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PURCHASING DIVISION
STATE OF WV

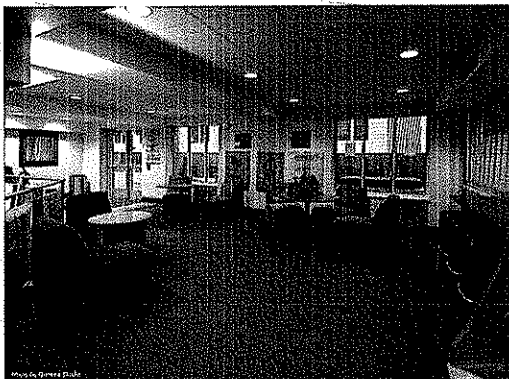
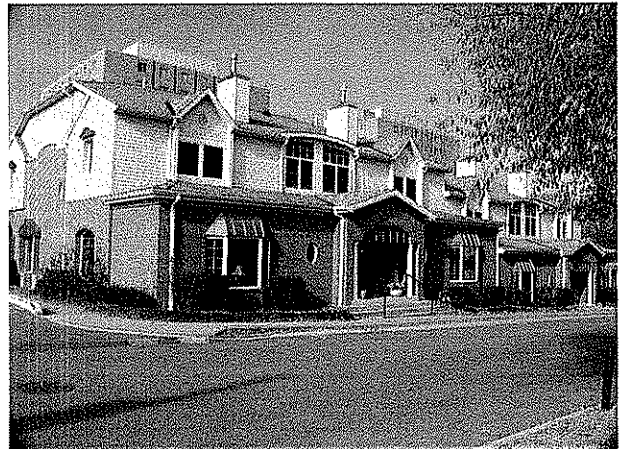
West Virginia Army National Guard

RFQ #DEFK9019

ARCHITECTURAL AND ENGINEERING SERVICES

April 1, 2009

EXPRESSION OF INTEREST



ARCHITECTS • ENGINEERS • SURVEYORS



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

Request for Quotation

RFQ NUMBER
DEFK9019

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
**JOHN ABBOTT
 304-558-2544**

**RFQ COPY
 TYPE NAME/ADDRESS HERE**

VENDOR

SHIP TO

**DIV ENGINEERING & FACILITIES
 ARMORY BOARD SECTION

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

DATE PRINTED 03/12/2009	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
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BID OPENING DATE: **04/01/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UCP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-00-00-001		
<p>ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL</p> <p>CONTRACT TO PROVIDE ARCHITECT & ENGINEERING SERVICES FOR THE WEST VIRGINIA ARMY NATIONAL GUARD, CAMP DAWSON KINGWOOD, WV LOCATION, PER THE ATTACHED DOCUMENTATION.</p> <p style="text-align: center;">NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p style="text-align: center;">DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: JOHN ABBOTT-----</p> <p>RFQ. NO.: DEFK9019-----</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE 	TELEPHONE 304-296-8216	DATE 03/30/09
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
 Department of Administration
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03/12/2009				

BID OPENING DATE: **04/01/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
BID OPENING DATE: 04/01/2009 BID OPENING TIME: 1:30 PM PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: 304-296-8245 CONTACT PERSON (PLEASE PRINT CLEARLY): Richard A. Colebank, PE, PS ***** THIS IS THE END OF RFQ DEFK9019 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *Richard A. Colebank* TELEPHONE: 304-296-8216 DATE: 03/30/09
 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****VENDOR OWING A DEBT TO THE STATE:**

West Virginia Code §5A-3-10a provides that: 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.

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code*. The vendor **must** make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code* and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the *West Virginia Code* may take place before their work on the public improvement is begun.

ANTITRUST:

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

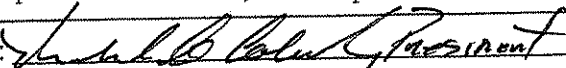
LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.

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.

Vendor's Name: Alpha Associates, Incorporated
Authorized Signature:  Date: 03/30/09



ARCHITECTS • ENGINEERS • SURVEYORS

April 1, 2009

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

Attn: Mr. John Abbott

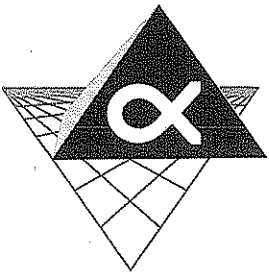
Re: DEFK9019 – Architectural and Engineering Services

Dear Mr. Abbott,

Alpha Associates, Incorporated is pleased to submit this proposal to provide architectural and engineering design services for the West Virginia Army National Guard Billeting Facilities at Camp Dawson in Kingwood, West Virginia. Alpha is intimately familiar with your needs for this project, as well as the project site. Let us put our knowledge and experience to work for the WV Army National Guard.

Alpha has provided architectural and engineering design services throughout West Virginia for 40 years. We have relevant project experience that is similar to your project. Alpha has provided design services in the past for the Camp Dawson Barracks, Dining Facilities and Troop Medical Clinic. We also provided design services for the US Army Reserve Centers in Rainelle, WV and Beckley, WV. More recently, Alpha provided design services for a 148,000 square foot residential housing complex, the Augusta, in Morgantown, WV.

Alpha's staff of 35 professionals and support staff consist of architects, civil engineers, structural engineers, surveyors, interior designers, landscape designers, construction representatives and project managers. We will utilize H.F. Lenz Company, located in Johnstown, PA to provide mechanical, electrical, plumbing and fire safety design services. Alpha and Lenz have worked together on multiple successful projects. Additional qualifications and key personnel resumes are included in this Expression of Interest.



As I'm sure you are aware, Alpha has performed design work on this project in the past and is intimately familiar with the project.

We look forward to working with the WV Army National Guard on this project. Our team has the knowledge, experience, and capacity to complete your project. This project will be a priority for both Alpha Associates, Inc and H.F. Lenz Company.

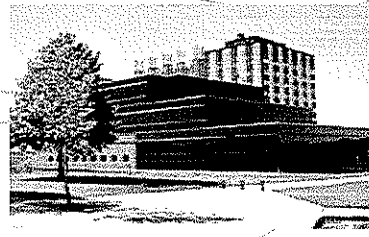
Sincerely,

ALPHA ASSOCIATES, INCORPORATED

Richard A. Colebank, PE, PS
President and COO
rcolebank@alphaaec.com

Firm ProfileALPHA ASSOCIATES,
INCORPORATED
2009**Firm Profile**

Alpha Associates, Incorporated

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, West Virginia**Firm Principals:** Richard A. Colebank, PE, PS; President and COO
Richard W. Klein, PE, PS; Chairman and CEO
William A. Atwell, Jr., PE; Senior Vice President
James A. Davison, AIA; Vice President
Charles B. Luttrell, PE; Principal
Steven V. Buchanan, PE, PS; Principal
Matthew S. Breakey, AIA; Principal
Charles B. Branch, PE; Principal**Number of Employees:** 35 Employees

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.



ARCHITECTS • ENGINEERS • SURVEYORS



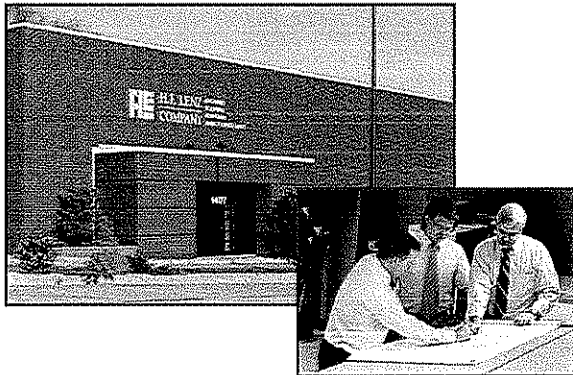
H.F. LENZ
COMPANY

H.F. Lenz Company – MEP Engineering Services

The H.F. Lenz Company has been providing a full range of engineering services for building systems, infrastructure, and industry for over 63 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 182 employees, including 47 Professional Engineers licensed in a total of 40 states, and office locations in Johnstown, Pittsburgh, and Erie, Pennsylvania.

Firm Organization

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



Our Philosophy

We believe in the team approach to the design process. H.F. Lenz Company's people are pro-active team players that thoroughly understand the importance of effective partnering and collaboration among all members of the project team. We support a dynamic, collaborative environment where trust and teamwork prevail and a shared understanding of project goals and expectations are developed.

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

Experienced Project Team

The team that will serve on this contract is comprised of dedicated, multi-discipline individuals, many of whom have been working together for almost a decade. Together they have taken on the challenges of numerous high profile, complex projects and have derived workable, cost-effective solutions that have met the objectives of the client.

H.F. Lenz Company has provided engineering services for \$75 million of construction for the Baltimore Corps of Engineers over the past 20 years including 7 indefinite delivery-type contracts and 11 new reserve centers, several of which were design/build projects. We have held six (6) previous IDTC's for Letterkenny under which we have completed numerous projects requiring a variety of engineering expertise.

Miscellaneous Case Studies

Project Description

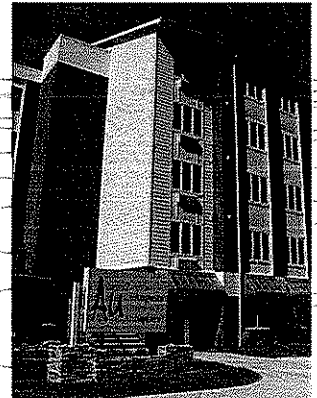
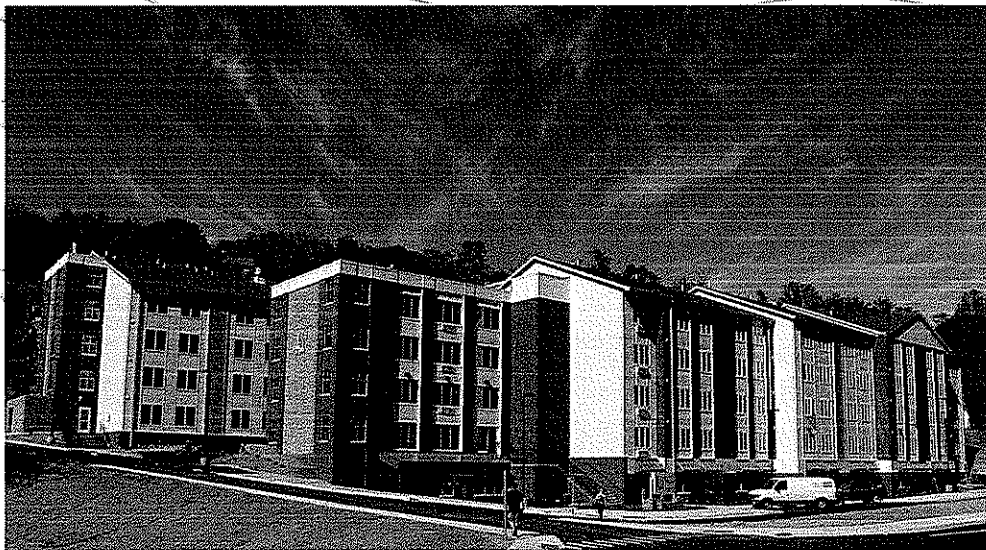
Augusta Residential Complex Morgantown, WV

Alpha recently completed the design and construction of a residential tower located in Morgantown. The project consisted of two buildings and approximately 148,000 sf. Included in the building is:

- 158 student housing units for 296 occupants
- Mix of 2 bedroom/2 bath units & 1 bedroom/1 bath units
- Includes central lobby
- Multi-story - mid-rise development
- 2 buildings 5 to 7 levels
- 3 elevators
- Parking Garage
- Fully landscape courtyard
- Leasable rental space

At A Glance...

- 1 Client:
Private
- 2 Location:
Morgantown
- 3 Completion Date:
2007
- 4 Size:
148,000 SF
- 5 Construction Cost:
Private Client



Higher Education Case Studies

Project Description

West Virginia University—Student Leader Housing Morgantown, WV

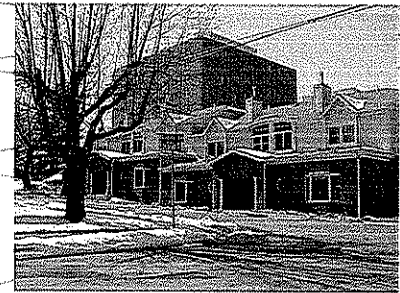
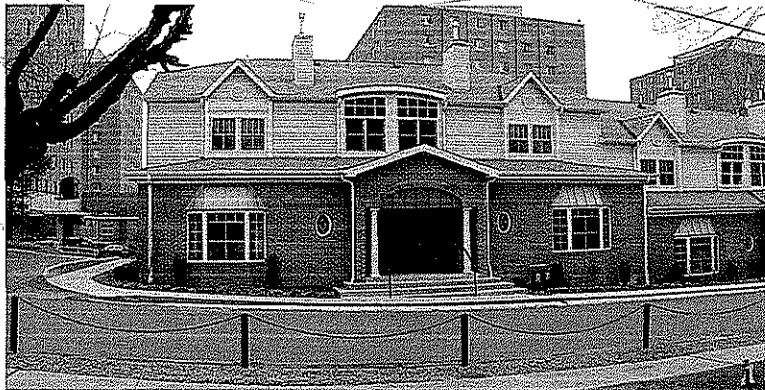
This project, a part of West Virginia University's "Operation Jumpstart" program, provides housing units to accommodate Resident Faculty Leaders. Architectural and Engineering services were provided for program review and the design of campus housing units, which included four different sites.

The units, designed to utilize modular construction, are located adjacent to the Tower Dormitories as well as Arnold, Boreman and Stalnaker Halls.

The total built/renovated area is approximately 32,000 square feet and includes six single-family five-bedroom residences, an office support building, six two-car garages, conference/meeting facilities, and computer and fitness center.

At A Glance...

- 1 *Client:*
West Virginia University
- 2 *Location:*
Morgantown, WV
- 3 *Completion Date:*
Multi-Phase
- 4 *Size:*
Various Structures
- 5 *Construction Cost:*
Multi-Phase



Miscellaneous Case Studies

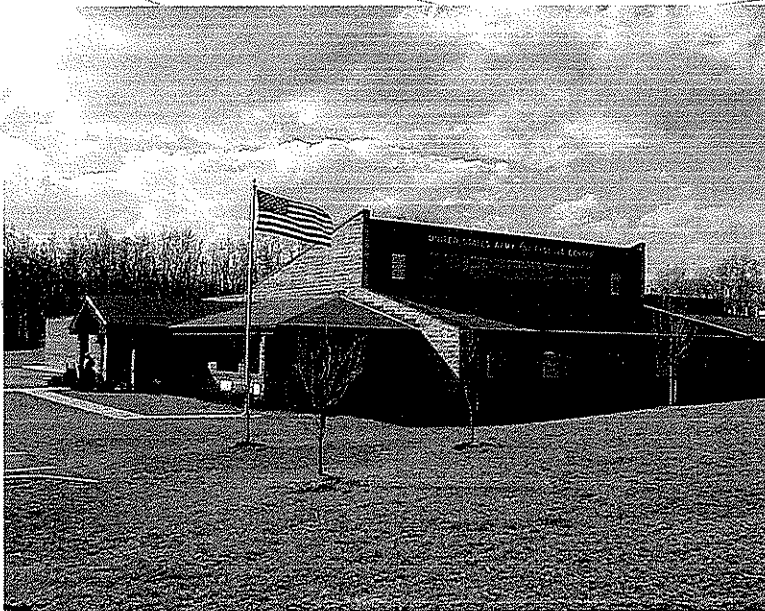
Project Description

U.S. Army Reserve Center Beckley, WV

Alpha Associates, Incorporated provided architectural and engineering design for a Training Building and Organizational Maintenance Shop at the U.S. Army Reserve Center in Beckley, West Virginia. The Training Building is 28,000 SF and includes offices, a multi-purpose room for general assemblies, drill formations and dining, library, food preparation area, rifle range, and arms vault and storage area. The 2,700 SF OMS houses a work and wash bays, storage areas, support offices, hazardous materials storage area and mechanical and battery rooms. Services for this U.S. Army Corps of Engineers contract also included site planning, utilities, road, and parking lot design for this 10-acre Reserve Center at the Raleigh Memorial Airport Industrial Park.

At A Glance...

- 1 *Client:*
U.S. Army Corps of Engineers
- 2 *Location:*
Beckley, WV
- 3 *Completion Date:*
1994
- 4 *Size:*
28,000 SF Addition
2,700 SF Addition
- 5 *Construction Cost:*
\$5.4 Million
- 6 *Project Relevance:*
 - Architectural design
 - Maintenance facilities
 - Site planning
 - Roadway design
 - Federally funded



Camp Dawson Training Facility

ARCHITECTURAL AND
ENGINEERING DESIGN
SERVICES

Multiple Dates

7

Miscellaneous Case Studies

Project Description

Camp Dawson Training Facility Kingwood, WV

Alpha Associates, Incorporated provided complete architectural and engineering design services, contract documents and construction administration for the Phase II and Phase III buildings and site design for this West Virginia Army National Guard facility located in Kingwood, West Virginia.

Phase II facilities included 2 Barracks for 420 people, totaling 34,558 square feet and consisting of sleep quarters and restroom facilities; 4,930 square foot dining facility including kitchen, storage areas and seating for 163 persons; and a 2,448 square foot supply/ration breakdown building including work room, secure storage, office, freezer and cooler rooms.

Phase III facilities include a two-story Barrack to accommodate 210 people, 17,300 square foot building consisting of sleep quarters and restroom facilities, a 4,930 square foot dining facility including kitchen, storage areas and seating for 163 persons; and a 3,597 square foot Medical Troop Clinic containing two doctors' offices, two exam rooms, a waiting room, dental exam area, soil utility and medical supply room.

At A Glance...

- 1 *Client:*
Camp Dawson
Training Facility
- 2 *Location:*
Kingwood, WV
- 3 *Completion Date:*
Multiple Dates
- 4 *Size:*
34,558 SF Phase II
17,300 SF Phase III
- 5 *Construction Cost:*
Multiple Contracts
- 6 *Project Relevance:*
 - Architectural design
 - Construction administration
 - Site planning
 - Federally funded



ARCHITECTS • ENGINEERS • SURVEYORS

Miscellaneous Case Studies

Project Description

U.S. Army Reserve Center Rainelle, WV

Alpha Associates, Incorporated provided Architectural and Engineering Design for a Training Building and Organizational Maintenance Shop (OMS) at the U.S. Army Reserve Center in Rainelle, West Virginia. The Training Building is a 19,492-sf split face concrete block with accent bands and includes offices, a multi-purpose room, classrooms, offices, library, food storage and preparation areas, training centers, rifle range for three shooters with bullet trap, an arms vault and unit storage areas.

The 7,523-sf OMS houses two double work bays and one double wash bay, storage areas, support offices, hazardous materials storage area and mechanical and battery rooms. Services for this U.S. Army Corps of Engineers contract also included site planning, utilities, road and parking lot design for this 5-acre U.S. Army Reserve Center in Greenbrier County, West Virginia.

At A Glance...

- 1 *Client:*
U.S. Army Corp of Engineers
- 2 *Location:*
Rainelle, WV
- 3 *Completion Date:*
1994
- 4 *Size:*
19,492 SF Training Bldg.
7,523 SF OMS
- 5 *Construction Cost:*
\$5.4 Million
- 6 *Project Relevance:*
 - Maintenance facilities
 - Federally funded



Architectural Case Studies

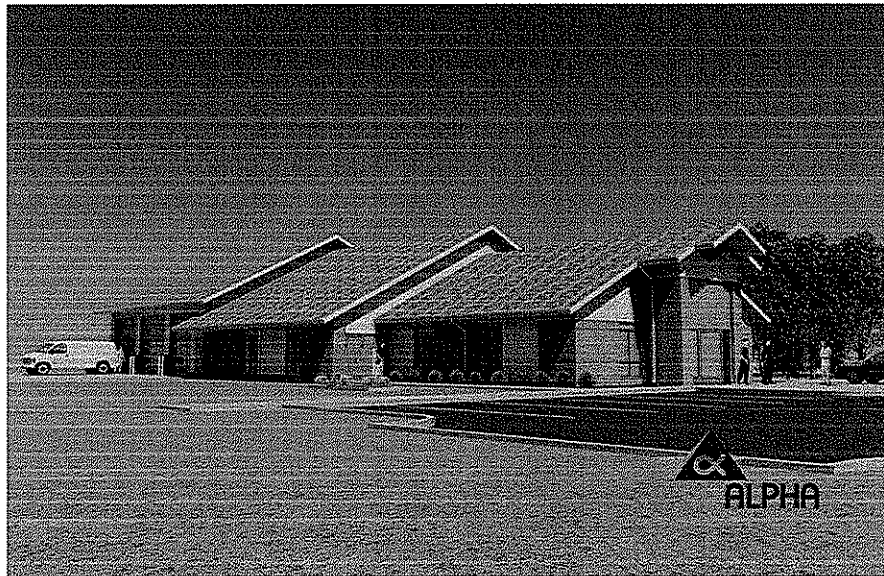
Project Description

Jefferson County Operations Center Martinsburg, West Virginia

Alpha Associates, Incorporated is designing a new Operations Center for the Jefferson County Ambulance Authority that will hold vehicle bays, sleeping quarters, training room, and office spaces. The building will be designed to blend into the surrounding development and have a civic presence.

At A Glance...

- 1 Client:
Jefferson County
Ambulance Authority
- 2 Location:
Ranson, WV
- 3 Completion Date:
Est. 2009
- 4 Size:
6,750 SF
- 5 Construction Cost:
TBD



Architectural Case Studies

Project Description

Parkersburg Armory Parkersburg, West Virginia

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

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

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

At A Glance...

1

Client:
WV Army National Guard

2

Location:
Parkersburg, WV

3

Completion Date:
2009

4

Size:
2400 sq. ft. renovation
200 sq. ft. addition

5

Construction Cost:
TBD



SUMMARY

Mr. Colebank is President and Chief Operating Officer of the firm. Mr. Colebank 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 West Virginia University, City of Morgantown, The West Virginia Division of Highways, WVU Foundation and the Morgantown Municipal Airport, as well as numerous 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

PRINCIPAL-IN-CHARGE

Transportation Projects:

- Morgantown Municipal Airport-IDIQ Contract; Morgantown, WV
- Route 10 Relocation; Wyoming County, WV
- South High Street Bridge Replacement; Morgantown, WV
- Blackshere Bridge Replacement; Mannington, WV
- Lewis County High School Access Road and Bridge; Weston, WV
- University Avenue/Stadium Loop; Morgantown, WV
- West Buckeye Bridge; Blacksville, WV

Civil Engineering Projects:

- Monongalia General Hospital; Morgantown, WV
- WVU Research Park; Morgantown, WV
- West Virginia Medal of Honor Recipients Plaza; Hazelton, WV
- West Virginia Division of Highways I-77 Welcome Center; Williamstown, WV
- West Virginia High Technology Consortium Site Work; Fairmont, WV
- Greystone on the Cheat through Phase II; Morgantown, WV

Indefinite Delivery/Indefinite Quantity Contracts:

- Morgantown Municipal Airport Open End Contract; Morgantown, WV
- West Virginia Division of Highways Open End Contract; State of WV
- National Energy Technology Laboratories; Morgantown, WV
- West Virginia University Open End Contract; State of WV



EMPLOYMENT HISTORY

PRIVATE INDUSTRY: 1985 – Present Alpha Associates, Incorporated
1983 – 1985 Charles Townes and Associates, P.C.

CORPS OF ENGINEERS: 1983 US Army Corps of Engineers

EDUCATION

GRADUATE: West Virginia University
Masters – Business Administration; 1999

UNDERGRADUATE: West Virginia University
BS – Civil Engineering; 1982

QUALIFICATIONS

LICENSE: Professional Engineer:
West Virginia, Pennsylvania, Maryland, Virginia, Ohio
Professional Surveyor:
West Virginia
Certified Private Pilot

AFFILIATIONS

PROFESSIONAL: West Virginia Society of Professional Engineers; Member
American Society of Civil Engineers; Member
National Society of Professional Engineers; Member
Former NSPE/PEPP Governor of WV
ACEC/WV; President

CIVIC: University High School Foundation; Charter Member; Current
President
Morgantown Area Chamber of Commerce; Past Chairman
Arts Monongalia Board; Member
Monongalia County MPO Technical Advisory Committee;
Member
Morgantown Area Economic Partnership; Member
University High School Athletic Booster; Member
Aircraft Owners and Pilots Association (AOPA)
University High School Athletic Field Committee



SUMMARY

Mr. Davison is the Vice President of Alpha Associates, Inc. Mr. Davison joined the firm 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 West Virginia Society of Architects has recognized Mr. Davison for his excellence in architecture with design awards for the Engineering Research Building at West Virginia University in Morgantown, WV, Wheeling College Chapel in Wheeling, WV, Morgantown High School Addition in Morgantown, WV and the KCAD Professional Office Building located in Martinsburg, WV.

PROFILE

Broad-based responsibilities in the following areas:

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

PROFESSIONAL HIGHLIGHTS

Higher Educational Facilities:

- Agricultural Sciences Building Addition, West Virginia University; Morgantown, WV
- Prichard Hall Renovation, Fairmont State University; Fairmont, WV
- Engineering Science Building, East Wing Addition; Morgantown, WV
- Engineering Research Building; Morgantown, WV
- National Research Center for Coal and Energy, West Virginia University; Morgantown, WV
- Student Leader Housing, West Virginia University; Morgantown, WV
- Galli Laboratory, West Virginia University; Morgantown, WV

K-12 Educational Facilities:

- 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

Medical Facilities:

- Ruby Memorial Hospital Emergency Addition; Morgantown, WV
- Sundale Nursing Home Renovation/Addition; Morgantown, WV



Miscellaneous Architectural Design:

- Upshur County Senior Opportunity Center; Buckhannon, WV
- West Virginia Medal of Honor Recipients Memorial Plaza; Hazelton, WV
- Cumberland Valley Railroad Depot (KCAD Properties Professional Office); Martinsburg, WV
- Ronald McDonald House; Morgantown, WV
- Jenkins Ford; Buckhannon, WV

EMPLOYMENT HISTORY

PRIVATE INDUSTRY:	1977 - Current	Alpha Associates, Incorporated
	1976 - 1977	Carl G. Baker, Architects
	1974 - 1976	Architectural Firm of Laurie and Green
	1966 - 1974	Michael S. Molnar Associates

EDUCATION

UNDERGRADUATE:	Pennsylvania State University Bachelor of Architecture; 1973
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QUALIFICATIONS

LICENSE:	Registered Architect; West Virginia, Pennsylvania, Maryland, Virginia, Ohio NCARB Certified
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AFFILIATIONS

PROFESSIONAL:	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
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CIVIC:	Main Street Morgantown
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AWARDS

DESIGN AWARDS:	West Virginia Society of Architects Design Awards: KCAD Professional Office Building Morgantown High School Engineering Research Building Wheeling College Chapel
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SUMMARY

Mr. Breakey has gained experience through working as a Project Manager on major capital construction projects throughout West Virginia. As a key player in the Open End Contract with West Virginia University, Mr. Breakey deals with projects from schematic design to project close out.

PROFILE

Broad-based responsibilities in the following areas:

- Architectural Design
- Construction Administration
- Contract Negotiations

PROFESSIONAL HIGHLIGHTS

PROJECT MANAGER:

Higher Education Projects:

- WVU Engineering East Wing Renovation/Addition; Morgantown, WV
- WVU Engineering Sciences Building 10th Floor Renovation; Morgantown, WV
- WVU Engineering Science Building Nano/Microtechnology Lab; Morgantown, WV
- WVU Alfred F. Gall Laboratory Renovations; Morgantown, WV

K-12 Education Projects:

- South Jefferson High School, Charles Town, WV
- Pocahontas County High School Science Wing Renovation/Addition; Marlinton, WV
- Buckhannon Upshur Middle School Roof Replacement; Buckhannon, WV
- Buckhannon Upshur Middle School HVAC Upgrades; Buckhannon, WV
- Slanesville Elementary School Addition; Hampshire County, WV
- Petersburg High School Science Lab Renovation; Petersburg, WV

ARCHITECTURAL DESIGN:

- Clear Mountain Bank, Oakland Branch; Oakland, MD
- Fairmont Federal Credit Union, Charles Pointe Branch; Bridgeport, WV
- WVU Engineering Sciences Building East Wing Addition; Morgantown, WV
- Robert C. Byrd Health Sciences Center SRP Lab Renovation; Morgantown, WV
- Upshur County Senior Opportunity Center Renovation and Addition; Buckhannon, WV
- Summersville Municipal Building; Summersville, WV
- Hart Field Air Rescue Fire Fighting Building; Morgantown, WV
- Brucefon Bank, Sabraton Branch; Morgantown, WV
- Camp Dawson Billeting Facilities; Kingwood, WV



MATTHEW S. BREAKEY, AIA
PRINCIPAL
ARCHITECT
mbreakey@alphaaec.com

EMPLOYMENT HISTORY

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

EDUCATION

UNDERGRADUATE: Pennsylvania State University
Bachelor of Architecture; 1992
Bachelor of Science in Architecture; 1991

QUALIFICATIONS

LICENSE: Registered Architect;
West Virginia
Maryland
NCARB Certified

AFFILIATIONS

PROFESSIONAL: American Institute of Architects
West Virginia Society of Architects
The Council of Educational Facility Planner-International

CIVIC: Main Street Morgantown Board of Directors; Member
Main Street Morgantown Design Committee; Chairman
Chestnut Ridge Park Board; President



SUMMARY

Mr. Luttrell has worked with Alpha Associates, Inc. since 1996. He is the chief structural engineer for Alpha 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 West Virginia University Constructed Facilities Center. Since coming to Alpha, Mr. Luttrell has had a significant involvement in the effort to begin utilizing modern composite materials in practical bridge applications. Two recent Alpha bridge projects have been designed using these innovative materials.

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:

- Hazel Ruby McQuain Amphitheater Roof, Morgantown, WV
- West Buckeye Bridge, Core, WV
- South Jefferson High School, Charles Town, WV
- WVU Coliseum Asbestos Abatement Project (Scaffolding Design and Dome Structural Inspection); Morgantown, WV
- Morgantown Airport Air Rescue and Firefighting Building; Morgantown, WV
- WVU Coliseum Scoreboard Hoist Project; Morgantown, WV

PROJECT MANAGER:

Bridge Design:

- Blackshere Bridge; Mannington, WV
- South High Street Bridge; Morgantown, WV
- Market Street Bridge; Wheeling, WV
- West Buckeye Bridge; Core, WV
- Simpson Creek Covered Bridge; Marion County, WV
- Fletcher Covered Bridge; Marion County, WV
- Elkins Bypass, Spur A Bridge; Elkins, WV



CHARLES B. LUTTRELL, PE, SECB
PRINCIPAL
PROFESSIONAL ENGINEER
STRUCTURES
cluttrell@alphaaec.com

EMPLOYMENT HISTORY

PRIVATE INDUSTRY: 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

GRADUATE: West Virginia University
MS – Structural Engineering; 1995

UNDERGRADUATE: West Virginia University
BS – Civil Engineering; 1993

QUALIFICATIONS

LICENSE: Professional Engineer:
West Virginia, Maryland, Pennsylvania

AFFILIATIONS

PROFESSIONAL: West Virginia Society of Professional Engineers
National Society of Professional Engineers
Chi Epsilon; Member
American Concrete Institute; Member
Structural Engineering Certification Board

RESEARCH EXPERIENCE

STRUCTURAL: 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



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/Storm Water Management Design
- Site Engineering
- Project Management

PROFESSIONAL HIGHLIGHTS

Highway Design:

- Blackshere Bridge - Mannington, WV
- I-68 Welcome Center - Hazleton, WV
- I-77 Information Center - Williamstown, WV
- Lewis County High School Bridge - Weston, WV
- Wyoming County Route 10 Relocation - Wyoming County, WV

Commercial Site Plans:

- West Virginia High Technology Consortium - Fairmont, WV
- Doan Ford - Belmont, OH
- WVU Health Sciences Center Eastern Division - Martinsburg, WV
- Residence Inn - Morgantown, WV
- FFCU - Charles Pointe - Bridgeport, WV

Recreational Facilities Projects:

- Wyoming County Westside High School Athletic Facilities - Wyoming County, WV
- East/West Stadium Turf Replacement - Fairmont, WV
- Washington High School Athletic Complex - Charles Town, WV

Educational Projects:

- Anna Jarvis Elementary School - Grafton, WV
- Lewis County High School - Weston, WV
- Wyoming County East High School - Wyoming County, WV
- Wyoming County Westside High School - Wyoming County, WV
- Washington High School - Charles Town, WV



CHARLES B. BRANCH, PE
PRINCIPAL
CIVIL ENGINEER
cbranch@alphaaec.com

EMPLOYMENT HISTORY

PRIVATE INDUSTRY: 1992 – Present Alpha Associates, Incorporated
1988 – 1992 Reimer, Muegge, & Associates, Inc.

EDUCATION

UNDERGRADUATE: Fairmont State College
BS – Architectural Engineering Technology 1988
West Virginia University
BS – Civil Engineering 2000

QUALIFICATIONS

LICENSE: Professional Engineer
West Virginia



ARCHITECTS • ENGINEERS • SURVEYORS

SUMMARY

Mr. Pritts joined the Alpha Associates staff as an intern architect in the Morgantown office in 2004. In 2008 he became a Registered Architect and received his Leed Certification. Mr. Pritts has become a valuable asset to Alpha Associates. Since arriving at Alpha, he has gained experience in educational design and programmatic development.

PROFILE

Broad-based responsibilities in the following areas:

- Educational Design
- Programmatic Development
- Civic Design
- Commercial Design
- Green Building Design

PROFESSIONAL HIGHLIGHTS

ALPHA ASSOCIATES

Architectural Design:

- Potomac State College, ADA Connector Link; Keyser, WV
- Fairmont Federal Credit Union, Charles Pointe; Bridgeport, WV
- Washington High School; Charles Town, WV
- WVU Engineering Sciences, East Wing Addition; Morgantown, WV
- Ridgeley Community Center; Ridgeley, WV
- Jefferson County Emergency Services Agency; Ranson, WV

EMPLOYMENT HISTORY

PRIVATE INDUSTRY:	2004 - Current	Alpha Associates, Incorporated
	2003 - 2004	Marshall Craft Associates, Baltimore, MD

EDUCATION

UNDERGRADUATE:	Virginia Tech
	Bachelor of Architecture; 2004



QUALIFICATIONS

LICENSE/CERTIFICATIONS: Registered Architect:
West Virginia, Maryland
National Council of Architectural Registration Boards Certificate
Leadership in Energy and Environmental Design Accredited
Professional

AFFILIATIONS

PROFESSIONAL: AIA Member
USGBC - US Green Building Council
AUGI - Autodesk User Group International





U.S. ARMY CORPS OF ENGINEERS, BALTIMORE

**Army Reserve Aviation Facility
Johnstown, Pennsylvania**

- New 120,000 sq.ft. multi-building complex including an armed forces reserve center and an aviation maintenance shop

**Army Reserve Center
Beckley, West Virginia**

- New 300-member reserve center with training building and maintenance shop

**Army Reserve Center
Morgantown, West Virginia**

- New 300-member reserve center with training building and maintenance shop

**Army Reserve Center
Wheeling, West Virginia**

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

**Army Reserve Center
Rainelle, West Virginia**

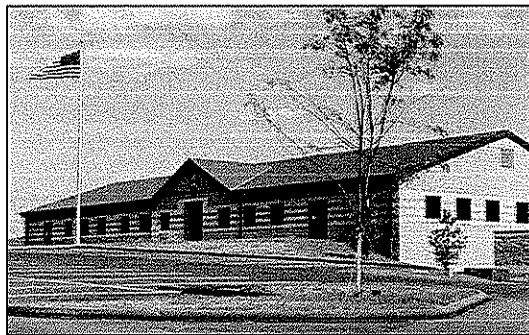
- New 200-member reserve center with training building and maintenance shop

**Army Reserve Center
Weirton, West Virginia**

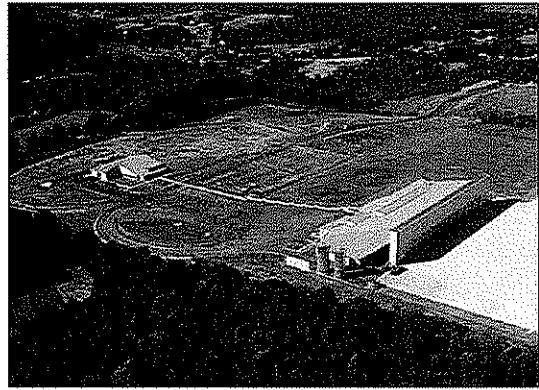
- New 200-member reserve center with training building and maintenance shop

**Army Reserve Center
Brownsville, Pennsylvania**

- New 200-member reserve center with training building and maintenance shop



Morgantown USARC. H.F. Lenz Company provided mechanical and electrical design services for this new reserve center.



The new \$22 million U.S. Army Reserve Aviation Facility in Johnstown includes a helicopter hangar and maintenance shop, a training building, and military aircraft and vehicle parking.

**Army Reserve Center
Johnstown, Pennsylvania**

- New 200-member reserve center with training building and maintenance shop

**Army Reserve Center
Kingwood, West Virginia**

- 100-member reserve center with training building and maintenance shop

**Army Reserve Center
Grantsville, West Virginia**

- New 100-member reserve center with training building and maintenance shop

**Army Reserve Center
Elkins, West Virginia**

- New 60-member reserve centers with training building and maintenance shop

**Morlock Army Reserve Center
Pittsburgh, Pennsylvania**

- HVAC modifications

**Copely Army Reserve Center
Oil City, Pennsylvania**

- Boiler addition

**Steele Army Reserve Center
Pittsburgh, Pennsylvania**

- Complete HVAC system replacement

**Camp Dawson
Kingwood, West Virginia**

- Three new billeting facilities



**Letterkenny Army Depot
Chambersburg, Pennsylvania**

- Five indefinite-delivery contracts for mechanical, electrical, civil, and structural engineering and surveying services

Fort Ritchie, Maryland

- Two indefinite-delivery contracts for mechanical, electrical, civil, and structural engineering and surveying services

**Ammunition Plant
Scranton, Pennsylvania**

- Upgrade lighting system in production shop

**911 Airlift Group
Greater Pittsburgh International Airport
Pittsburgh, Pennsylvania**

- Study and design of new Base Civil Engineer Facility
- Indefinite delivery contract for architectural and engineering services

U.S. ARMY CORPS OF ENGINEERS, NORFOLK

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

- Energy engineering analysis program, main hospital building

**U.S. ARMY CORPS OF ENGINEERS,
PHILADELPHIA**

**Corps of Engineers Offices
The Wanamaker Building
Philadelphia, Pennsylvania**

- Tenant fit-up

**PENNSYLVANIA DEPARTMENT OF MILITARY
AFFAIRS**

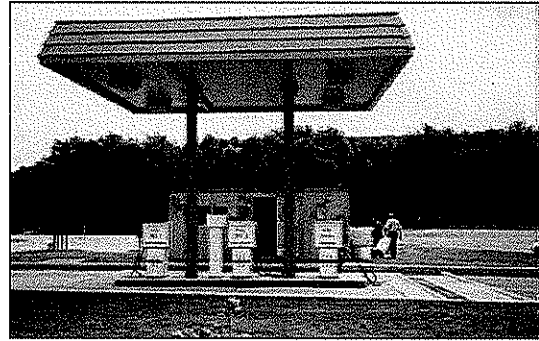
**Ford City Armory
Ford City, Pennsylvania**

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

**NAVAL FACILITIES ENGINEERING COMMAND,
NORTHERN DIVISION**

**Naval Air Station
Lakehurst, New Jersey**

- Air conditioning tune-up study



USAFRC 911th Airlift Wing. Repairs and alterations were designed for the 911th's gas station at this Air Force reserve center at the Greater Pittsburgh International Airport.

**Various Activities
Pennsylvania, New York, and New Jersey**

- Specialized energy studies

**Naval Ship Parts Control Center
Mechanicsburg, Pennsylvania**

- Administrative facility improvements

**NAVAL FACILITIES ENGINEERING COMMAND,
CHESAPEAKE & ATLANTIC DIVISION**

**Naval Research Laboratory
Washington, D.C.**

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

**Oceana Naval Station
Virginia Beach, Virginia**

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

DEPARTMENT OF DEFENSE

**National Drug Intelligence Center
Johnstown, Pennsylvania**

- Tenant fit-up including base building support systems for SCIF areas

DEPARTMENT OF GENERAL SERVICES

**Pennsylvania National Guard
Johnstown, Pennsylvania**

- New 23,560 sq.ft. Regional Maintenance Facility



Allegheny College

Meadville, Pennsylvania

- Cafilisch Hall historic dormitory study
- New 230-bed, 77,000 sq.ft. North Village Student Housing Phase II
- LEED™ Fundamental and Enhanced Commissioning for the new 55,000 sq.ft. North Quad Student Housing

Carnegie Mellon University

Pittsburgh, Pennsylvania

- New House First Year Residence Hall - 72,000 sq.ft., 260-bed, 135-room, five-story building - Achieved a **LEED™ 2.1 Silver Rating**
- LEED™ Fundamental Commissioning services for the 18,000 sq.ft. Henderson House Dormitory - **LEED™ Silver**
- Renovation of Moorewood Gardens dormitory
- Sprinkler upgrade for the Margaret Morrison Sorority House
- Sprinkler master plan for 28 residence halls

Case Western Reserve University

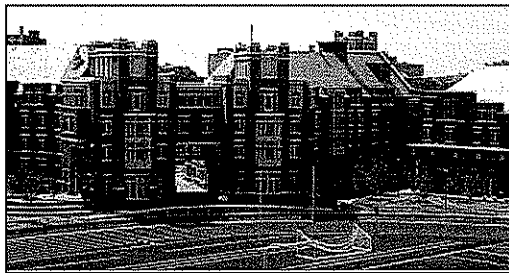
Cleveland, Ohio

- LEED™ Fundamental and Enhanced Commissioning for the North Residential Village Phase I

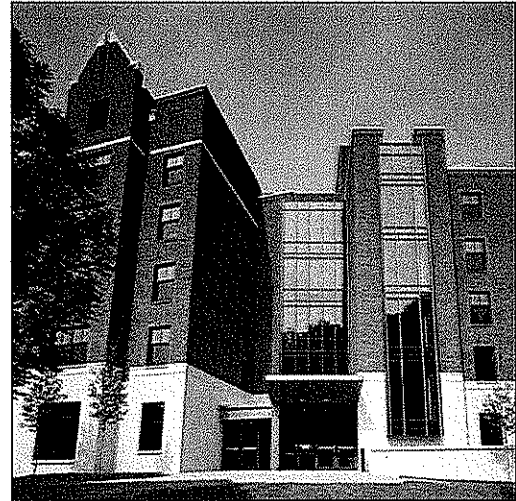
Clarion University

Clarion, Pennsylvania

- LEED™ Fundamental and Enhanced Commissioning for new 100,000 sq.ft. student housing project



Case Western Reserve University. HFL commissioned the North Residential Village Phase I consisting of 3 buildings totaling approximately 390,000 sq.ft. to house 700 students.



CMU New House. HFL was responsible for the MEP systems and the building was awarded a Silver LEED™ Designation.

**The Culinary Institute of America
Hyde Park, New York**

- New suite style housing units

**East Stroudsburg University
East Stroudsburg, Pennsylvania**

- Two new 200-bed student residence halls

**Edinboro University
Edinboro, Pennsylvania**

- Total building renovation of Reeder Hall and Rose Hall dormitories
- Renovation of Scranton Hall and Shaffer Hall dormitories
- Renovation of Dearborn and Earp Hall dormitories
- Residence hall study

**Franklin and Marshall College
Lancaster, Pennsylvania**

- New Ware College House Commons addition
- New Bonchak College House Commons addition
- New 48,000 sq.ft., four-story College House 6 residential building for 175 students including a 4,000 sq.ft. College House 6 Commons



- Master plan for the phased design and construction for future student housing needs for the college

**Gannon University
Erie, Pennsylvania**

- Dormitories

**Grove City College
Grove City, Pennsylvania**

- Dormitories

**Indiana University of Pennsylvania
Indiana, Pennsylvania**

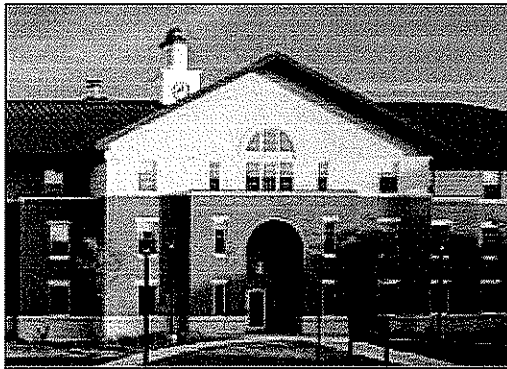
- Master Plan for new Student Housing; also provided engineering design services and LEED™ Fundamental Commissioning services for the new student housing which consists of 9 new buildings, totaling over 1.3 million sq.ft., and provides beds for 3,554 students
- Topographic & Utility Survey for student housing
- Residence Halls HVAC improvements

**Juniata College
Huntingdon, Pennsylvania**

- Dormitories

**La Roche College
Pittsburgh, Pennsylvania**

- Complete engineering design services for expansion of Bold Hall dormitory



La Roche College. The Bold Hall dormitory expansion consisted of two, four-story dormitory buildings, consisting of 25,000 sq.ft. per floor.



Indiana University of Pennsylvania. The Student Housing Master Plan consisted of 9 buildings to be developed through 4 phases.

**Lebanon Valley College
Lebanon Valley, Pennsylvania**

- New 150-bed student housing facility

**The Pennsylvania State University
Altoona, Pennsylvania**

- Dormitory and dining hall

**The Pennsylvania State University
Erie, Pennsylvania**

- Perry, Senat, Niagra and Lawrence Halls dormitory renovation

**The Pennsylvania State University
Harrisburg, Pennsylvania**

- New 100-bed student housing facility

**The Pennsylvania State University
Milton Hershey Medical Center, Penn State
College of Medicine
Hershey, Pennsylvania**

- Design of 105 unit graduate student housing

**The Pennsylvania State University
University Park, Pennsylvania**

- New 150-unit efficiency style apartments with kitchen and bathrooms, and separate laundry facilities; Project is being designed to achieve LEED™ Certification

**Robert Morris University
Moon Township, Pennsylvania**

- Infrastructure planning for new seven-story student apartment building



Rowan College

Glassboro, New Jersey

- New heating system in Mullica Hall dormitory

Saint Francis University

Loretto, Pennsylvania

- Renovation/restoration of historic Bonaventure Hall dormitory

Shippensburg University

Shippensburg, Pennsylvania

- Electrical and telecommunications upgrade, nine residence halls

Slippery Rock University

Slippery Rock, Pennsylvania

- Dormitories
- Site Design for 2,293-bed new student housing project

University of Charleston

Charleston, West Virginia

- New 54,600 sq.ft. dormitory

University of Pennsylvania

Philadelphia, Pennsylvania

- Mechanical and electrical renovation of three high-rise residential buildings; Rodin (formerly Hamilton House), Harrison House, and Harnwell house
- Heating systems renovations to Sansom Grad housing facility, which consists of four buildings
- Mechanical and electrical system evaluation report for the International House, which houses students and faculty

University of Pittsburgh at Johnstown

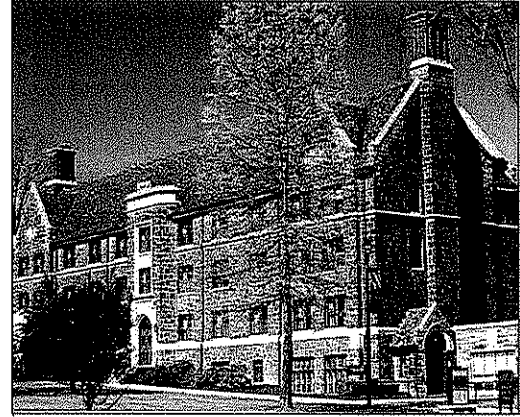
Johnstown, Pennsylvania

- Five dormitories
- New 400-bed Living and Learning Center

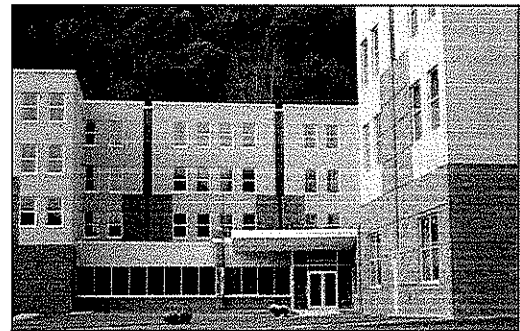
University of Pittsburgh

Pittsburgh, Pennsylvania

- Design/build of new 800-bed, three-building dormitory complex - Sutherland Hall
- McCormick Hall dormitory study
- Lighting study for 10 residence halls



Westminster College. H.F. Lenz Company was contracted for the electrical and telecommunications upgrade of nine residence halls totaling 300,000 sq.ft.



University of Charleston. Brotherton Hall is a new four-story, 54,600 sq.ft., 220-bed modern student residence hall.

Westminster College

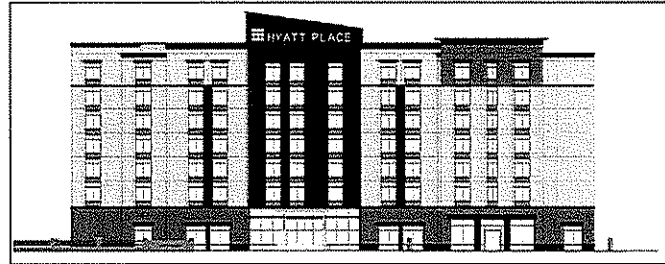
New Wilmington, Pennsylvania

- Life safety, fire alarm, and electrical system upgrades at nine dormitories



**North Shore Hyatt
Pittsburgh, Pennsylvania**

H.F. Lenz Company is providing MEP engineering design services for the new North Shore Hyatt Hotel in Pittsburgh, PA. The new structure will be a seven-story, 180-room hotel adjacent to the Pittsburgh Steelers Heinz Field and the Pittsburgh Pirates PNC Park sports stadium developments and casino. The construction is anticipated to be completed in 2010.



**SpringHill Suites by Marriott
Rutherford, New Jersey**

H.F. Lenz Company is providing MEP engineering design services for the new 180-room, high-rise hotel adjacent to the New York Giants Stadium. This was the first hotel in New Jersey designed with a back-up fire protection system to be utilized in a major seismic event (a new code requirement for New Jersey). Construction is anticipated to be completed in 2010.

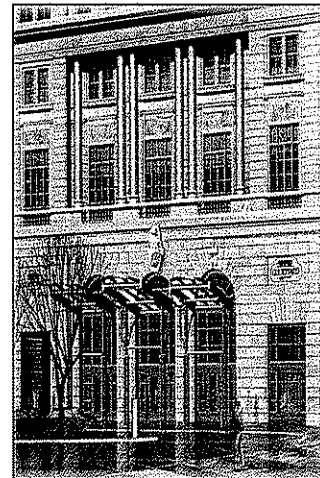


**Courtyard by Marriott
Philadelphia, Pennsylvania**

This Philadelphia historic renovation project involved the conversion of the historic City Hall Annex, into a Courtyard by Marriott hotel. The 350,000 sq.ft. structure was designed by City Architect Phillip H. Johnson and was completed in 1926. The building is listed on the National Register of Historic Places as a contributing member to the Broad Street Historic District.



H.F. Lenz Company provided complete mechanical, electrical, and fire protection/life safety engineering services for the \$50 million project. The new state-of-the-art mechanical and electrical systems were designed so as not to intrude upon significant features and architectural finishes.

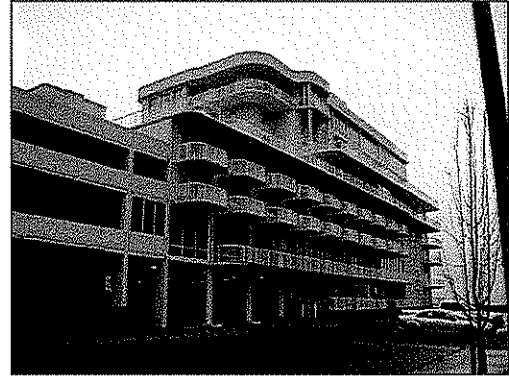


The project features 500 guest rooms with a full-service restaurant, 170-seat hotel bar/lounge, indoor pool, conference center, and other guest amenities. The renovated structure is compliant with the BOCA code as modified by the city of Philadelphia, and all other applicable federal, state and local requirements including the Americans with Disabilities Act.



**Quality Inn Beachfront Hotel
Ocean City, Maryland**

H.F. Lenz Company completed a due diligence study and report for the potential purchase of this 8-story hotel by the Sunburst Hospitality Group. The investigation included visual observations, photography, and interviews with select hotel staff. Existing drawings were also reviewed, but were found to be deficient with respect to as-built conditions and were of little use with regard to the mechanical and electrical systems investigation. Some of the recommended repairs included:



- Roof replacement
- Boiler replacement
- Cooling tower repair
- Domestic water pumps and piping replacement
- Fan coil unit system piping replacement
- Entrance sprinkler and piping replacement
- Miscellaneous electrical repair and replacement
- Miscellaneous fire alarm repair and replacement
- Condenser water pump replacement
- Heat pump system pump replacement
- Hotel ceiling repair or replacement

**Courtyard by Marriott and Residence Inn by Marriott
Elizabeth, New Jersey**

H.F. Lenz Company provided the mechanical and electrical design services for two new Marriott-owned hotels in Elizabeth, New Jersey. Both are 200-room facilities. A unique project element was that both hotels were built on a former sanitary landfill. Because of possible earth subsidence, all underground piping required extra support structures as well as cathodic protection. HFL also coordinated the design of the security systems, cable TV and point-of-sale network with the various Marriott vendors.

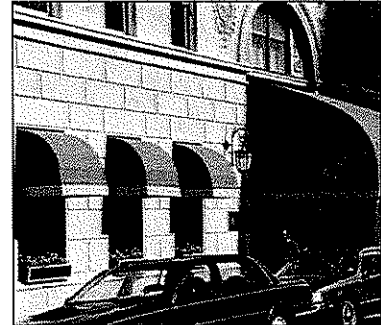
**Renaissance by Marriott
Nashville, Tennessee**

As part of a planned process, HFL provided electrical engineering services to upgrade the finishes of the main hotel ballroom and public assembly spaces on the lower three levels of this 30-story hotel. As part of this cosmetic renovation, a new electronic lighting control system was incorporated into the existing system and compact fluorescent downlights were installed.



**The Barclay Hotel
Philadelphia, Pennsylvania**

In 1996, H.F. Lenz Company became involved with a project to renovate and return the historic Barclay Hotel to upscale hotel and condominium use. The 22-story, 335,000 sq.ft. structure was built in 1929 and was once one of Philadelphia's premier hotels.



H.F. Lenz Company's engineering services included:

- Mechanical and electrical code analysis to determine the requirements for the HVAC, electrical, fire alarm, plumbing, and sprinkler/standpipe systems relative to federal, state, and local codes.
- Evaluation of alternate methods of heating, ventilating, and air conditioning the structure.
- Development of preliminary construction documents and outline specifications for pricing purposes.

**Courtyard by Marriott
Latrobe, Pennsylvania**

H.F. Lenz Company provided engineering services to Sierra Associates, Pittsburgh, PA, for the preparation of site development plans for a 78-room Courtyard by Marriott on a 4.29 acre tract of the Eastpointe Technology Park in Unity Township, Latrobe, PA.

Services included design of an 89-space parking lot, preparation of utility plans, including sanitary sewerline extension, water, telephone and electric services, investigation of zoning and land development ordinances, and coordination with local governmental agencies.

**Alexandria Residence Inn by Marriott
Alexandria, Virginia**

H.F. Lenz Company provided the mechanical and electrical design systems for an eight-story, 230-room hotel in historic "Old Town" area of Alexandria, Virginia

**Merrifield Courtyard
Dunn Loring, Virginia**

H.F. Lenz Company provided design services for mechanical, electrical, plumbing, and telecommunications systems for a new nine-story, 200-room hotel.

**SpringHill Suites by Marriott
Meadowlands, New Jersey**

H.F. Lenz Company provided design services for mechanical and electrical systems for a new ten-story, 216-room hotel.

**Residence Inn
White Plains, New York**

H.F. Lenz Company provided MEP design services for lobby and room renovations.



**Hotel duPont and Learning Conference Center
Wilmington, Delaware**

The H.F. Lenz Company provided mechanical and electrical design services for duPont's high-rise corporate office complex in Wilmington, Delaware. In addition to the restoration and renovation of the historic, world-class Hotel duPont with 190 guest rooms, the project also included a new 28,000 sq.ft. Learning Conference Center constructed in light well space within the existing building. Other parallel renovation projects involved hotel offices, function rooms, and utility service upgrades.



The design incorporated energy-conserving features such as an energy-efficient HVAC system including a new central heating/cooling plant with a swing chiller to reduce main building chiller usage and a heat recovery coil for free cooling.

The 250,000 sq.ft. project was completed at a cost of \$40 million.

**SpringHill Suites by Marriott
Newark, New Jersey**

H.F. Lenz Company provided design services for mechanical and electrical systems for a new six-story, 200-room hotel.

**Hyatt Fair Lakes
Fairfax, Virginia**

As part of this renovation project, HFL provided mechanical and electrical engineering services. Work was completed in the restaurant and lounge area, which is located on the ground floor of this hotel. New food service equipment was incorporated and adjacent toilet facilities were brought up to ADA standards.

**Microtel Inn & Suites
Waynesburg, Pennsylvania**

H.F. Lenz Company provided civil and structural design services for this four-story, wood frame facility.

**Microtel Inn & Suites
Maumee, Ohio**

H.F. Lenz Company provided structural design services for this four-story, wood frame, 85-room facility.



Atlantic Palace Hotel
Atlantic City, New Jersey

The H.F. Lenz Company provided the mechanical and electrical design services necessary to upgrade an existing 30-story high-rise hotel and condominium facility to current code ventilation standards. The project involved conducting a building assessment and code compliance audit. Alternate solutions were then developed for the ventilation system along with the construction cost estimates and a project implementation plan.

It was determined that a phased construction program renovating two floors at a time would be the best solution to permit continued building occupancy. The HVAC system introduced fresh ventilation air through makeup air fans on the roof. The duct shaft was designed as a combination fresh air/stairwell pressurization system to enable using the very limited shaft space available. Each floor was then retrofitted to provide fresh air to each condo unit during normal operation. A set of changeover dampers would then revert the air supply to pressurize the stairtowers and supply makeup air to the corridor exhaust during a fire event. Smoke evacuation controls were also integrated to exhaust the building corridors as well. A completely new fire alarm system was installed along with smoke detection of the corridors, elevators, lobbies, and all sleeping rooms.

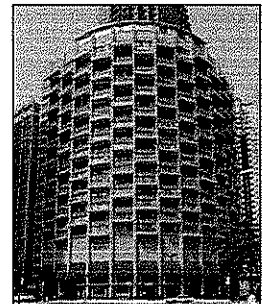
Additional renovations included a 15,000 sq.ft. outdoor plaza level upgrade overlooking the Boardwalk and the Atlantic Ocean which consisted of lighting, receptacles, two pools, and two hot tubs. The main hotel lobby was renovated as well.

Town Place Suites
Springfield, Virginia

H.F. Lenz Company provided complete design services for mechanical, electrical, and fire protection systems for this four-story, 149-room hotel.

The Windsor Hotel
Philadelphia, Pennsylvania

H.F. Lenz Company provided mechanical and electrical engineering services to renovate the main lobby of this extended stay facility. The HVAC system was reconfigured with a new heat pump unit and new lighting was provided.



Hyatt Dulles
Herndon, Virginia

H.F. Lenz Company provided mechanical and electrical engineering services for the renovation of the restaurant and lounge, located on the ground level of this building. This project included new food service equipment and ADA upgrades to the adjacent toilet facilities.

Courtyard by Marriott
Waterbury, Connecticut

H.F. Lenz Company provided MEP design services for lobby and room renovations.



**Bedford Springs Hotel
Bedford, Pennsylvania**

The Shorber's Run Development Company, LLC proposed improvements to the Bedford Springs Hotel, located along State Route 4009 (Business Route 220) in Bedford County, Pennsylvania. The Area of Potential Effect, the Bedford Springs Hotel Historic District, consists of approximately 300 acres of land that stretches southwest along Shorber's Run Creek between State Route 4009 and Sweet Root Road, Township Road 408. The focal point of the proposed improvements was the main hotel complex.



As part of the project, there were four transportation improvements which were authorized by Section 1278 of the Transportation Equity Act for the 21st Century (TEA-21): (1) rehabilitation of a pedestrian bridge which crosses S.R. 4009, Section BSH and the reconstruction of the Colonial Revival-style pergola and porte cochere which connected the colonial building to the pedestrian bridge at the turn of the century; (2) construction of flood controls measures in Shorber's Run which is adjacent to S.R. 4009, Section BSH; (3) construction of parking facilities for the Bedford Springs Redevelopment Project; and (4) construction of an emergency access road along S.R. 4009, Section BSH to the Bedford Springs Hotel.

**The Conference Center at Pitt-Johnstown
Johnstown, Pennsylvania**

The University of Pittsburgh built this premier resort-like facility on a wooded campus tucked away in the scenic Laurel Mountains of west central Pennsylvania. The conference center boasts May-through-August accommodations for up to 1,800 people, including 200 double-occupancy rooms in the new Living/Learning Center. Each room includes a private bath, telephone, and microwave/refrigerator.



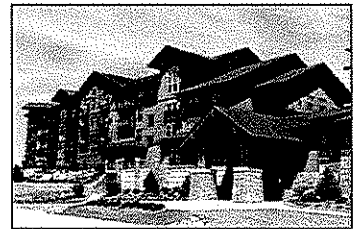
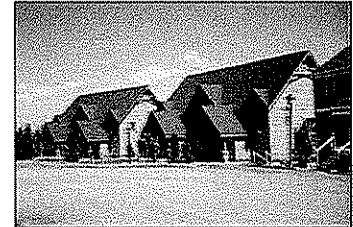
The H.F. Lenz Company provided complete mechanical, electrical, plumbing, fire protection, and telecommunications design for the 100,000 sq.ft. housing center and the 25,000 sq.ft. conference center. The housing center is used for conference participants in the summer months. The conference center is available year-round to the general public.

The conference center consists of a banquet room that holds 400 people and can be segmented into three rooms by moveable partitions; five smaller meeting rooms accommodating from 25 to 50 people; a kitchen/cafeteria with seating for 200; administrative offices; a gift shop; a teleconferencing center; exercise room and sauna; TV lounge; game room; and laundry facilities.



**Snowshoe Mountain Resort
Snowshoe, West Virginia**

Camp 4 Condominiums. Snowshoe is a year-round resort situated in the Allegheny Mountains of West Virginia. The owners chose land with a spectacular mountain view to build residential, townhome-style condominiums, calling the private enclave "Camp 4." This premier development features exclusive ski-in, ski-out residences and is considered to be the first outpost of the new resort.



H.F. Lenz Company provided mechanical, electrical, plumbing, fire protection, and structural design services for prototypical one-, two-, and three-bedroom condominium units for Snowshoe's Camp 4 site. Phase I of the project included the construction of 17 units and a hot tub building.

Rimfire Lodge. Rimfire Lodge is the cornerstone of the new mountain village at Snowshoe Mountain Resort. The development consists of 150 residential units; village-level retail stores, a delicatessen, and restaurant; below-grade parking; a fitness area; a hearth-room lounge; ski lockers; and laundry facilities.

H.F. Lenz Company was responsible for the mechanical, electrical, plumbing, and structural engineering design for the entire development.

Check-in Building. The building was constructed to provide a single point for resort guests to check-in to the hotel, purchase lift tickets, allow luggage to be transferred, and valet park their vehicles.

**Volcano Island Resort
Fairmont, West Virginia**

H.F. Lenz Company is providing mechanical, electrical, plumbing, and structural engineering services for this new \$100 million project. The resort will be built at the 107-acre Fairmont Coke Works/Sharon Steel industrial site off Interstate 79 at exit 139 near Pricketts Fort. The project site construction preparation began in 2008. Construction is anticipated to be completed in 2010.



In addition to the 50,000 sq.ft. indoor water park open year and the 5-acre outdoor water park, Phase I of the project will include the Visa Hotel and Conference Center including 300 deluxe rooms and suites, kid-themed bunk suites, two-bedroom family suites, themed full-service restaurant and lounge, 30,000 sq.ft. conference and meeting space, 11,000 sq.ft. grand ballroom, more than 10,000 sq.ft. of additional break-out space, and a full-service day spa.

This project will be the largest private development project in Marion County history, and one of the largest in state history.



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. 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. His project experience includes:

West Virginia Army National Guard
Kingwood, West Virginia
Design for a new billeting facility at Camp Dawson

University of Charleston
Charleston, West Virginia
New 55,000 sq.ft. design/build dormitory

Snowshoe Mountain Resort
Snowshoe, West Virginia
– Camp 4: *Fast-track design of prototypical one-, two-, and three-bedroom condominium units for a new residential resort development*
– Rimfire Lodge: *150 residential condominium units, retail shops, and restaurant*
– Highland House: *67 unit condominium building*
– Seneca Building: *57 unit condominium building*

Oglebay Resort
Wheeling, West Virginia
Wilson Lodge Addition: New 4-story, 48-unit lodge building

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, including 90% design for a new 200-bed Marine Corps Reserve barracks

U.S. Army Reserve Center
Wheeling, West Virginia
Design/build reserve center

U.S. Army Reserve Aviation Center
Weirton, West Virginia
Design/build reserve center

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 5 IDCs

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

Education

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

Experience

H.F. Lenz Company 1992 – Present • Parfitt/Ling Consulting Engineers 1990 - 1992
Gary Johnston & Assoc., Inc. 1987 - 1990

Professional Certification

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

Professional Affiliations

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



Mr. 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*

Baltimore Corps of Engineers
New Cumberland, Pennsylvania
Electrical design for new billeting facility

University of Charleston
Charleston, West Virginia
*New 55,000 sq.ft., four-story, 220-bed
Brotherton Hall*

Letterkenny Army Depot
Chambersburg, Pennsylvania
Various projects under several IDCs

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

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

Snowshoe Mountain Resort
Snowshoe, West Virginia
*– Camp 4: Fast-track design of prototypical
one-, two-, and three-bedroom condominium
units for a new residential resort development*

*– Rimfire Lodge: Design of a mountain-top
resort development including 150 residential
condominium units, retail shops, and
restaurant*

*– Seneca Building: Design of a 52 unit
condominium building consisting of one-,
two-, and three-bedroom units*

*– Highland House: 67 unit condominium
building including retail shops*

Volcano Island Resort
Fairmont, West Virginia
*New \$100 million resort, including the Visa
Hotel and Conference Center which will have
300 deluxe rooms and suites, kid-themed suites,
and two-bedroom family suites*

North Shore Hyatt
Pittsburgh, Pennsylvania
New 180-room hotel

SpringHill Suites by Marriott
Rutherford, New Jersey
New 180-room, high-rise hotel

Carnegie Mellon University
Pittsburgh, Pennsylvania
*New 70,000 sq.ft., 125-room, \$10M first year
residence hall – LEED™ Silver*

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

Education

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

Experience

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

Professional Registration / Certification

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

Professional Affiliations

Institute of Electrical and Electronics Engineers, Inc.



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

University of Charleston
Charleston, West Virginia
New 55,000 sq.ft., four-story, Brotherton Hall student residence hall

Volcano Island Resort
Fairmont, West Virginia
New 50,000 sq.ft. indoor water park, resort, and conference center - project is in design

Snowshoe Mountain Resort
Snowshoe, West Virginia
- Camp 4: *Fast-track design of prototypical one-, two-, and three-bedroom condominium units for a new residential resort development*
- Rimfire Lodge: *150 residential condominium units, retail shops, and restaurant*
- Highland House: *67 unit condominium building*
- Seneca Building: *57 unit condominium building*

Carnegie Mellon University
Pittsburgh Pennsylvania
New 70,000 sq.ft. first year residence hall - Silver LEED™ Certified Building

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.*

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

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

Dyess Air Force Base*
Abilene, Texas
- *Base Headquarters*
- *80,000 sq.ft. office building renovation*

Education

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

Experience

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

Professional Registration / Certification

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

Professional Affiliations

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



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

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

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

U.S. Army Reserve Aviation Facility
Johnstown, Pennsylvania
Fire protection system design for a new 120,000 sq.ft. multi-building reserve center, including 90% design for a new 200-bed Marine Corps Reserve barracks

University of Charleston
Charleston, West Virginia
New 55,000 sq.ft. design/build dormitory

Snowshoe Mountain Resort
Snowshoe, West Virginia

- Camp 4: *Fast-track design of prototypical one-, two-, and three-bedroom condominium units for a new residential resort development*
- Rimfire Lodge: *150 residential condominium units, retail shops, and restaurant*
- Seneca Building: *Design of a 52 unit condominium building consisting of one-, two-, and three-bedroom units*
- Highland House: *67 unit condominium building including retail shops*

Education

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

Experience

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

Professional Certification

Certified in Plumbing Design, ASPE

Oglebay Resort
Wheeling, West Virginia
New 4-story, 48-unit Wilson Lodge Addition

Volcano Island Resort
Fairmont, West Virginia
New \$100 million resort, including the Visa Hotel and Conference Center

North Shore Hyatt
Pittsburgh, Pennsylvania
New 180-room hotel

SpringHill Suites by Marriott
Rutherford, New Jersey
New 180-room hotel

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

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

Letterkenny Army Depot
Chambersburg, Pennsylvania
Various projects under 5 IDCs

Client ReferencesALPHA ASSOCIATES,
INCORPORATED
Firm Profile

ALPHA ASSOCIATES, INCORPORATED

Client References

Recently Constructed Projects

Dirar Ahmad
West Virginia Division of Highways
Building 5
1900 Kanawha Blvd., East
Charleston, WV 25305-0430
304-558-2830

Don Reinke
Mon County Development Authority
PO Box 188
Morgantown, WV 26507
304-296-6684

Monty Warner
McCoy 6 Properties
401 Grand Central Station Dr # 6002
Morgantown, WV 26505
304-291-2548

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

Bob Hammell
City of Morgantown - Morgantown Municipal Airport
100 Hart Field
Morgantown, WV 26505
304-291-7461



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