical Center  
Beaver, Pennsylvania  
– *Outpatient surgery addition*  
– *Building systems upgrades (Medical Gas)*  
– *Facility-wide renovations for Patient Focused  
Care Program*  
– *Cardiac catheterization laboratory addition*  
– *Plumbing / Medical Gas design for  
neuropsychiatric unit*  
– *Recovery area renovation*



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's projects include:

Martinsburg Medical Office Building – Tri-State Professional Complex  
Martinsburg, West Virginia  
*New 30,000 sq.ft. medical office building that houses The Center For Orthopedic Excellence, Tri-State Surgery Center and Premier Physical Therapy and includes additional space for future tenants*

Indiana Regional Medical Center  
Indiana, Pennsylvania  
*New Design/Build 30,000 sq.ft. Blairsville Ambulatory Surgery Center*

Veterans Affairs Medical Center  
Lebanon, Pennsylvania  
*New 17,000 sq.ft. Behavioral Health Outpatient Facility, designed to attain LEED Silver*

UPMC Lee Regional  
Johnstown, Pennsylvania  
*New 105,000 sq.ft. Patient Care Center with rehabilitation and orthopedic units*

Hamot Hospital  
Erie, Pennsylvania  
*– New 80,000 sq.ft. Heart Institute*  
*– New 42,000 sq.ft. addition and renovation of existing 20,000 sq.ft.*  
*– New 28,000 sq.ft. ambulatory surgery center*

Children's National Medical Center  
Washington, D.C.  
*New additions and renovations to existing hospital*

West Virginia University  
Ruby Memorial Hospital  
Morgantown, West Virginia  
*New six story addition and renovation to existing hospital*

Indiana Hospital Women's Health Center  
Indiana, Pennsylvania  
*Renovated portion of existing hospital for new Women's Health Center*

#### **Education**

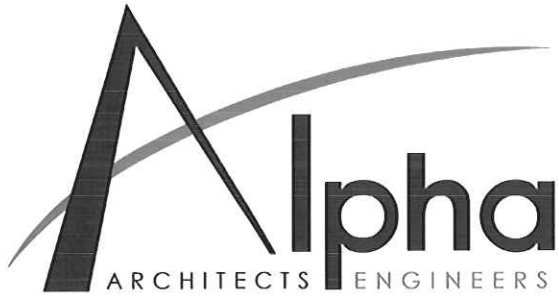
Bachelor of Science Degree, Fire and Safety Engineering, 1999, Eastern Kentucky University  
Associate of Arts Degree, Fire Science Technology, 1997, Harrisburg Area Community College

#### **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



## CLIENT REFERENCES

**Leonard Lewis, Director**  
**West Virginia University**  
**Robert C. Byrd Health Sciences Center**  
G350 Health Science Center South  
Morgantown, WV 26506  
304-293-4832

**John Sommers, Senior Construction**  
**Projects Manager**  
**West Virginia University**  
PO Box 6572  
Morgantown, WV 26505  
304-293-2856

**Eugene Ciliento, Dean**  
**West Virginia University**  
PO Box 6070  
Morgantown, WV 26506  
304-293-4821

**Fred Butcher, PhD, Vice President**  
**of Planning and Operations**  
**West Virginia University**  
Health Science Center  
PO Box 9000  
Morgantown, WV 26506  
304-293-4511

**Paul Chico, Manager, Operations and**  
**Ambulatory Services**  
**University Health Associates**  
4<sup>th</sup> Floor, POC  
Morgantown, WV 26507  
304-598-4875

*Alpha brings the highest level of service and quality to their work. The staff is highly qualified, professional and customer oriented.*

**Fred R. Butcher PhD**  
**VP Planning & Operations HSC**

*Alpha Associates have a proven record of customer satisfaction and successful client delivery with our organization. We would be confident in our recommendation in support of Alpha Associates. They provide the desired skills necessary for success from small simple projects to large complex lab development.*

**J. Paul Walden**  
**Associate Director**  
**HSC Facilities Management**





West Virginia University  
ROBERT C. BYRD HEALTH SCIENCES CENTER

March 17, 2010

William A. Atwell, Jr., PE  
209 Prairie Ave.  
Morgantown WV, 26501

Recommendation:

Alpha Associates have been an important partner of the Health Sciences department for many years. The Health Sciences Facility has been in transformation for over 20 years converting the overall function of the 1.2 million square foot facility from a primary hospital care facility to a doctoral research and teaching facility.

The architects, engineers, and surveyors of Alpha Associates incorporate the ideas and concepts associated with long term maintenance dependability without impacting the immediate need of the end user. This approach provides a working relationship and end product that is acutely aware of immediate needs of research and long term durability of the facility.

This forward looking approach to development has proven to be a valuable tool for the Health Science facilities management team and the overall research initiative for our institution. As the Associate Director of Facilities Management, I have found the relationship with Alpha Associates and their team members to be very comforting, professional and effective.

Alpha Associates have a proven record of customer satisfaction and successful client delivery with our organization. We would be confident in our recommendation in support of Alpha Associates. They provide the desired skills necessary for success from small simple projects to large complex lab development.

Sincerely,

J. Paul Walden

Associate Director

HSC Facilities Management

1 Medical Center Drive  
G350 Health Sciences South  
PO Box 9004 or 9040  
Morgantown, WV 26506-9004

Phone: 304-293-6924  
Fax: 304-293-8611



West Virginia University  
ROBERT C. BYRD HEALTH SCIENCES CENTER

March 23, 2010

William A. Atwell, Jr., PE

209 Prairie Ave.

Morgantown, WV 26501

Recommendation:

I am currently the Vice President for Planning and Operations at the West Virginia University Health Sciences Center and have enjoyed a close, working relationship with Alpha Associates for approximately 25 years. During that time they have both participated in as well as led the design of complex free-standing facilities for the Health Sciences Center. In addition, they have been the firm of choice to lead the design of numerous internal renovation projects. These latter projects varied from a few hundred square feet to several thousand square feet and included classroom, office, laboratory and outpatient clinic design.

Alpha brings the highest level of service and quality to their work. The staff is highly qualified, professional and customer oriented. They have always been responsive to our needs. Projects are structured and managed to maximize customer input while at the same time keeping the project on schedule. They do an excellent job of tracking changes and making sure that all items requiring attention are addressed in a timely manner and without omission. Many of our projects had many constraints, either as a result of site limitations or the physical confines of the space for which projects were being designed. Alpha always managed to find innovative and creative solutions to these challenges.

We give them our highest recommendation without any reservation.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Fred R. Butcher', written in black ink over a horizontal line.

Fred R. Butcher PhD

VP Planning & Operations for Health Sciences

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 Signatures: [Signature] Date: 5/29/13

State of West Virginia

County of Monongalia, to-wit:

Taken, subscribed, and sworn to before me this 14th day of May, 2013

My Commission expires Aug 4, 2019, 20  .

AFFIX SEAL HERE

NOTARY PUBLIC

[Signature: Dane C. Clark]

