



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:
DEFK8179

PAGE
1

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

**RFQ COPY
 TYPE NAME/ADDRESS HERE**

Alpha Associates, Inc
 209 Prairie Avenue
 Morgantown, WV 26501

**DIV ENGINEERING & FACILITIES
 CAMP DAWSON ARMY TRAINING SITE
 240 ARMY ROAD**

**KINGWOOD, WV
 26537-1077 304-329-4417**

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
03/13/2008				

BID OPENING DATE: **04/09/2008** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-07		
ARCHITECT SERVICES, PROFESSIONAL						
EXPRESSION OF INTEREST (EOI)						
CONTRACT TO PROVIDE ARCHITECT AND ENGINEERING SERVICES FOR THE WEST VIRGINIA ARMY NATIONAL GUARD, CAMP DAWSON MULTIPURPOSE BUILDING, KINGWOOD, WV, PER THE SPECIFICATIONS.						
EXHIBIT 10						
REQUISITION NO.:						
ADDENDUM ACKNOWLEDGEMENT						
I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.						
ADDENDUM NO.'S:						
NO. 1						
NO. 2						
NO. 3						
NO. 4						
NO. 5						

RECEIVED
 2008 APR -8 A 10: 18
 PURCHASING DIVISION
 STATE OF WV

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
SIGNATURE <i>[Signature]</i>	TELEPHONE 304-296-8216	DATE 4/4/08
TITLE President and COO	FEIN 550516286	ADDRESS CHANGES TO BE NOTED ABOVE

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



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<p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.</p> <p>VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.</p> <p style="text-align: center;"><i>[Signature]</i> SIGNATURE</p> <p style="text-align: center;">.. Alpha Associates, Inc COMPANY</p> <p style="text-align: center;">..... 4-7-08 DATE</p> <p style="text-align: center;">VENDOR PREFERENCE CERTIFICATE</p> <p>CERTIFICATION AND APPLICATION* IS HEREBY MADE FOR PREFERENCE IN ACCORDANCE WITH WEST VIRGINIA CODE, 5A-3-37 (DOES NOT APPLY TO CONSTRUCTION CONTRACTS).</p> <p>A. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED:</p> <p>() BIDDER IS AN INDIVIDUAL RESIDENT VENDOR AND HAS RESIDED CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
<i>[Signature]</i>	304-296-8216	4/4/08

TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE
President and COO	550516286	

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<p>(X) BIDDER IS A PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR AND HAS MAINTAINED ITS HEAD-QUARTERS OR PRINCIPAL PLACE OF BUSINESS CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR 80% OF THE OWNERSHIP INTEREST OF BIDDER IS HELD BY ANOTHER INDIVIDUAL, PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR WHO HAS MAINTAINED ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR</p> <p>() BIDDER IS A CORPORATION NONRESIDENT VENDOR WHICH HAS AN AFFILIATE OR SUBSIDIARY WHICH EMPLOYS A MINIMUM OF ONE HUNDRED STATE RESIDENTS AND WHICH HAS MAINTAINED ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS WITHIN WEST VIRGINIA CONTINUOUSLY FOR THE FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION.</p> <p>B. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED:</p> <p>() BIDDER IS A RESIDENT VENDOR WHO CERTIFIES THAT, DURING THE LIFE OF THE CONTRACT, ON AVERAGE AT LEAST 75% OF THE EMPLOYEES WORKING ON THE PROJECT BEING BID ARE RESIDENTS OF WEST VIRGINIA WHO HAVE RESIDED IN THE STATE CONTINUOUSLY FOR THE TWO YEARS IMMEDIATELY PRECEDING SUBMISSION OF THIS BID;</p> <p>OR</p> <p>() BIDDER IS A NONRESIDENT VENDOR EMPLOYING A MINIMUM OF ONE HUNDRED STATE RESIDENTS OR IS A NONRESIDENT VENDOR WITH AN AFFILIATE OR SUBSIDIARY WHICH MAINTAINS ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS WITHIN WEST VIRGINIA EMPLOYING A MINIMUM OF ONE HUNDRED STATE RESIDENTS WHO CERTIFIES THAT,</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE *[Signature]* TELEPHONE **304-296-8216** DATE **4/4/08**

TITLE **President and COO** FEIN **550516286** ADDRESS CHANGES TO BE NOTED ABOVE

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VENDOR

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SHIP TO

**DIV ENGINEERING & FACILITIES
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<p>DURING THE LIFE OF THE CONTRACT, ON AVERAGE AT LEAST 75% OF THE EMPLOYEES OR BIDDERS' AFFILIATE'S OR SUBSIDIARY'S EMPLOYEES ARE RESIDENTS OF WEST VIRGINIA WHO HAVE RESIDED IN THE STATE CONTINUOUSLY FOR THE TWO YEARS IMMEDIATELY PRECEDING SUBMISSION OF THIS BID.</p> <p>BIDDER UNDERSTANDS IF THE SECRETARY OF TAX & REVENUE DETERMINES THAT A BIDDER RECEIVING PREFERENCE HAS FAILED TO CONTINUE TO MEET THE REQUIREMENTS FOR SUCH PREFERENCE, THE SECRETARY MAY ORDER THE DIRECTOR OF PURCHASING TO: (A) RESCIND THE CONTRACT OR PURCHASE ORDER ISSUED; OR (B) ASSESS A PENALTY AGAINST SUCH BIDDER IN AN AMOUNT NOT TO EXCEED 5% OF THE BID AMOUNT AND THAT SUCH PENALTY WILL BE PAID TO THE CONTRACTING AGENCY OR DEDUCTED FROM ANY UNPAID BALANCE ON THE CONTRACT OR PURCHASE ORDER.</p> <p>BY SUBMISSION OF THIS CERTIFICATE, BIDDER AGREES TO DISCLOSE ANY REASONABLY REQUESTED INFORMATION TO THE PURCHASING DIVISION AND AUTHORIZES THE DEPARTMENT OF TAX AND REVENUE TO DISCLOSE TO THE DIRECTOR OF PURCHASING APPROPRIATE INFORMATION VERIFYING THAT BIDDER HAS PAID THE REQUIRED BUSINESS TAXES, PROVIDED THAT SUCH INFORMATION DOES NOT CONTAIN THE AMOUNTS OF TAXES PAID NOR ANY OTHER INFORMATION DEEMED BY THE TAX COMMISSIONER TO BE CONFIDENTIAL.</p> <p>UNDER PENALTY OF LAW FOR FALSE SWEARING (WEST VIRGINIA CODE 61-5-3), BIDDER HEREBY CERTIFIES THAT THIS CERTIFICATE IS TRUE AND ACCURATE IN ALL RESPECTS; AND THAT IF A CONTRACT IS ISSUED TO BIDDER AND IF ANYTHING CONTAINED WITHIN THIS CERTIFICATE CHANGES DURING THE TERM OF THE CONTRACT, BIDDER WILL NOTIFY THE PURCHASING DIVISION IN WRITING IMMEDIATELY.</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *John Abbott* TELEPHONE: 304-296-8216 DATE: 4/4/08

TITLE: President and COO FEIN: 550516286 ADDRESS CHANGES TO BE NOTED ABOVE

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BIDDER: <i>Alpha Associates, Incorporated</i>						
DATE: <i>4-7-08</i>						
SIGNED: <i>[Signature]</i>						
TITLE: <i>President & COO</i>						
<p>* CHECK ANY COMBINATION OF PREFERENCE CONSIDERATION(S) IN EITHER "A" OR "B", OR BOTH "A" AND "B" WHICH YOU ARE ENTITLED TO RECEIVE. YOU MAY REQUEST UP TO THE MAXIMUM 5% PREFERENCE FOR BOTH "A" AND "B". (REV. 12/00)</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>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>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>[Signature]</i>	TELEPHONE 304-296-8216	DATE 4/4/08
TITLE President and COO	FEIN 550516286	ADDRESS CHANGES TO BE NOTED ABOVE

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Alpha Associates, Inc
 209 Prairie Avenue
 Morgantown, WV 26501

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RFQ. NO.:				DEFK8179	-----	
BID OPENING DATE:				04/09/2008	-----	
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	-----	
***** THIS IS THE END OF RFQ DEFK8179 ***** TOTAL: _____						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Richard A. Colebank</i>	TELEPHONE 304-296-8216	DATE 4/4/08
TITLE President and COO	FEIN 550516286	ADDRESS CHANGES TO BE NOTED ABOVE

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STATE OF WEST VIRGINIA
Purchasing Division**PURCHASING AFFIDAVIT**

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

DEFINITIONS:

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

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

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

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. Vendors should visit www.state.wv.us/admin/purchase/privacy for the Notice of Agency Confidentiality Policies.

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

Vendor's Name: Alpha Associates, Inc

Authorized Signature:  Date: 4/4/08

Firm ProfileALPHA ASSOCIATES,
INCORPORATED
2008**Firm Profile**

Alpha Associates, Incorporated

Firm Name: Alpha Associates, Incorporated

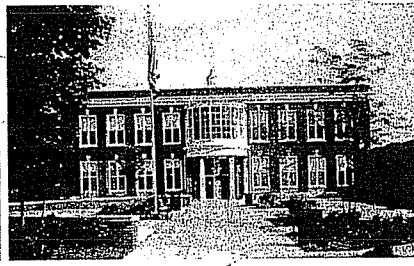
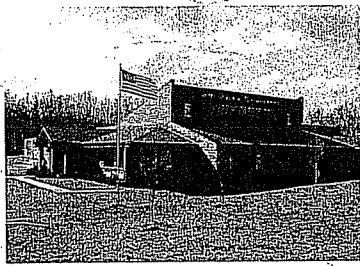
Corporate Office: 209 Prairie Avenue
Morgantown, West Virginia 26501

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 Luttrell, PE; Principal
Steven Buchanan, PE, PS; Principal
Matthew Breakey, AIA; Principal
Charles Branch, PE; Principal

Number of Employees: 42 Employees



Alpha Associates, Incorporated was established in 1969 and since that time has completed a multitude 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



ARCHITECTS • ENGINEERS • SURVEYORS

April 4, 2008

Department of Administration
Purchasing Division
Building 15
2019 Washington Street, East
Charleston, WV 25305-0130

RE: ***Expression of Interest for Architectural and Engineering Services for the
West Virginia Army National Guard Facility
Camp Dawson; Kingwood, WV***

Dear Selection Committee,

Alpha Associates, Incorporated wants to be the firm you select for the architectural and engineering services for the West Virginia Army National Guard Facility in at Camp Dawson. Since 1969, Alpha Associates, Incorporated has been serving our surrounding communities. Throughout our more than 38 years of experience, our service to the client remains the number one goal at Alpha. We have provided architectural and engineering design services for various private and public clients, including the Army National Guard at Camp Dawson. Alpha would like to continue our relationship with the Army National Guard and include the multi purpose facility to that list of successful projects.

Alpha is confident that the team we have established can produce this project with professionalism and service that is unmatched by our competition. Included in this Expression of Interest is information about the team members we have selected, as well as how we anticipate approaching this project.

Alpha has been in business for more than 38 years and has made our reputation by providing exceptional service to our clients from beginning to beyond completion of project. We wish to develop clients, not projects, and strive to build lasting relationships that will transcend the project. Our quality work, professionalism and dedication are unparalleled. Alpha's design staff is ready to begin work immediately. We look forward to sharing our ideas with you.

Sincerely,

ALPHA ASSOCIATES, INCORPORATED

Richard A. Colebank, PE, PS
President and COO



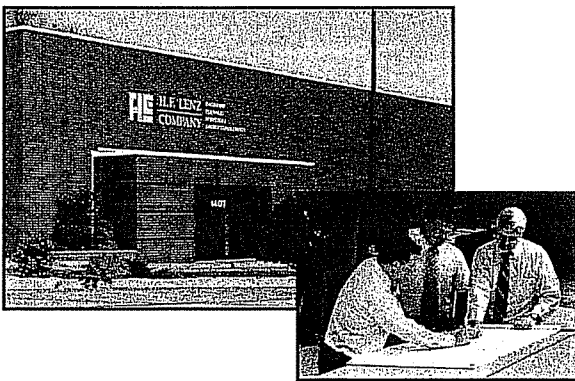
H.F. LENZ
COMPANY

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 60 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 45 Professional Engineers licensed in a total of 41 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.



The H.F. Lenz Company presently employs 182 people in our Johnstown, Pennsylvania headquarters and our satellite offices in Pittsburgh and Erie. Within the firm, all engineering disciplines are represented in-house. Additionally, all of our engineers are cross-trained among the various disciplines, leading to improved communication and overall project efficiency.

The following is a breakdown of our staff capacity:

MECHANICAL/ELECTRICAL DIVISION 97 Total

- 33 Mechanical
- 23 Electrical
- 4 Plumbing/Fire Protection
- 37 Technicians/CADD Operators

CIVIL/STRUCTURAL/SURVEY DIVISION 34 Total

- 13 Civil
- 9 Structural
- 6 Technicians/CADD Operators
- 5 Surveyors
- 1 Construction Inspector

ADDITIONAL STAFF 51 Total

- 9 Construction Inspectors
- 7 Technicians/CADD Operators
- 35 Support Services

182 Total Personnel



H.F. Lenz Company's projects are located throughout the United States, and our 45 Professional Engineers are registered in a total of 41 states, as shown in the map to the left.

COMPANY OVERVIEW

Crawford Consulting Services, Inc. (CRAWFORD) was founded in March 1993 by Mary F. Crawford, CPE, AVS. CRAWFORD is a 100% Woman-Owned and certified 8(a) and Small Disadvantaged Business headquartered in Pittsburgh, PA and provides a wide range of construction-related services ranging from pre-construction through occupancy, including cost estimating, cost engineering, CPM scheduling, value engineering, contract support services, inspections, project management, construction management, owner's representation, and general construction. Our extensive portfolio consists of projects successfully completed for federal, public, and private clients ranging in size from under 10,000 SF to more than 800,000 SF.

COST ESTIMATING SERVICES

CRAWFORD consists of seasoned construction veterans whose years of experience with construction projects of all types and magnitude ensures that the estimates we provide to our clients are highly accurate and detailed for all 16-construction divisions. Our professional staff is multi-skilled and cross-trained to provide maximum flexibility with varying workloads. Given that cost estimating is our specialty, we remain current in our knowledge of local trade practices, material prices, labor and equipment rates, and market conditions that can affect both the cost and construction timelines for any given project. CRAWFORD has an excellent track record for producing cost estimates that closely approximate the bid cost of a project when project parameters have not changed between the estimate development and actual bidding process.

The cost estimating software programs we utilize include WinEst, PACES, SUCCESS, MCACES Gold, MCACES for Windows (MFW) and MCACES Second Generation (MII). We are also very familiar with all of the software applications related to each, work breakdown structure, working with alternates/multiple base bids and Unit Price Books (UPB's).

COST ESTIMATING ACCURACY

In the current marketplace, construction material rates are constantly fluctuating. Items such as copper, steel, and concrete are highly inflated at this time. Nationally, there is also a large problem with construction bids significantly exceeding the project allocation. As a result, both labor and material rates need to continuously be monitored to ensure accuracy in cost estimating and cost engineering.

Our extensive market research and studies are conducted on all projects and consists of contacting local suppliers, construction trades, specialty contractors, area-specific local unions and halls for labor/material availability and rates within each locality. This effort has resulted in our 3%-5% cost estimating accuracy rate as well as being within an awardable range on a majority of our projects. In addition, we maintain a large list of repeat clients which is a testimony to our ability to provide accurate cost estimates.

Many of our clients request cost estimates at the Conceptual / Schematic Design Phase only, which are not representative of the final construction cost as the drawings are not yet fully designed and often include scope changes. Other clients need estimates at all three phases of design – Schematic Design, Design Development and Construction Documents. When CRAWFORD provides cost estimates at all three phases, we are able to track end costs more thoroughly.

SPIRIT AND LEED EVALUATION

The CRAWFORD Team has completed many design-build and design-bid-build projects involving sustainable design, including SPIRIT and LEED certification. In addition, we currently have estimating personnel who are in the process of becoming LEED certified. The green building process requires additional effort on the part of all those involved in the design process, including the cost estimating consultant, particularly in the early stages involving research into products and technologies. Unless green strategies are incorporated at the beginning of the project, they almost always result in additional first costs, although they produce intangible benefits of environmental sensitivity and long-term cost savings. We take an aggressive approach toward maintaining the bottom line in projects pursuing LEED certification and suggest incorporating as much green as possible into the project budget.




FIRM AWARDS AND RECOGNITION

Mary F. Crawford, a Certified Professional Estimator (CPE) and Associate Value Specialist (AVS), was selected as the SBA'S 2005 Western PA Woman-Owned Business of the Year and the 2004 Woman Business of the Year by the Minority Business Opportunity Committee.

In 2002, she was selected by the Naval Facilities Engineering Command Headquarters as one of only six Woman-Owned Businesses across the United States to participate in a DoD Business Technical Assistance Pilot Program. Other awards include the prestigious Business Owner of the Year award in 2001 from the National Association of Woman Business Owners as well as the Fifty Best Women in Business award in 1999 from the Commonwealth of Pennsylvania's Department of Commercial and Economic Development. Ms. Crawford is also the President of the Three Rivers Chapter of the American Society of Professional Estimators, and Certification Chair for the Western PA region.

"Alpha's Project Approach"

The development of a team is of utmost importance when determining how to approach a project. How do we select team members for a project? The qualities we look for in a teaming partner are quality, efficiency and cooperation. Alpha has carefully selected a team of consultants who exceed our expectations in each category. The following is a breakdown of the team and their responsibilities.

		
<ul style="list-style-type: none"> • Architectural Design • Structural Engineering • Civil Engineering • Landscape Design • Construction Administration • Interior Design • Surveying 	<ul style="list-style-type: none"> • Mechanical • Electrical • Plumbing • Fire Protection 	<ul style="list-style-type: none"> • Cost Estimating

H.F. Lenz Co. is a Pennsylvania based Mechanical and Electrical Engineering firm that has been involved in over \$75 million in design work for military facilities. Having worked with Alpha Associates, Incorporated on numerous projects over the past 17 years, the coordination between firms is seamless.

Alpha has selected Crawford Consulting Services to provide independent cost estimating services. Crawford Consulting is a Pittsburgh based firm with 12 years experience in cost estimating and has estimated more than over 33 million SF of space. Crawford has provided MCACES cost estimating services, feasibility studies, and inspections for the United States Army Corps of Engineers on various projects across the United States. Crawford is also a 100% WBE and certified 8A and Small Disadvantaged Business.

Alpha Associates will be providing a majority of the design services, including:

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

Alpha's services will be provided from the Corporate Office, located a short distance from the Camp Dawson project location.

Throughout the duration of the design and construction phases, Alpha will be the lead design firm and will be the single point of contact for your project. The expression of interest that follows includes information and complete resumes on the Team selected.

Alpha's architects and engineers work side by side to produce seamless projects that are managed from a single point of contact. What does this mean for you? As an owner of the project, you are interested in a team that will produce a high quality, yet cost effective outcome. By having a single point of contact and an in-house design team, those goals are much easier to achieve.

Your Project

Many projects begin the design phase without a defined scope of work and program. Your projects are traditionally very well planned and require only slight tweaking of the program. The priorities set forth by the West Virginia Army National Guard are usually include 1) Attention to Budget and 2) Efficiency in Operations. Alpha's team understands both priorities and outlined below is the process in which we will meet those requirements.

1) Attention to Budget – With the volatility in the construction market over the past several years, Alpha has chosen to add a Cost Estimating expert to the design team (Crawford). The addition of this consultant will begin the project with the budget a top priority. The WVANG has multiple projects being designed throughout West Virginia and the Alpha design team understands that one error in cost estimating could potentially effect projects throughout the State. Crawford utilizes the latest technology, combined with “on the streets” investigation to determine the bidding environment in the Kingwood area at the time the project is anticipated to go to bid. This thorough estimating process will produce a project *in budget* for the WVANG.

2) Efficiency in Operations – Efficiency in operations not only means energy efficient, but also staff efficiency. An emphasis is being placed on energy efficiency, LEED and overall environmental stewardship in the design world. Alpha and H.F. Lenz both have staff members with the LEED designation and we will design to the certification level desired by the WVANG. The designers for the facility, especially those directly involved in the building systems will work with you to design systems that meet your requirements for energy efficiency and life cycle costs. The key to designing systems is to not only design the best system for the space, but to also design what can be constructed, maintained and operated. The design team will work with you, as well as those on staff at Camp Dawson, to design systems that effectively interface with existing technology. Our designs will always address the requirements of the National Guard Bureau while providing the most efficient designs possible. Resulting is a facility that will exceed the expectations of those who own, operate and use the facility.

Summary

To summarize Alpha's Project Approach, the goal of most projects is to complete them on time and on budget while creatively addressing the needs of this project. Alpha's current workload will allow staff members to begin design efforts immediately and achieve the time schedule you expect. **Alpha will give 100% to achieve this expectation.**

Camp Dawson Training Facility

ARCHITECTURAL AND
ENGINEERING DESIGN
SERVICES

Multiple Dates

1

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 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

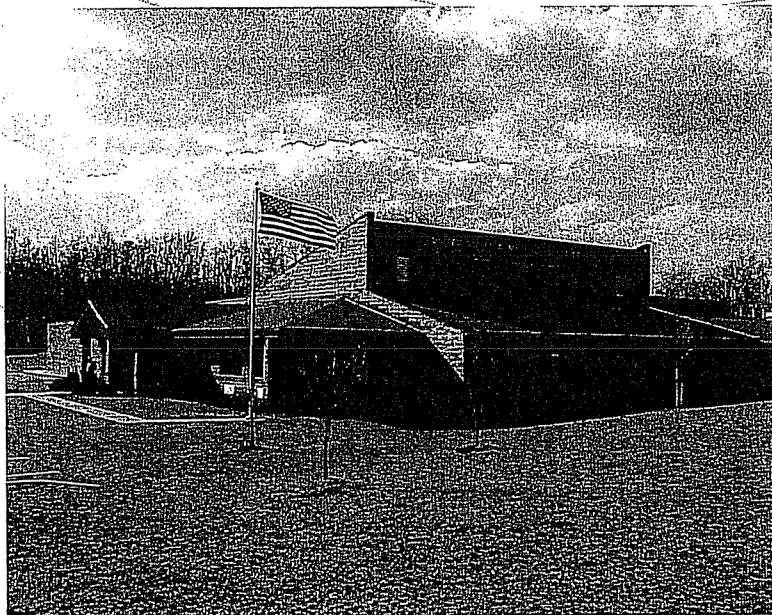
3. *Completion Date:*
1994

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



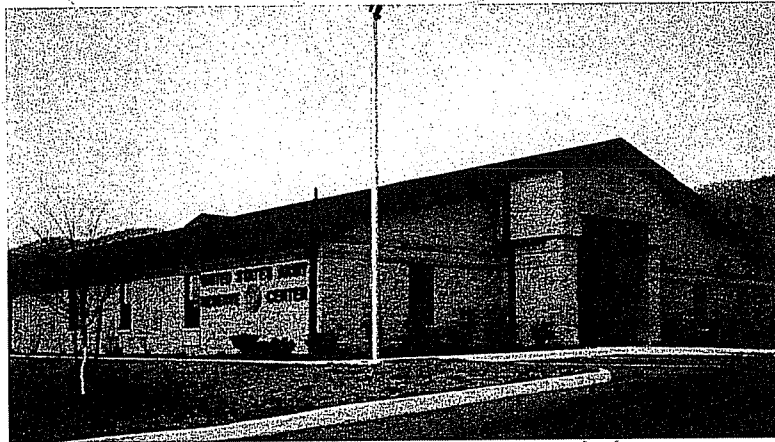
Miscellaneous Case Studies

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



Airport Case Studies

Project Description

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

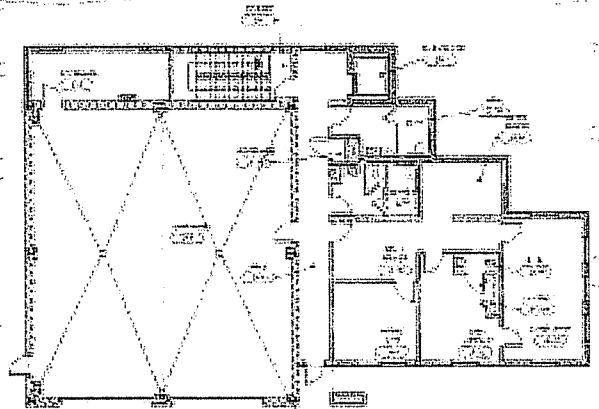
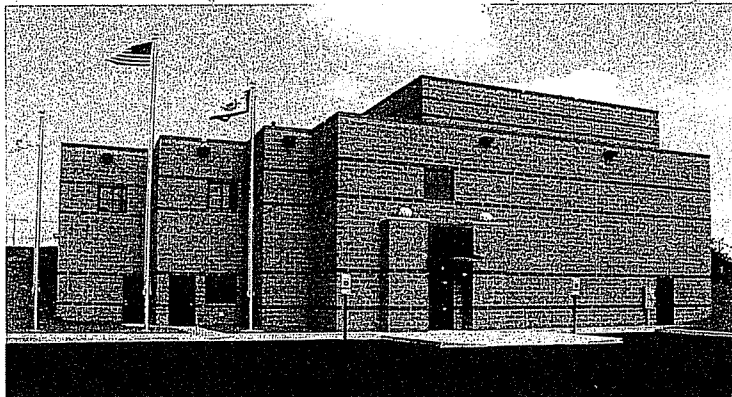
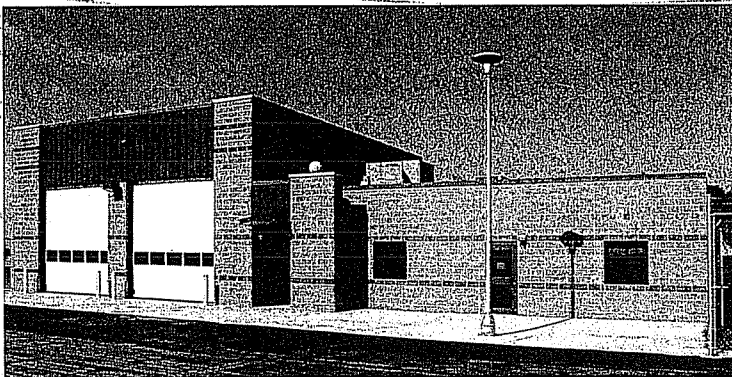
Alpha Associates, Incorporated completed design of the latest building at the Morgantown Municipal Airport: The building serves as an Air Rescue and Fire Fighting Building, housing two fire trucks and equipment. Additional space for Airport Management offices and a training center are also included.

Construction of this \$1,020,000 building was completed in 2003.

McHenry and Associates provided Mechanical and Electrical Engineering for this project.

At A Glance...

- 1 *Client:*
City of Morgantown
- 2 *Location:*
Morgantown, WV
- 3 *Completion Date:*
2003
- 4 *Size:*
7000 SF
- 5 *Construction Cost:*
\$1,020,000



Transportation Case Studies

Project Description

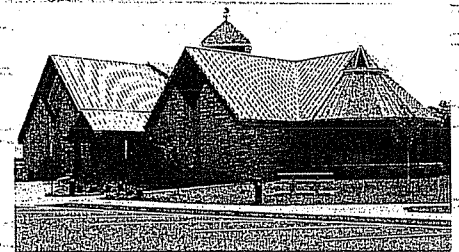
West Virginia Medal of Honor Recipients Memorial Plaza Hazelton, WV

The I-68 Welcome Center in Hazelton, WV was recently designed for the West Virginia Division of Highways. This project is located in Preston County and required a separate sewage treatment plant and major utility extensions due to the remote location of the site. The building is designed using native West Virginian materials as a central design theme. The design has steeply sloped, metal-clad roofs evocative of West Virginia's hills. Exposed heavy timber framing, native ledge rock stonework and rough-cut cedar siding are used both inside and outside of the building as a symbolic reminder of the beauty and ruggedness of the State's rustic environment.

The Welcome Center is a single-story building of approximately 7,700 square feet in area. It has separate spaces for public restrooms, vending, landscaped sitting "mall", arts and crafts display and offices. A state of the art, multiple-monitor, computerized theater having multi-media presentation capabilities is also included, as well as interactive computer kiosks bringing the latest updates on regional and state-wide information (such as accommodations, travel conditions, weather and festival events) to residents and visitors alike. This design utilizes large glass view areas within the Welcome Center to take advantage of the mountainous vista at this site.

At A Glance...

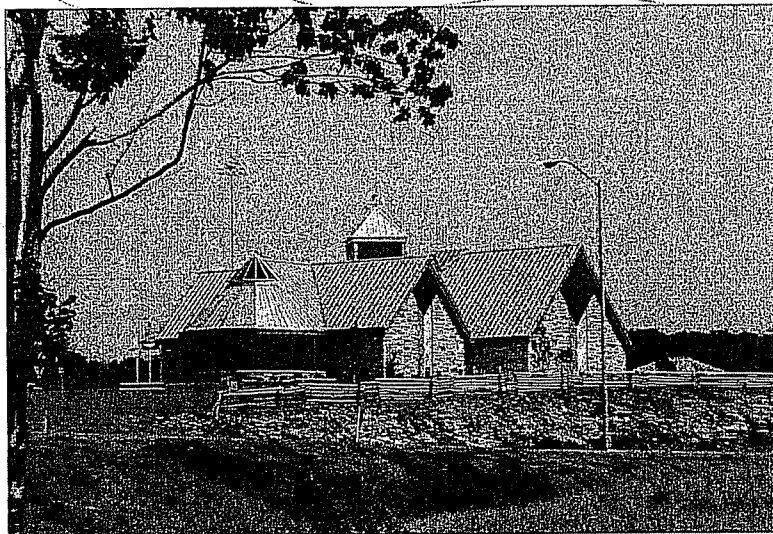
- 1 Client:
West Virginia Division of Highways
- 2 Location:
Hazelton, WV
- 3 Completion Date:
2002
- 4 Size:
7,700 SF
- 5 Construction Cost:
\$6,000,000



Transportation Case Studies

Project Description

West Virginia Medal of Honor Recipients Memorial Plaza
Hazleton, WV



At A Glance...

- 1 Client:
West Virginia Division
of Highways
- 2 Location:
Hazleton, WV
- 3 Completion Date:
2002
- 4 Size:
7,700 SF
- 5 Construction Cost:
\$6,000,000



New Construction Case Studies

Project Description

R.E. Michel Building **Morgantown, West Virginia**

Alpha Associates, Incorporated provided Civil/Site Design, Structural Design, Surveying, and Stormwater Management for the new R.E. Michel Building to replace the building vacated in the Research Park Construction. Alpha also completed architectural drawings to be submitted for permit approval. This 11,000 square foot metal building was completed in 2006.

At A Glance...

1 *Client:*
WVU Research Center

2 *Location:*
Morgantown, WV

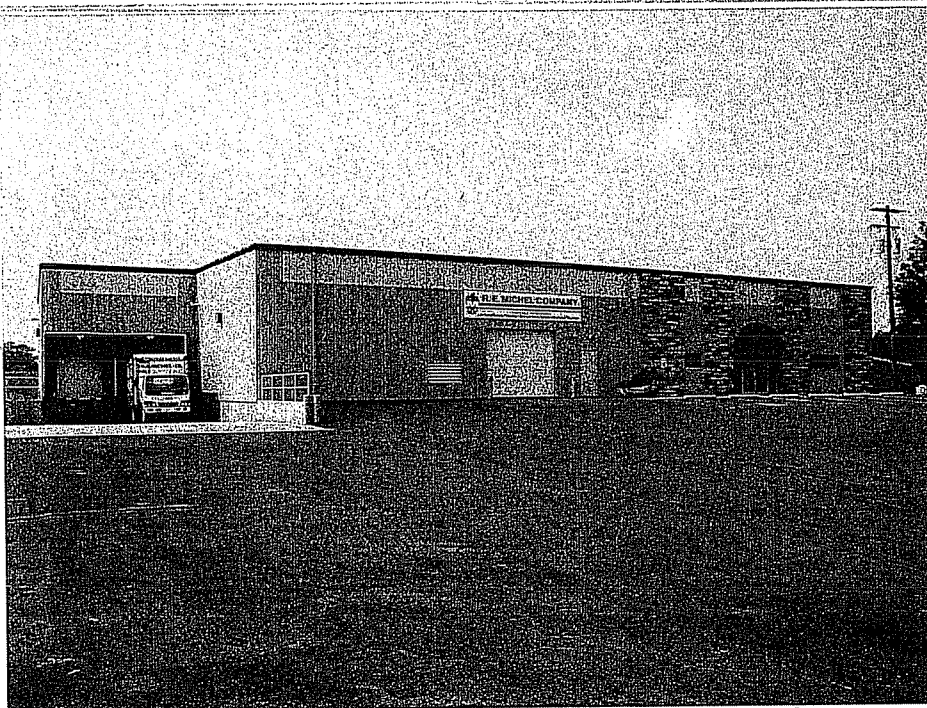
3 *Completion Date:*
2006

4 *Size:* 11,000 sq. ft.

5 *Construction Cost:*
Approx. 1 Million

6 *Project Relevance:*

- Architectural Drawings
- Civil/Site Design
- Structural Design
- Surveying
- Stormwater Management



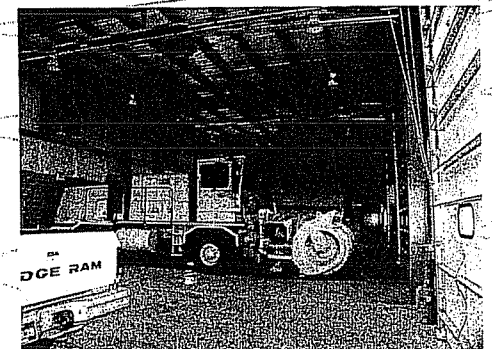
Airport Case Studies

Project Description

Morgantown Municipal Airport Maintenance Building Morgantown, WV

Alpha Associates, Incorporated designed and provided construction administration for the Hart Field Maintenance Building. The building provides garage and storage for the airport's snow-blowing and lawn-cutting machines. This project features six high-bay areas with one maintenance/repair pit. The balance of the area consists of auxiliary spaces such as dry and liquid storage, overhead crane hoist with access to a storage mezzanine. The building was constructed using split face block and metal panels over a pre-engineered steel rigid frame metal building.

ZDS Design provided Mechanical and Electrical Engineering Design for this project.



At A Glance...

- 1 Client:
City of Morgantown
- 2 Location:
Morgantown, WV
- 3 Completion Date:
2005
- 4 Size:
8000 SF
- 5 Construction Cost:
\$850,000



Clarksburg Postal Facility

ARCHITECTURAL AND
CIVIL ENGINEERING
DESIGN PROJECT
1990

ARCHITECTURE

Miscellaneous Case Studies

Project Description

Clarksburg Postal Facility Clarksburg, WV

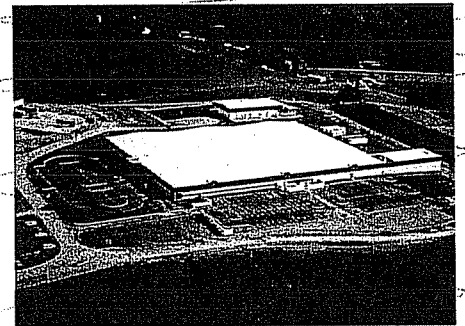
Alpha Associates, Incorporated provided architectural, structural and civil engineering design and construction administration for this \$10.5 million Mail Distribution Center. Located in a shopping mall, this facility includes a 132,550 SF General Mail Facility (GMF) and an 11,180 SF Vehicle Maintenance Facility (VMF). The facility is a single story steel frame structure with mechanical mezzanines. The partitions are steel stud with drywall and masonry at high impact areas. The roof was an adhered membrane on a series of gable roofs that formed a butterfly roof. The exterior is an insulated finish system with metal ribbed siding. The windows are in combinations to form horizontal bands at portions of the exterior. A landscaped outdoor eating area highlights the building's amenities.

The GMF consists of a 54,000 SF mail sorting/workroom with look-out galleries for security operations, and a 13,100 SF loading platform. In addition, this facility includes office space, expandable conference and training rooms, special operations, storage, maintenance, a luncheon room, lounge areas, equipment facilities, men's and women's locker rooms, restroom facilities and vault.

The VMF features a wash bay, a body shop, paint shop, diagnostic bay, a five lift service bays, office, parts and tools storage, tire repair, training and lunch room and restroom facilities. Civil Engineering Services included an access road, complex traffic design and parking lot.

At A Glance...

- 1 Client:
U.S. Postal Service
- 2 Location:
Clarksburg, WV
- 3 Completion Date:
1990
- 4 Size:
143,750 SF
- 5 Construction Cost:
\$10.5 Million



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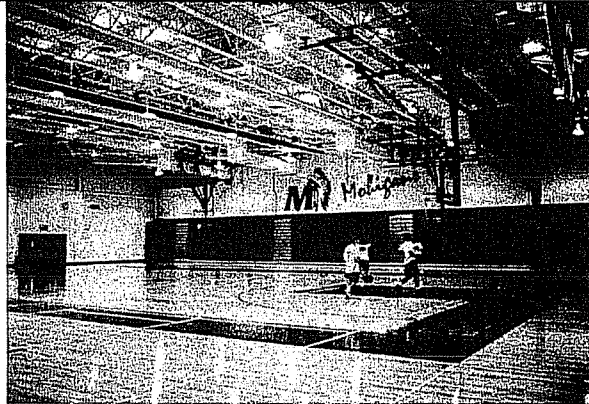


Gymnasium/Multi Purpose Experience

Alpha Associates, Incorporated

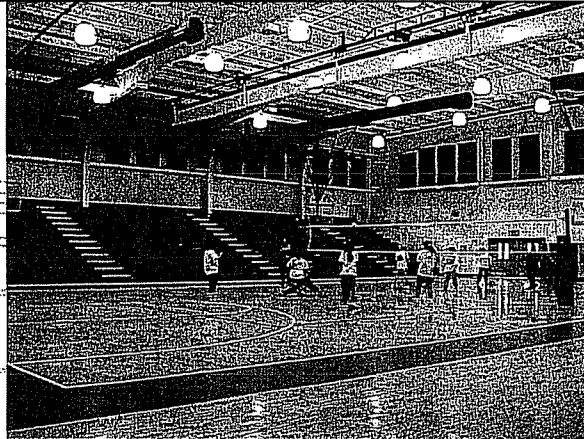
Morgantown High School Gymnasium Morgantown, WV

This 54,000 square foot addition project included science labs and classrooms; a **new gymnasium with a seating capacity of 1,800**; new physical education locker rooms; a cafeteria and kitchen. The project construction was phased to allow for uninterrupted operation of the 1,200-student high school.



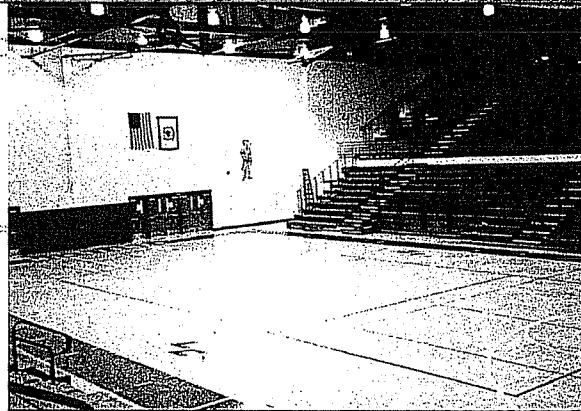
Wyoming County East High School Gymnasium Wyoming County, WV

This school consolidated two existing high schools into a grade 9-12 facility for 760 students with a 390-seat auditorium and a **1,500-seat gymnasium**.



Lewis County High School Gymnasium Weston, WV

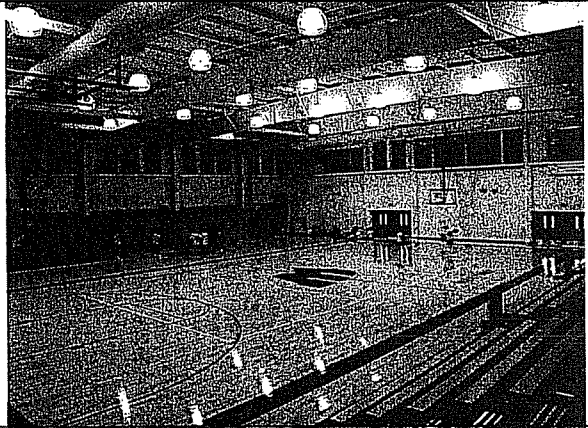
The project included departmental organization, student common areas, landscaped courtyard, classrooms and laboratories, 585-seat auditorium and a **2,000-seat gymnasium**.





**Westside High School Gymnasium
Wyoming County, WV**

The construction of this grade 9-12 facility consolidated Baileysville and Oceana High Schools, with a total capacity of 760 students, including a 390-seat auditorium and a **1,500-seat gymnasium**. The School Building Authority of West Virginia provided funding to supplement local bond funding.



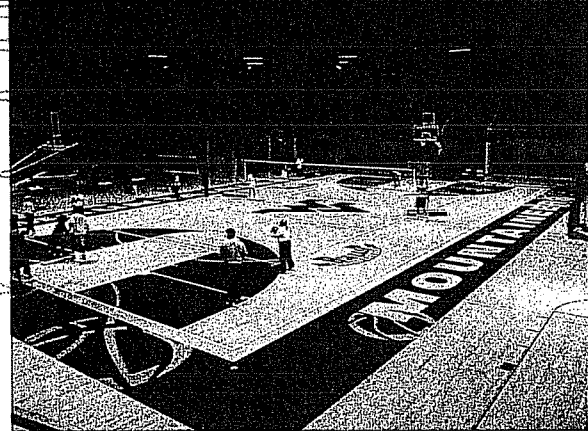
**Ridgedale Elementary School
Gymnasium
Morgantown, WV**

The second phase expansion provided a 7000 square foot gymnasium to serve the Elementary School.



**WVU Coliseum Floor Renovation
Morgantown, WV**

Alpha Associates, Incorporated provided design services as a consultant during the WVU Coliseum asbestos abatement project. Alpha provided design services for the new structural-scaffold system, wood gymnasium floor, motorized bleacher system, repairs and design of ceiling replacement in the concourse area and structural inspection of the dome. Alpha also provided consultation and design services for the scoreboard structural support system.



Architectural Case Studies

Project Description

Jenkins Ford-Mercury Buckhannon, WV

Alpha Associates, Incorporated provided architectural services for this new automobile dealership in Buckhannon, WV. This state of the art facility utilized our engineers, landscape designer and architects. The entire building structural frame and portions of the siding and roofing are custom designed pre engineered metal building components.

At A Glance...

- 1 Client:
Jenkins Ford-Mercury
- 2 Location:
Buckhannon, WV
- 3 Completion Date:
2001
- 4 Size:
39,673 SF
- 5 Construction Cost:
Private Client

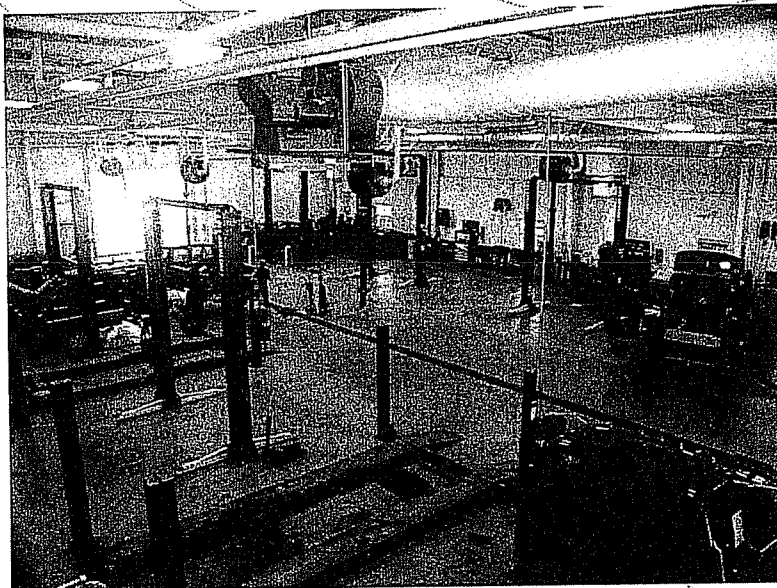
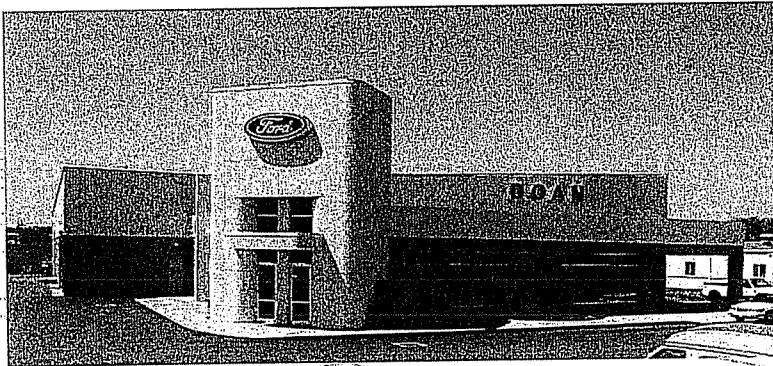


Architectural Case Studies

Project Description

Doan Ford **Belmont, OH**

Alpha Associates, Incorporated provided architectural services for this new automobile dealership in Belmont, Ohio. This 22,700-square foot dealership was completed in October 2003. Portions of the building structural frame, roofing and siding are custom designed pre-engineered metal building component.



At A Glance...

1

Client:
Doan Ford

2

Location:
Belmont, OH

3

Completion Date:
October 2003

4

Size:
22,700 SF

5

Construction Cost:
Private Client.

6

Project Relevance:

- Garage and maintenance facilities
- Storm water design





H.F. LENZ
COMPANY

**U.S. Army Reserve Center
Morgantown, Kingwood and Elkins,
West Virginia**

Design of three new U.S. Army Reserve Centers each having a Training Building (Armory) and an Organizational Maintenance Shop (OMS) in Morgantown, Elkins and Kingwood, West Virginia.

The 300-Member Morgantown USAR Center is located on an 8 acre site and contains 21,700 SF of space in the Administration/Training Building and 5,500 SF in the four bay OMS Building. Parking is provided for 107 passenger vehicles and for 188 military vehicles/equipment in a secured area.

The 60-Member Elkins USAR Center is located on a 4.2 acre-site and provides 12,000 SF of space in the Administration/Training Building and 4,200 SF in the three bay OMS Bay. Parking is provided for 48 passenger vehicles and for 32 military vehicles/equipment in a secured area.

The 100-Member Kingwood USAR Center is located on a 4.8 acre site and provides 19,000 SF of space in the Administration/Training Building and 5,000 SF in the four bay OMS Building with 600 SF of covered storage area. Parking is provided for 60 passenger vehicles and for 63 military vehicles/equipment in a secured area.

HFL was part of the Design Team responsible for the site planning, space planning, facility design, all submission requirements, i.e., design analysis, Life Cycle Cost Analysis, cost estimate, construction schedule, construction drawings and specifications for all three of these Reserve Centers.



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

All three facilities contain the following functional elements:

- Administrative Spaces - Full-Time Staff Offices; Unit Exclusive Offices; Unit Common and Retention Spaces
- Educational Facilities - Classrooms; Learning Center, Library, Comsec Training
- Storage Spaces - Unit and Individual Storage; Comsec Storage
- Assembly Area (Drill Hall) and Support Spaces - Food Preparation, Arms Vault; Chair Storage
- Common Space - Lobby, Toilets and Locker Rooms
- OMS Facility - Work Bays; Wash Bays; Shop Office; Battery Room; Parts & Tool Storage; Flammable Storage; Hazardous Storage



H.F. LENZ
COMPANY

***U.S. Army Reserve Center
Beckley and Rainelle, West Virginia***

Mechanical and electrical engineering services were provided for the design of two new reserve centers located in Beckley and Rainelle, West Virginia. The administrative/educational portion of the facilities contain a lobby, offices, learning center, library, and classrooms. Also included are food preparation/dishwashing facilities, storage areas, an arms vault, and both women's and men's toilets/showers.

The maintenance areas include work bays, wash bays, storage rooms, and office space. Both projects included the development of cost estimates and a life cycle cost analysis.

Beckley Army Reserve Center

- 300-member
- 27,511 sq.ft. training building
- 2,709 sq.ft. organizational maintenance shop

Rainelle Army Reserve Center

- 200-member
- 19,444 sq.ft. training building
- 7,532 sq.ft. organizational maintenance shop



H.F. Lenz Company provided complete engineering services for the design of a new 120,000 sq.ft. U.S. Army Reserve Aviation Facility for both rotary and fixed wing aircraft located at the Johnstown-Cambria County Airport. The multi-building complex is located on a 80-acre site and construction was completed in the spring of 1997. It was determined that the facility is to be shared by the U.S. Army Reserves and PAARNG.

Salient points of the project included:

Site Development

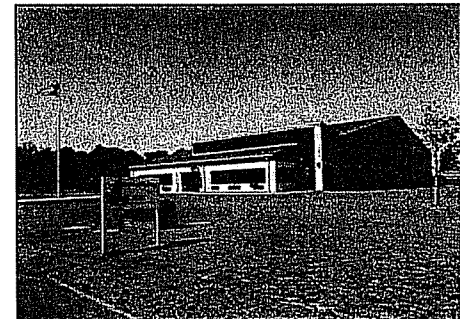
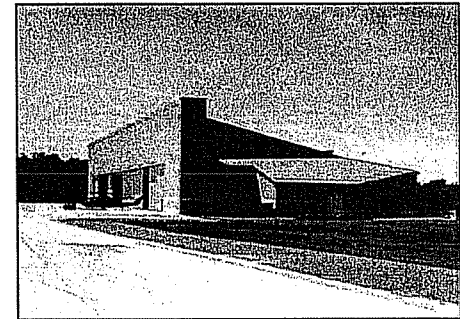
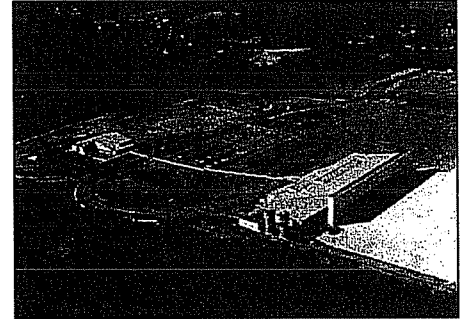
- The site development also included the entrance roads, site utilities, parking lots, security fencing and landscaping.
- The scope of the work includes design of taxiways, hangar apron areas, parking for twenty-four AH-1's and four C-12's associated aircraft and taxiway lighting, aircraft signage and site storm drainage collection and retention.

Hangar Facility

- Hangar floor area of 330 x 94 ft with a safety corridor around the perimeter is comprised of flexible work bays and a wash bay.
- Individually motorized operation sliding doors with door pockets at either side.
- A 5-ton crane with a 40 foot span serves the entire length of the hangar.
- A foam water fire suppression system is provided along with a detention area.
- Shop areas include hydraulics, air frames, sheet metal shop, rotor shop, engine shop, battery shop, material and maintenance control, corrosion control, arms vault, unit maintenance and GSE storage. Support spaces for the shop areas include parts storage, tool room, ordinance and extensive storage space.
- Aircraft related spaces include avionics, navigation and flight planning, flight briefing room, officers ready room, safety and NATOPS, quality assurance and maintenance administration.
- Administrative spaces include offices and common administration area, classrooms, legal medical, computer work area and reserve facilities.
- Common spaces include lobby, break room, toilets and locker rooms.

Training Building

- The Reserve Center will provide administrative area, unit common space, assembly hall, classrooms, learning center, library, unit and individual storage and support space. A secured parking area is also provided for military equipment parking.



Top: Civil engineering and surveying services included complete site planning and development and topographic, boundary, and utility location surveys.

Center: The hangar door height of 30 feet was sized to accommodate current and future aircraft for the army.

Bottom: The new training building can accommodate 300 reservists.



H.F. LENZ
COMPANY

*U.S. Army Reserve Center
Grantsville, Maryland*

H.F. Lenz Company was responsible for architectural/engineering design services for the construction of a 15,300 sq.ft. Training Building and 2,400 sq.ft. OMS. A site delineation study and engineering feasibility study were required to determine the viability of the selected site.

The Training Building contains full-time staff offices, unit exclusive offices, unit common space, retention office and administrative support. Assembly areas include: assembly hall, chairs/table storage, kitchen, arms vault, and armorer. Educational facilities include: classrooms, library reading room, library storage, learning center, training aid storage, comsec training, and comsec storage. Special training areas include: weaponeer room and special projects classroom. Storage areas include unit and individual storage, staging area and supply offices. A completed interior design package was developed for this facility.

The OMS contains shop office, tool and parts storage, parts storage, battery storage and charging, flammable storage, hazardous storage and toilet. The maintenance area consists of a double-work bay and single-wash bay.

This project was completed in 1998, the construction cost was \$4,500,000.



H.F. LENZ
COMPANY

Department of Defense

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**

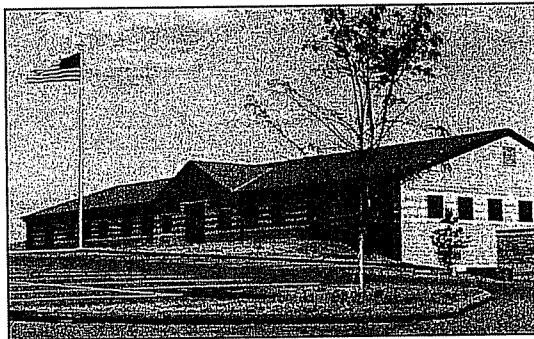
- New 200-member reserve center with training building and maintenance shop

**Army Reserve Center
Weirton, West Virginia**

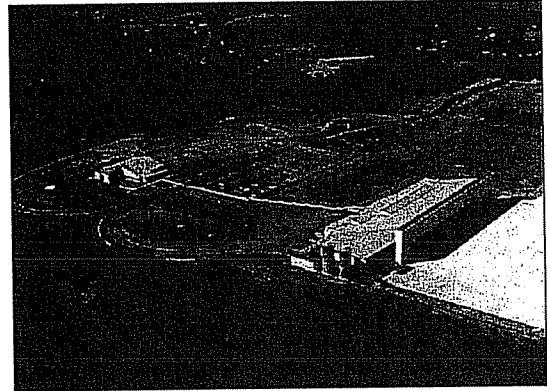
- New 200-member reserve center with training building and maintenance shop

**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
Grantville, 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

West Virginia Project Experience



Project / Location	Client	Size (SF)	Dollar Value	Services	Year Completed
West Virginia University White Hall Classroom Renovations Morgantown, WV	IKM Incorporated	96,500	\$6.4 million	Cost Estimating <i>Schematic / Preliminary Phase</i>	2007
West Virginia University Oglebay Pedestrian Bridge and Stair Tower Morgantown, WV	Perfido Weiskopf Architects	N/A	\$871,832	Cost Estimating <i>Design Development Phase</i>	2007
Fairmont State University Engineering Technology Building Annex Fairmont, WV	The Design Alliance Architects	78,595	\$8.7 million	Cost Estimating <i>Change Orders</i>	2006
West Virginia University Hospital Cancer Center Expansion Morgantown, WV	Burt, Hill	70,125	\$17 million	Cost Estimating <i>Design Development Phase</i>	2006
Marlinton Local Protection Project Flood Gate Marlinton, WV	USACE Huntington District	5,858	\$33 million	MII Cost Estimating & Scheduling <i>Phases I and II</i>	2006
Fairmont State University Engineering Technology Building, Center for Art, and Circulation Link Fairmont, WV	The Design Alliance Architects	141,100	\$24.4 million	Cost Estimating <i>Design Development Phase</i>	2005
West Virginia University Oglebay Hall Renovations & Additions Morgantown, WV	Perfido Weiskopf Architects	65,000	\$15.5 million	Cost Estimating <i>Schematic Design, Design Development, and Construction Document Phases</i>	2005
West Virginia University Engineering Science Building Morgantown, WV	Wilhelm & Kruse	25,714	\$797,009	Cost Estimating	2002
New Parking Garage/Offices Morgantown Parking Garage/Offices Morgantown, WV	IKM Incorporated	273,000	\$11 million	Cost Estimating <i>Feasibility Study</i>	1999
Weirton Medical Center Catheter Laboratory Weirton, WV	Paul Slowik & Associates	5,979	\$1.2 million	Cost Estimating	1997
Weirton Medical Center Professional Building Weirton, WV	Paul Slowik & Associates	47,386	\$2.2 million	Cost Estimating	1997
Wheeling Hospital Oncology Center Wheeling, WV	Burt, Hill	4,750	\$3.6 million	Cost Estimating	1997
Wheeling Hospital Women's Center & Educational Center Wheeling, WV	Burt, Hill	36,439	\$4.3 million	Cost Estimating	1997
Wheeling Jesuit College Athletic Grandstand Wheeling, WV	Burt, Hill	4 acres	\$719,000	Cost Estimating <i>Schematic Design Phase</i>	1996
Tucker Elementary / Middle School Parsons, WV	Pevarnik Brothers	9,900	N/A	Cost Estimating	1993
Wheeling Jesuit College Classroom of the Future Wheeling, WV	Keller Architects Specialties	2,774	N/A	Cost Estimating	1993

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

PRINCIPAL-IN-CHARGE

Higher Educational Facilities:

- Agricultural Sciences Building Addition, West Virginia University; Morgantown, WV
- Prichard Hall Renovation, Fairmont State University; Fairmont, 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



PRINCIPAL-IN-CHARGE (con't):

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
- Harrison County Senior Center; Bridgeport, 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

QUALIFICATIONS

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

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

CIVIC: Main Street Morgantown

AWARDS

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



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:

- Educational Design
- Construction Administration
- Contract Negotiations

PROFESSIONAL HIGHLIGHTS

PROJECT MANAGER:

Higher Education Projects:

- WVU Engineering Sciences Building 10th Floor Renovation; Morgantown, WV
- WVU Engineering Science Building Nano/Microtechnology Lab; Morgantown, WV
- WVU Alfred F. Galli 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:

- 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
- Bruceton 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; Vice President
Main Street Morgantown Design Committee; Chairman
Chestnut Ridge Park Board; President



SUMMARY

Ms. Key has worked in the architectural field for 30 years. Ms. Key is Project Architect/Manager for numerous architectural designs at Alpha Associates, Inc. She is involved from the programmatic stages and schematic designs all the way through construction documents to construction administration.

Prior to joining Alpha, Ms. Key initiated and developed her own architectural and interior design business. The 16 years she devoted to her own firm resulted in projects ranging in size from 450 to over 40,000 square feet of space and located in 20 states across the country.

PROFILE

Broad-based responsibilities in the following areas:

- Architecture
- Interior Design
- Interior Space Planning
- Historic Renovation

PROFESSIONAL HIGHLIGHTS

ALPHA ASSOCIATES

Educational Facilities:

- Washington High School Interiors Package; Charles Town, WV
- WVU South Agricultural Sciences; Morgantown, WV
- Prichard Hall Renovation; Fairmont State College; Fairmont, WV
- WVU Boreman Bistro Dining/Kitchen; Morgantown, WV

Industrial Facilities:

- Hart Field Airport Maintenance; Morgantown, WV
- Norwood Fire Station; Morgantown, WV
- FMW Composites, Inc.; Bridgeport, WV
- Hart Field Terminal Renovation; Morgantown, WV

Medical Facilities:

- Ruby Memorial Hospital Emergency Addition; Morgantown, WV
- BSGG Dental Complex; Morgantown, WV



REBECCA J. KEY, AIA, NCIDQ

ASSOCIATE

rkey@alphaaec.com

Miscellaneous Architectural Design:

- West Virginia Medal of Honor Recipients Plaza; Hazelton, WV
- Hazel Ruby McQuain Riverfront Park Amphitheater Roof; Morgantown, WV
- Municipal Building; Whitehall, WV

EMPLOYMENT HISTORY

PRIVATE INDUSTRY:	2000 - Current	Alpha Associates, Incorporated
	1983 - 1999	Environmental Planners and Associates, LTD; President
	1978 - 1983	Webster Clothes; Director of Store Planning

EDUCATION

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

QUALIFICATIONS

LICENSE:	Registered Architect West Virginia, Maryland, Washington DC, New York, Virginia, Pennsylvania National Council of Interior Design Qualifications Certificate Holder
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AFFILIATIONS

PROFESSIONAL:	American Institute of Architects; Member AIA Livable Communities; Board Member
CIVIC:	Fairmont, WV BOCA Board of Appeal; Board Member



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

Bridge and Highway Projects:

- 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



RICHARD A. COLEBANK, PE, PS
PRESIDENT AND COO
CIVIL ENGINEER
rcolebank@alphaaec.com

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
MBA; 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
Morgantown Mohawk; Coach and Organizer
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

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
- Southern States - Morgantown, WV
- Doan Ford - Belmont, OH
- WVU Health Sciences Center Eastern Division - Martinsburg, WV
- Residence Inn - Morgantown, 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
- South Jefferson 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



SUMMARY

Mr. Buchanan is a Civil Engineer and Principal at Alpha Associates, Incorporated. He has more than 22 years of experience working in municipal engineering, storm water management, site planning, hydrologic and hydraulic analysis, wastewater collection systems design, water distribution systems design, booster station design, highway engineering, and traffic engineering.

PROFILE

Broad-based responsibilities in the following areas:

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

PROFESSIONAL HIGHLIGHTS

PROJECT MANAGER:

- Borough of Point Marion Engineer; Point Marion, PA
- Monongalia County Board of Education Sewage Treatment Plants; Monongalia County, WV
- North Fork Hughes River Recreational Facilities; Ritchie County, WV
- WVDOH Rest Areas Sewage Treatment Plants; Berkeley, Braxton and Lewis Counties, WV
- WVU Law School Parking Lot; Morgantown, WV
- Uvilla - Shepherdstown Road Project; Jefferson County, WV
- Wheatland Road Widening and Utility Relocation Project; Berkeley County, WV
- Clay - Battelle High School Sewer Line Extension; Monongalia County, WV
- Grade Road Design Study; Berkeley County, WV

CIVIL ENGINEER:

- West Virginia Division of Highways I - 77 Welcome Center; Williamstown, WV
- West Virginia Medal of Honor Recipients Plaza; Preston County, WV
- South High Street Bridge; Morgantown, WV
- West Buckeye Acrow Bridge; Monongalia County, WV
- Elkins Bypass; Randolph County, WV



STEVEN V. BUCHANAN, PE, PS
PRINCIPAL
CIVIL ENGINEER
sbuchanan@alphaaec.com

EMPLOYMENT HISTORY

PRIVATE INDUSTRY: 1998 – Present Alpha Associates, Incorporated
1989 – 1998 Widmer Engineering, Incorporated
1986 – 1989 Wiley and Wilson, P.C.
1984 – 1986 Greiner Engineering Sciences, Incorporated
Summer – 1983 West Virginia Department of Transportation,
Division of Highways

EDUCATION

UNDERGRADUATE: West Virginia University
BS – Civil Engineering; 1984

QUALIFICATIONS

LICENSE: Professional Engineer:
West Virginia, Pennsylvania, Maryland, Ohio
Professional Surveyor:
West Virginia

AFFILIATIONS

CIVIC: Faith Baptist Church, Morgantown, WV; Member, Van/Bus
Ministry; Awana Ministry





Mr. Stano has 25 years experience and 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. Mr. Stano has worked extensively with federal agencies including the U.S. Army Corps of Engineers, the Naval Facilities Engineering Command, the U.S. General Services Administration, and the U.S. Postal Service. He has personally been involved in nine indefinite delivery contracts. He is experienced in the design of building systems including air and water heating/cooling systems, automatic temperature control systems, boiler plant systems, central chilled water plants, fire detection and suppression systems, energy management systems, building lighting and power distribution systems. He has been responsible for mechanical design and/or project management of the following projects:

U.S. Army Reserve Center
Morgantown, West Virginia
New 300-member reserve center with training building and maintenance shop. Includes offices, classrooms, locker rooms, showers, storage facilities, assembly area, food preparation area, and arms vault

U.S. Army Reserve Center
Beckley, West Virginia
New 100-member reserve center with training building and maintenance shop. Includes offices, classrooms, locker rooms, showers, storage facilities, assembly area, food preparation area, and arms vault.

U.S. Army Reserve Center
Rainelle, West Virginia
New 200-member reserve center with training building and maintenance shop. Includes offices, classrooms, locker rooms, showers, storage facilities, assembly area, food preparation area, and arms vault.

U.S. Army Reserve Aviation Facility
Johnstown, Pennsylvania
New 200-member, multi-building reserve center with training building and aviation maintenance shop

Education

Bachelor of Science, Architectural Engineering, 1982, Pennsylvania State University

Experience

H.F. Lenz Company 1982 - 1985 and 1988 - Present

James Posey Associates, Inc. 1985 - 1988

Professional Certification

Licensed Professional Engineer in Pennsylvania, Maryland, New Jersey, North Carolina, Ohio, and West Virginia;

Professional Affiliations

National Society of Professional Engineers (NSPE) • American Society of Heating, Refrigerating, and Air-Conditioning Engineers (ASHRAE) • International Society for Pharmaceutical Engineering • U.S. Green Buildings Council • Association of Physical Plant Administrators (APPA)

U.S. Army Reserve Center
Grantsville, West Virginia
New 15,300 sq.ft. training building with classrooms, assembly hall, library, Comsec training area, and weaponeer room, and OMS

U.S. Army Reserve Centers
Wheeling, West Virginia
35% concept design for new reserve center including a 24,000 sq.ft. Training Building and 17,000 sq.ft. OMS/AMSA

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

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

Indefinite Delivery Contract, U.S. Army Corps of Engineers, Baltimore District
Multiple projects, renovation and new construction



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:

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

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

U.S. Army Reserve Center
Wheeling, West Virginia
Design/build project including a 24,000 sq.ft. training building with classrooms, administrative areas, library, assembly hall, weaponeer room and medical section, 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 with classrooms, assembly hall, arms vault, armorer, weaponeer room, and Comsec training area, and a 6,300 sq.ft. OMS

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

Letterkenny Army Depot
Chambersburg, Pennsylvania
– *Building 320 – Vehicle cleaning area and fire alarm upgrades*
– *Building 350 – Vehicle maintenance building lighting and fire alarm system replacement*

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

Pennsylvania Turnpike Commission
Harrisburg, Pennsylvania
New three-story addition and renovation to the Central Administration Building including parking lot and exterior building lighting; LEED™ Certified Building

Education

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

Experience

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

Professional Certification

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

Professional Affiliations

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



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

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

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

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

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

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

911th Airlift Wing, U.S. Air Force Reserve
Greater Pittsburgh International Airport
Coraopolis, Pennsylvania
– Repairs and alterations to gas station and vehicle wash addition, Building 322
– Replace computer hardware and software for base security and fire alarm system
– Repairs and alterations to Base Exchange, Building 300

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

Pennsylvania Turnpike Commission
Central Administration Building
Harrisburg, Pennsylvania
New three-story addition and renovation to the Central Administration Building including parking lot and exterior building lighting; LEED™ Certified Building

West Virginia State Capitol
Charleston, West Virginia
Design of DDC control system for new central chilled water plant and distribution loop

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 • 1st Lieutenant, U.S. Air Force 1984 - 1988

Professional Registration / Certification

Licensed Professional Engineer in Pennsylvania • Certified LEED™ Professional

Professional Affiliations

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

RYAN J. KRUMENACKER, AVS

Senior Cost Estimator

Mr. Krumenacker is a Senior Cost Estimator for Crawford Consulting Services, Inc. (CRAWFORD). He has eight years experience in the construction industry and six years with CRAWFORD. With his extensive cost estimating and field experience, he is proficient in the following: cost estimating, material systems cost analysis, budget validation, identification of long-lead purchase items, and phase-related cost items. He is experienced in a number of software programs including, WinEstimator, MCACES, MII, and PC Cost. Mr. Krumenacker has been involved with developing cost estimates for various Federal Government Agencies including NASA, Department of General Services, General Services Administration, US Army Corps of Engineers, Department of Energy, Veteran's Administration, Navy, and Social Security Administration. He has completed detailed MCACES cost estimates on a number of facilities both within the Continental United States (CONUS) and outside the Continental United States (OCONUS), including barracks, water treatment plants, power plants, dining halls, and multi-purpose buildings. Mr. Krumenacker is responsible for coordinating and facilitating vendor presentations to the Estimating Department for continuing education purposes.

Select Project Experience:

- USACE Huntington District – Marlinton Local Protection Plan, Marlinton WV
- USACE Louisville – Armed Forces Reserve Center, Bristol, PA
- USACE Louisville – Armed Forces Reserve Center, Scranton, PA
- USACE New York – National Guard Facility, Fort Dix, NJ
- USACE New York – Vehicle Maintenance Facility, Fort Drum, NY
- USACE Fort Worth District – Soldier and Family Readiness Center, Fort Polk, LA
- USACE Fort Worth District – Emergency Dispatch Center, Fort Polk, LA

Project Responsibilities:

- Coordinate & Prepare Construction Estimates
- Value Engineering
- Material Systems Cost Analysis
- Budget Validation
- Preliminary Cost Reviews
- Scope of Work Bid Package Preparation
- Identification of Long-Lead Purchase Items
- General Condition Cost Analysis
- Phase Related Cost Items & Analysis

Professional Organizations:

- The Association for the Advancement of Cost Engineering
- American Society of Professional Estimators
- International Society of Parametric Analysts
- Society of American Military Engineers
- Society of American Value Engineers
- Society of Cost Estimating and Analysis

Certifications:

- Associate Value Specialist (AVS)
- WinEstimator-Cost Estimating Software
- MCACES-USACE Proprietary Estimating Software
- MII Estimating Software
- Timberline-Cost Estimating Software
- PC Cost-Cost Estimating Software
- Roctek-Excavating Software

Education:

- Community College of Allegheny County - Building Construction Technology
- The Ohio State University - Business
- Duquesne University - Secondary Education

MARY F. CRAWFORD, CPE, AVS

Founder and President

Ms. Crawford founded Crawford Consulting Services, Inc. (CRAWFORD) in 1993. She is a Certified Professional Estimator, Associate Value Specialist, serves as President of the firm and sole stockholder. In this role, she is responsible for quality reviews, strategic planning, business development, and executive leadership. Her most significant achievement has been in developing the foundation of the estimating database utilized on every CRAWFORD project. Her approach in developing unit prices combines material, production (labor), taxes, overhead and profit, lending efficiency to pricing projects in various regions or countries. She is the President of the local chapter of the American Society of Professional Estimators and Certification Chair in the Western Pennsylvania Region. Ms. Crawford has developed long-term relationships with numerous local, state, and Federal Government Agencies, including NASA, Department of General Services, General Services Administration, US Army Corps of Engineers, Department of Energy, Veteran's Administration, Navy, and Social Security Administration. A much-honored businesswoman, Ms. Crawford was selected as the SBA'S 2005 Western PA Woman-Owned Business of the Year. In 2002, Ms. Crawford was selected by the Naval Facilities Engineering Command Headquarters as one of only six Woman-Owned Businesses across the United States to participate in a DoD Business Technical Assistance Pilot Program. With over twenty-six years of professional cost estimating experience, Ms. Crawford brings a wealth of knowledge to each and every project team.

Select Project Experience:

- USACE Huntington District – Marlinton Local Protection Plan, Marlinton WV
- USACE Louisville – Armed Forces Reserve Center, Bristol, PA
- USACE Louisville – Armed Forces Reserve Center, Scranton, PA
- USACE New York – National Guard Facility, Fort Dix, NJ
- USACE New York – Vehicle Maintenance Facility, Fort Drum, NY
- USACE Fort Worth District – Soldier and Family Readiness Center, Fort Polk, LA
- USACE Fort Worth District – Emergency Dispatch Center, Fort Polk, LA

Project Responsibilities:

- Coordinate and Prepare Construction Estimates
- Value Engineering
- Material Systems Cost Analysis
- Budget Validation
- Preliminary Cost Reviews
- Scope of Work Bid Package Preparation
- Identification of Long-Lead Purchase Items
- General Condition Cost Analysis
- Phase Related Cost Items and Analysis

Awards:

- 2006 Historic Preservation Award from the Pittsburgh Historic Review Commission (Phipps Conservatory)
- 2005 Western PA Woman-Owned Business of the Year-Small Business Administration
- 2004 Woman Business of the Year Award-Minority Business Opportunity Committee (Pittsburgh, PA)
- 2001 Business Owner of the Year Award-National Association of Woman Business Owners
- 1999 Fifty Best Women in Business Award-Commonwealth of Pennsylvania's Department of Commercial and Economic Development

Professional Organizations:

- The Association for the Advancement of Cost Engineering
- American Institute of Architects, Pittsburgh and Philadelphia Chapters
- American Society of Professional Estimators
- International Society of Parametric Analysts
- National Association of Woman Business Owners (1999 PA's Fifty Best Women in Business and 2001 Business Owner of the Year)
- Society of Value Engineers

Certifications:

- Certified Professional Estimator (CPE)
- Associate Value Specialist (AVS)
- Primavera Expedition-Contract Administration
- CAD Research-Auto CAD 2000 Fundamentals
- WinEstimator-Estimating Software
- MCACES-USACE Proprietary Estimating Software
- USACE - Construction Quality Management for Contractors
- OSHA-Understanding & Managing Risk-Pre-Project Planning and Design Phase Issues
- SUCCESS Estimator

Education:

- Community College of Allegheny County - Associate in Science, Estimating, Management and Building Construction
- Robert Morris University - Business Management

Client References	
RECENTLY COMPLETED PROJECTS	
Firm Profile	

Client References

Recently Constructed Projects

Bob Hammel

Director, Morgantown Municipal Airport

100 Hart Field Drive

Morgantown, WV 26505

304-291-7461

Dirar Ahmad

West Virginia Division of Highways

Building 5

1900 Kanawha Blvd., East

Charleston, WV 25305-0430

304-558-2830

Dan Boroff

City of Morgantown

389 Spruce Street

Morgantown, WV 26505

304-284-7405

John Sommers

Senior Construction Projects Manager

West Virginia University

PO Box 6572

Morgantown, WV 26505

304-293-2856

Don Reinke

Mon County Development Authority

PO Box 188

Morgantown, WV 26507

304-296-6684



ARCHITECTS • ENGINEERS • SURVEYORS



**Ohio National Guard
Akron-Canton Regional Airport
Akron, Ohio**

H.F. Lenz Company provided the mechanical, electrical, plumbing, fire protection, and structural engineering services for a new addition to an existing hangar and a new helicopter storage facility for the Ohio National Guard. The project included design of FAA lighting, fuel/water separator systems, fixed foam fire suppression systems, structural supports, and tie downs. This project is currently under construction.

Contact: Mr. George C. McCann, Ohio National Guard
Phone: 614/336-4713

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

H.F. Lenz Company provided mechanical, electrical, plumbing, fire protection, and telecommunications engineering services a new 23,560 sq.ft. facility, with approximately 8,000 sq.ft. of office and maintenance shop area and the remainder for storage and eight vehicle maintenance bays.

Contact: Mr. Greg Dovey, PA Department of General Services
Phone: 717/783-3761

**U.S. Army Reserve Aviation Facility
Johnstown, Pennsylvania**

H.F. Lenz Company provided mechanical, electrical, plumbing, fire protection, civil and structural engineering for a new 120,000 sq.ft. aviation facility.

Contact: Major Mark Austin
Phone: 717/861-8212

REFERENCES

Ewing Cole

Mr. Richard A. Delaney, AIA
Federal Reserve Bank Building
100 North 6th Street
Philadelphia, PA 19106-1590
Phone: 215-923-2020

Michael Baker Jr., Inc.

Mr. Richard T. Bernet, PE
Airside Business Park
100 Airside Drive
Moon Township, PA 15108
Phone: 412-269-6300

Astorino

Mr. Michael P. Linder, RA
227 Fort Pitt Boulevard
Pittsburgh, PA 15222
Phone: 412-765-1700

L. Robert Kimball & Associates

Mr. David A. Rispoli, PE, PMP
328 Innovation Boulevard, Suite 222
State College, PA 16803
Phone: 814-867-4572

Awards Received

Alpha Associates, Incorporated

West Virginia University Alumni Center Early Site Package

Morgantown, WV

*American Council of Engineering Companies of West Virginia
2007 Gold Award*

West Virginia University Research Park

Morgantown, WV

*American Council of Engineering Companies of West Virginia
2007 Silver Award*

West Virginia University Jackson's Mill Pool

Jane Lew, WV

*American Council of Engineering Companies West Virginia
2005 Silver Award*

Morgantown Municipal Airport Taxiway Extension Turn Out Area

Morgantown, WV

*American Council of Engineering Companies West Virginia
2004 Gold Award*

Hazel Ruby McQuain Riverfront Park Amphitheater Roof

Morgantown, WV

*American Council of Engineering Companies West Virginia
2003 Gold Award*

Hazel Ruby McQuain Riverfront Park Amphitheater Roof

Morgantown, WV

*West Virginia Society of Architects
2003 Merit Award*

West Buckeye Bridge

Blacksville, WV

*American Council of Engineering Companies West Virginia
2003 Silver Award*



West Virginia Medal of Honor Recipients Memorial Plaza

Hazleton, WV

*West Virginia Association of Consulting Engineers
2002 Silver Award*

Market Street Bridge

Wheeling, WV

*West Virginia Association of Consulting Engineers
2002 Bronze Award*

**Cumberland Valley Railroad Depot
Professional Office Renovation Project**

Martinsburg, WV

Main Street West Virginia

2002 Best Exterior Restoration

**Cumberland Valley Railroad Depot
Professional Office Renovation Project**

Martinsburg, WV

West Virginia Society of Architects

2001 Merit Award

Blackshere Bridge

Marion County, WV

West Virginia Association of Consulting Engineers

2001 Silver Award

Morgantown High School Renovation

Morgantown, WV

West Virginia Society of Architects

1999 Merit Award

Engineering Research Building

West Virginia University

Morgantown, West Virginia

West Virginia Society of Architects

1991 Honorable Mention

Wheeling College Chapel

Wheeling, WV

West Virginia Society of Architects

1986 Honorable Mention

