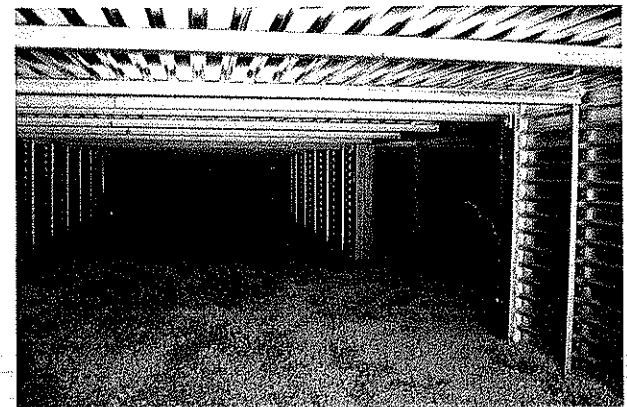
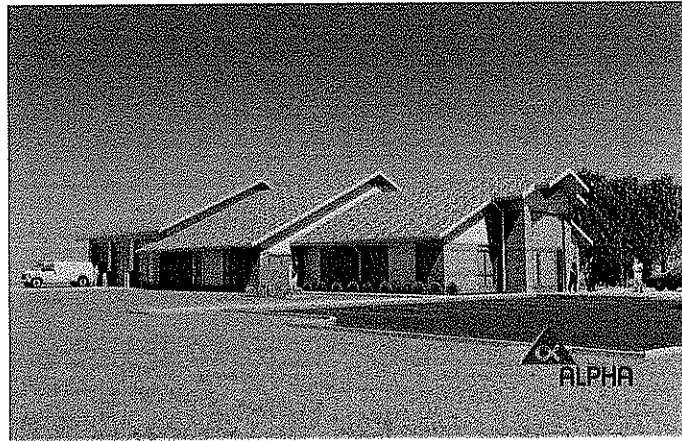
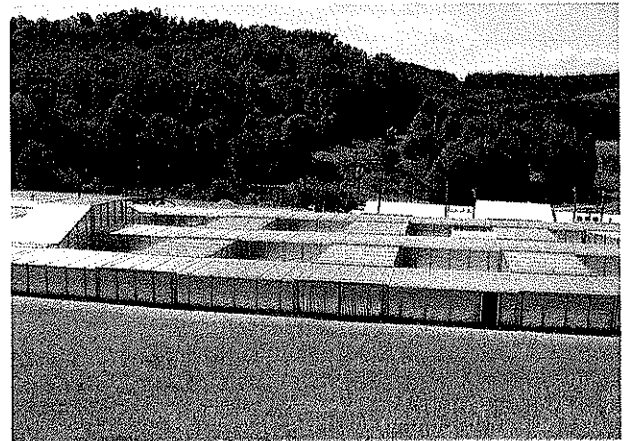


Purchasing Division
Health, Safety and Training Office of Miners'
Architectural/Engineering Services
September 15, 2009



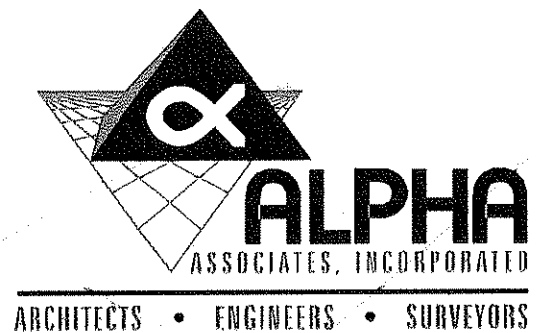
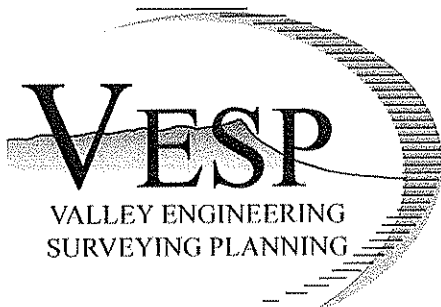
EXPRESSION OF INTEREST



RECEIVED

2009 SEP 14 P 12:47

PURCHASING DIVISION
STATE OF WV





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
HST1012

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
**FRANK WHITTAKER
 304-558-2316**

RFQ COPY

TYPE NAME/ADDRESS HERE

SHIP TO

**HEALTH, SAFETY AND TRAINING
 OFFICE OF MINERS'
 1615 WASHINGTON STREET EAST

 CHARLESTON, WV
 25311**

DATE PRINTED 08/19/2009	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
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BID OPENING DATE: **09/15/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-00-00-001		
<p>ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL</p> <p>EXPRESSION OF INTEREST (EOI)</p> <p>THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA OFFICE OF MINERS' HEALTH SAFETY & TRAINING, IS SOLICITING EXPRESSIONS OF INTEREST FOR ARCHITECTURAL AND ENGINEERING SERVICES FOR A MINE SAFETY AND TRAINING FACILITY.</p> <p>EXHIBIT 10</p> <p>REQUISITION NO.: HST1012</p> <p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NO.'S: NO. 1</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER. NO. 2</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>[Signature]</i>	TELEPHONE 304-296-8216	DATE 09-10-09
TITLE President and COO	FEIN 55-0516286	ADDRESS CHANGES TO BE NOTED ABOVE

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



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

Request for Quotation

RFQ NUMBER:
HST1012

PAGE:
2

ADDRESS: CORRESPONDENCE TO ATTENTION OF:
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 304-558-2316**

RFQ COPY
 TYPE NAME/ADDRESS HERE

VENDOR

SHIP TO

**HEALTH, SAFETY AND TRAINING
 OFFICE OF MINERS'
 1615 WASHINGTON STREET EAST
 CHARLESTON, WV
 25311**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
08/19/2009				
BID OPENING DATE: 09/15/2009		BID OPENING TIME 01:30PM		

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
	NO. 3					
	NO. 4					
	NO. 5					
<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, Incorporated COMPANY</p> <p style="text-align: center;">.. September 10, 2000 DATE</p> <p>REV. 11/96</p> <p style="text-align: center;">NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p style="text-align: center;">DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE <i>[Signature]</i>	TELEPHONE 304-296-8216	DATE 09-10-09	
TITLE President and COO	FEIN 55-0516286	ADDRESS CHANGES TO BE NOTED ABOVE	

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



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

Request for Quotation

RFQ NUMBER
HST1012

PAGE
3

ADDRESS CORRESPONDENCE TO ATTENTION OF
FRANK WHITTAKER 304-558-2316

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE

SHIP TO

HEALTH, SAFETY AND TRAINING
 OFFICE OF MINERS'
 1615 WASHINGTON STREET EAST

 CHARLESTON, WV
 25311

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
08/19/2009				
BID OPENING DATE: 09/15/2009		BID OPENING TIME 01:30PM		

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130						
THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED: SEALED BID						
BUYER:				44		
RFQ. NO.:				HST1012		
BID OPENING DATE:				09/15/09		
BID OPENING TIME:				1:30		
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: 304-296-8245						

CONTACT PERSON (PLEASE PRINT CLEARLY): Richard A. Colebank, PE, PS						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
SIGNATURE 	TELEPHONE 304-296-8216	DATE 09-10-09
TITLE President and COO	FEIN 55-0516286	ADDRESS CHANGES TO BE NOTED ABOVE

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



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

Request for Quotation

RFQ NUMBER
HST1012

PAGE
4

ADDRESS CORRESPONDENCE TO ATTENTION OF
**FRANK WHITTAKER
 304-558-2316**

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE

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**HEALTH, SAFETY AND TRAINING
 OFFICE OF MINERS'
 1615 WASHINGTON STREET EAST
 CHARLESTON, WV
 25311**

DATE PRINTED 08/19/2009	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
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BID OPENING DATE: **09/15/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
***** THIS IS THE END OF RFQ HST1012 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>[Signature]</i>	TELEPHONE 304-296-8216	DATE 09-10-09
TITLE President and COO	FEIN 55-0516286	ADDRESS CHANGES TO BE NOTED ABOVE

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

State of West Virginia
VENDOR PREFERENCE CERTIFICATE

Certification and application* is hereby made for Preference in accordance with *West Virginia Code*, §5A-3-37. (Does not apply to construction contracts). *West Virginia Code*, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the *West Virginia Code*. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

1. Application is made for 2.5% resident vendor preference for the reason checked:

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,

Bidder is a partnership, association or corporation resident vendor and 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 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,

Bidder is a 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; or,

2. Application is made for 2.5% resident vendor preference for the reason checked:

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; or,

3. Application is made for 2.5% resident vendor preference for the reason checked:

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, during the life of the contract, on average at least 75% of the employees or Bidder's 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; or,

4. Application is made for 5% resident vendor preference for the reason checked:

Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,

5. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:

Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,

6. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:

Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

Bidder understands if the Secretary of 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) reject the bid; 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.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of 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.

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.

Bidder: Alpha Associates, Inc.

Signed: 

Date: September 10, 2009

Title: President and COO

*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.

STATE OF WEST VIRGINIA
Purchasing Division**PURCHASING AFFIDAVIT****VENDOR OWING A DEBT TO THE STATE:**

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

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

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

ANTITRUST:

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

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

LICENSING:

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

CONFIDENTIALITY:

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

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

Vendor's Name: Alpha Associates, IncorporatedAuthorized Signature:  Date: September 10, 2009



ARCHITECTS • ENGINEERS • SURVEYORS

September 15, 2009

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

Attn: Mr. Frank Whitaker

**Re: RFQ # HST1012 – Architectural/Engineering Services
Mine Rescue & Training Facility**

Dear Mr. Whitaker,

Alpha Associates, Incorporated understands the importance of the proposed mine rescue station and training facility to the State of West Virginia and we want to be the firm you select to be your partner in bringing it to life.

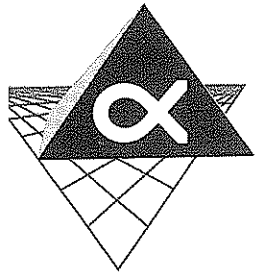
Experience/Design Team

In the past few years, Alpha has provided architectural and engineering services for multiple projects of this nature, including a Simulated Coal Mine System and Burn Room for West Virginia University, an Air Rescue and Fire Fighting Building for the Morgantown Municipal Airport, a Wood Technology Center for the Randolph County Development Authority, and we are currently working on the design of a new Operations Center for the Jefferson County Ambulance Authority. Additional information on these projects is included for your use.

Our experience with the above referenced projects will be a benefit to you on this project. Not only does Alpha offer the knowledge and experience needed to complete your Mine Rescue and Training Facility, we also give you a staff of 33 dedicated professionals and support staff that will make your project a priority.

Valley Engineering Surveying Planning (VESP) located in Harrisonburg, VA will provide mechanical, electrical, plumbing, and HVAC services as part of Alpha's team. VESP will bring added knowledge and experience from their wide array of engineering services.

Resumes for the key personnel responsible for the design of your project are included in this Expression of Interest.



Reduced Cost of Ownership

Several team members from both Alpha and VESP are LEED – Accredited Professionals. These individuals will make sure your facility is designed to be environmentally friendly with reduced energy consumption, therefore resulting in reduced cost of ownership. Currently Alpha is designing a new building for the State of West Virginia with a goal of LEED Silver rating.

Summary

Alpha's team will provide you with the knowledge and experience needed to successfully complete your project. We will be your partner in bringing this very important, Mine Rescue and Training Facility to West Virginia. Let Alpha and VESP exceed your expectations.

Sincerely,

ALPHA ASSOCIATES, INCORPORATED

A handwritten signature in black ink, appearing to read "Richard A. Colebank". The signature is fluid and cursive, written over the printed name.

Richard A. Colebank, PE, PS

President and COO

rcolebank@alphaaec.com

Cost and Budget

Alpha Associates, Incorporated

Alpha Associates, Incorporated has an excellent track record of producing projects on time and within the Owner's budget. Many architectural firms can claim the same successes, but the determining factor is the tools the firms utilize to achieve the budgets, both in regard to funds and time. Alpha utilizes a number of tools, both traditional and modern to exceed our clients' expectations.

A project schedule is a dynamic, ever changing entity. Your project schedule depends on many factors including:

- Preferred construction method
- Changes to project scope
- Unique construction elements

The Alpha Team has an excellent track record of meeting project design deadlines. Alpha recently completed a construction on a project in Morgantown that went from design to completion in just over 12 months. This project, was completed for a private developer and had a construction cost in excess of \$20 million.

Another recent project success was a multi million construction project for West Virginia University. This project, an addition to the Agricultural Sciences Building, also had an accelerated project schedule and was completed on time and within the budget.

Successful project management depends upon consensus regarding work efforts, milestones and goals. The team has found that the development of detailed work plans, which delineate tasks and deliverables for each project phase, in concert with the client and full project team, is the most effective means of establishing expectations about efforts required by the respective disciplines. In addition to guiding the efforts of the design team, the work plan sets forth specific time frames and decision points for Owner and user reviews, comments and approvals.

Developing an overall project schedule is a critical task that must take into account many factors: building type, owner's desire for occupancy, scope of work and level of documentation, whether contract(s) is bid or negotiated, available fee, and prior experiences on similar projects. Characteristic of the client, its organization, or the involvement of a construction manager and his responsibility for document review must also be considered.



This starts with a kick-off meeting which establishes ground rules, responsibilities, and line of communication. We have found that a team visioning session is a great way to get everyone started off on the right track.

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

Alpha's in house cost estimators, combined with an excellent relationship with contractors throughout the area, will provide you with the most accurate estimates of probable construction cost. Alpha Associates, Incorporated has developed ways of attracting bidders to your project. We have established an area of our website (www.alphaaec.com) that allows prospective prime contractors, as well as subcontractors, to investigate projects out to bid. Over the past several months, we have noticed an increase in the number of bidders that are interested in our projects. This will create a more competitive bidding environment, thus giving you a better price.



Quality Control Plan

Alpha Associates, Incorporated

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

Prior to releasing projects for bidding and construction, each project receives a Principal's review. The Principal-in-Charge of the project and the Project Manager conduct the review, which involves a complete evaluation of all internally produced and consultant produced construction documents. Alpha's construction administration staff performs a second assessment to examine constructability and coordination issues from the perspective of the construction field staff.

In addition to project management meetings, design principals meet bi-weekly to review all project schedules and all personnel utilization resulting in the overall best use of personnel in order to complete all projects on time.





Firm Profile

Alpha Associates, Incorporated

Firm Name: Alpha Associates, Incorporated

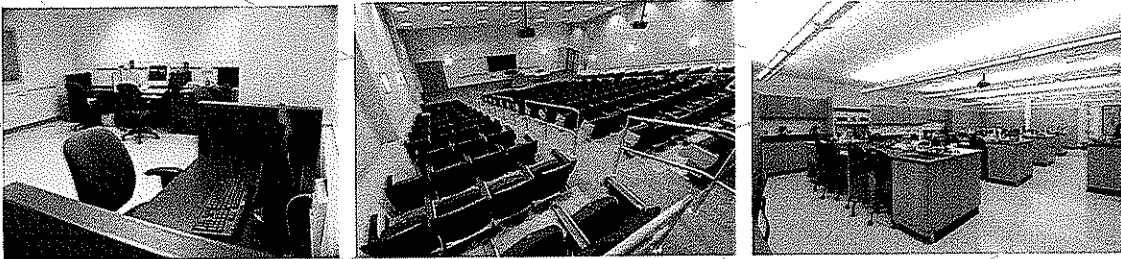
Corporate Office: 209 Prairie Avenue
Morgantown, West Virginia 26501

Eastern Regional Office: 535 West King Street
Martinsburg, West Virginia 25401

Incorporated: 1969; Morgantown, West Virginia

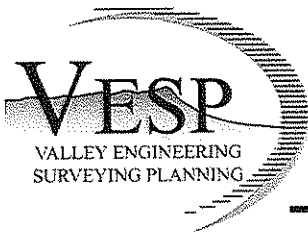
Firm Principals: Richard A. Colebank, PE, PS; President and COO
Richard W. Klein, PE, PS; Chairman and CEO
William A. Atwell, Jr., PE; Senior Vice President
James A. Davison, AIA; Vice President
Charles B. Luttrell, PE; Principal
Steven V. Buchanan, PE, PS; Principal
Matthew S. Breakey, AIA; Principal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

Number of Employees: 33 Employees



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





FIRM OVERVIEW

Founded in 1997, Valley Engineering Surveying Planning (VESP) has grown from a one man operation to a full service firm offering planning, transportation, surveying, civil, structural, mechanical, electrical, and plumbing design and consulting services. Acquiring Copper, Mars, Nicely & Associates in January 2000, VESP added planning and surveying to its capabilities. In July 2001, VESP increased its market by expanding to Winchester, Virginia with the acquisition of Artz & Associates. VESP now has 45 employees in two locations providing service in Virginia, West Virginia, and other surrounding states.

We work as a team with our clients to identify their needs and goals. Through schematic design, design development, and construction documents, each step of our design process is carefully communicated to the client. Our common goal is for the client to understand exactly what they should expect when their respective project is complete.

VESP believes successful projects begin with excellent planning and require interaction with the whole project team. Before beginning any design, we carefully help our client understand levels of expectation based on systems chosen and the amount of investment they are willing to make. Throughout the entire design process, we work with our clients to help them better comprehend project concepts that are both visible and hidden. We believe a better knowledge of these concepts creates increased owner awareness and satisfaction once the project is complete.

VESP's strength in our areas of expertise relies on over 150 years of combined design, construction, and installation experience. Prior to entering into the consulting business several members of the VESP design team worked for contracting firms building what we now design. This experience helps VESP develop reasonable budgets, accurate, energy efficient designs, and provides valuable insight for cost control during the design process.

We acknowledge the difficulty in selecting engineering firms. You expect creativity and technical expertise. Most firms have these attributes although many would disagree strenuously over what constitutes them. It has been our experience that clients want design firms committed to service, who genuinely listen, and who treat your work as if it were their own. We offer this service. Our philosophy is reflected in the creative and practical approach to unique problems, technical expertise, experience, history of excellent service, and principles.

Simulated Coal Mine System/Burn Room

2009

10/10/09

Engineering Case Studies

Project Description

Above Ground Simulated Coal Mine System and Burn Room Morgantown, WV

The West Virginia University College of Engineering and Mineral Resources operates a Mine Safety Training Facility in Monongalia County. The facility is located off Little Indian Creek Road. The Mining Extension Service conducts mine safety classes, training and instruction, and was interested in expanding their services to include actual fire simulations and other mine safety training in a simulated mine environment.

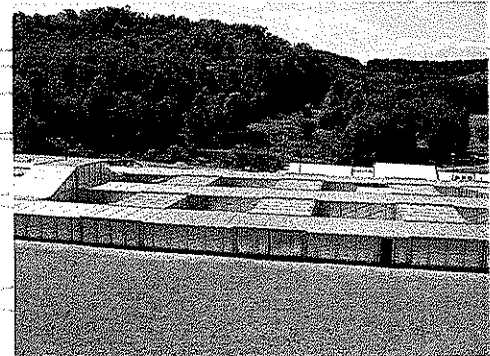
Alpha Associates was asked to provide design services for site work to construct an above ground simulated coal mine system including a central burn room. The site work included earthwork and grading to construct a gravel pad of approximately 60,000 square feet to serve as a base for the simulated coal mine system. Site work also included the extension of utilities to the site, including electric service, a water supply line with a 5000 gallon storage tank and fire hydrant to supply water for fire suppression during fire training exercises. A propane tank and supply lines were also designed to supply fuel to the fire training props.

Alpha worked with Rohmac, a supplier of specialized equipment for the mining industry, to construct the simulated coal mine system. The panelized system was fabricated at Rohmac's offsite facilities and erected onsite to form a continuous, enclosed simulated mine system of three entries and seven cross cuts. At the center of the system is the Burn Room, where live fire training exercises are conducted. The system also includes a Control Room adjacent to the Burn Room where the propane fueled props are remotely controlled.

Once operational, the facility is expected to be the benchmark for Mine and Rescue Training for all underground mining operations. Students will receive unparalleled training, combining underground rescue with fire training and leading the way in mine safety.

At A Glance...

- 1 Client:
West Virginia University
- 2 Location:
Morgantown, WV
- 3 Completion Date:
2009
- 4 Size:
60,000 Square Feet
- 5 Construction Cost:
\$1.1 Million



ARCHITECTS • ENGINEERS • SURVEYORS

National Research Center for Coal and Energy

PLANNING, DESIGN, AND CONSTRUCTION PROJECT
1993



Higher Education Case Studies

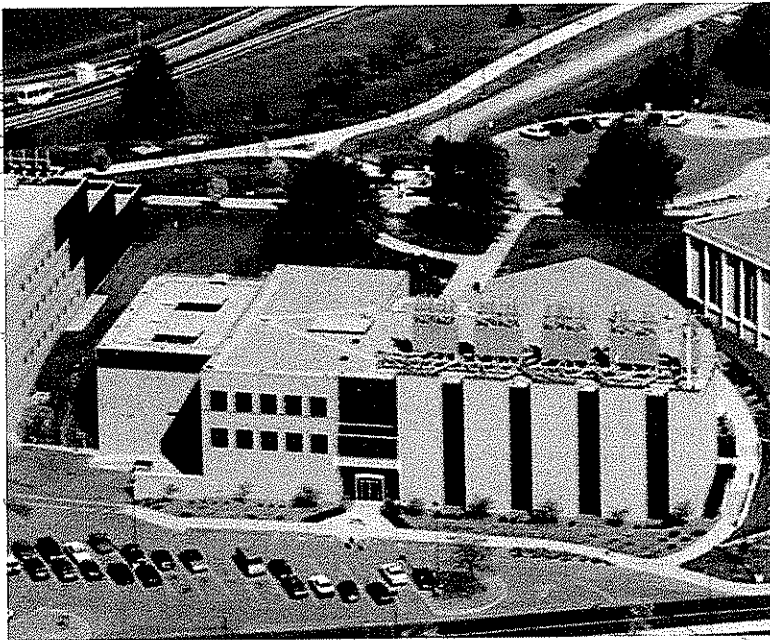
Project Description

West Virginia University—National Research Center for Coal and Energy Morgantown, WV

Alpha Associates, Incorporated provided design and construction administration services for this \$10.4 million facility at West Virginia University. This 60,500 square foot building contains research/testing areas, offices, large assembly/conference rooms and meeting rooms. The laboratories are designed to be modular and are equipped for bench scale experiments.

At A Glance...

- 1 *Client:*
West Virginia University
- 2 *Location:*
Morgantown, WV
- 3 *Completion Date:*
1993
- 4 *Size:*
60,500 SF
- 5 *Construction Cost:*
\$10.4 Million



ARCHITECTS • ENGINEERS • SURVEYORS

Airport Case Studies

Project Description

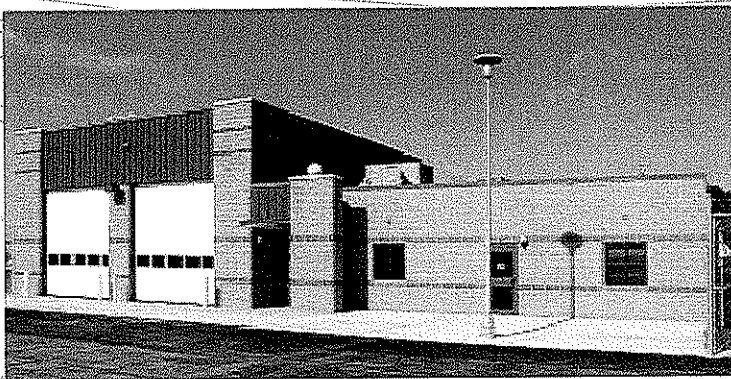
Morgantown Municipal Airport Air Rescue and Fire Fighting Building Morgantown, WV

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.

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



Higher Education Case Studies

Project Description

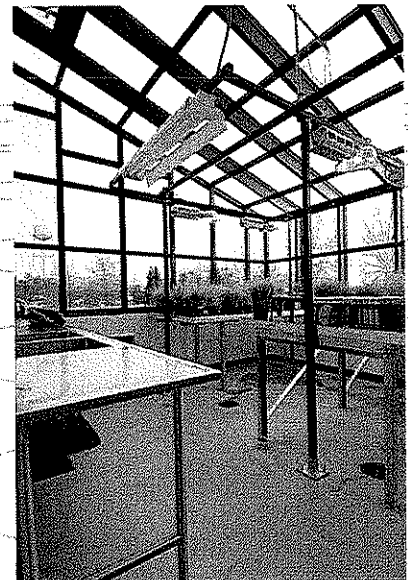
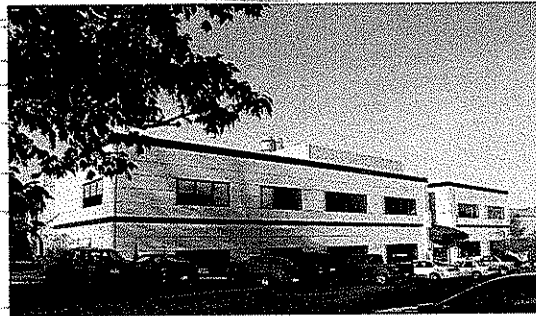
West Virginia University— South Agricultural Sciences Building Morgantown, WV

Alpha Associates, Incorporated provided architectural and engineering design services for a two-story addition to the south side of the Agricultural Sciences Building. The addition includes space for the Plant Pathology and Environment Microbiology Departments as well as research labs, lab support space, wet bench teaching labs, greenhouse, a 250 seat lecture hall and office space.

Alpha Associates has a cost estimating record that is very difficult to beat. This project came within less than an eighth of a percent of the low bid/contract amount.

At A Glance...

- 1 *Client:*
West Virginia University
- 2 *Location:*
Morgantown, WV
- 3 *Completion Date:*
2005
- 4 *Size:*
40,000 SF
- 5 *Construction Cost:*
\$7.3 Million



Architectural Case Studies

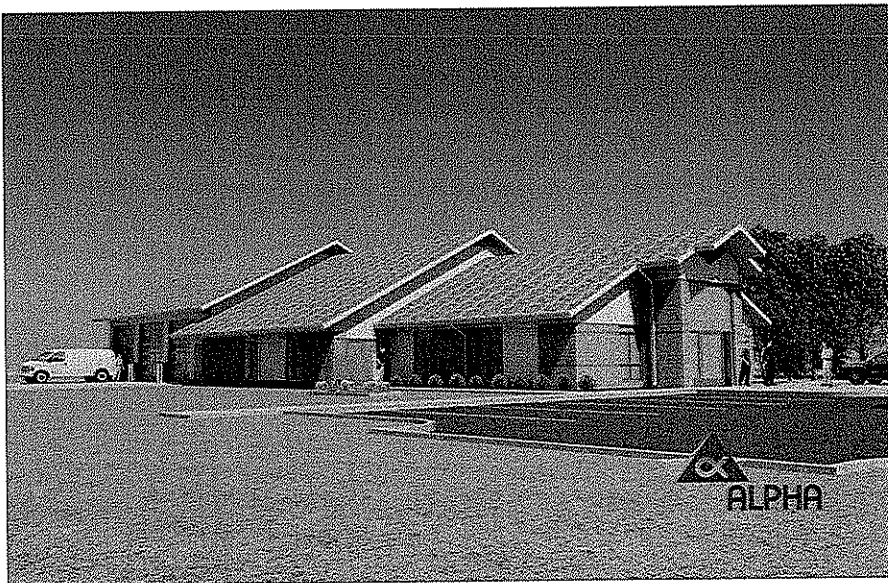
Project Description

Jefferson County Operations Center Martinsburg, West Virginia

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

At A Glance...

- 1 Client:
Jefferson County
Ambulance Authority
- 2 Location:
Ranson, WV
- 3 Completion Date:
Est. 2009
- 4 Size:
6,750 SF
- 5 Construction Cost:
\$1.2 Million



Engineering Research Building

PLANNING, DESIGN, AND
CONSTRUCTION PROJECT
1991

1

Higher Education Case Studies

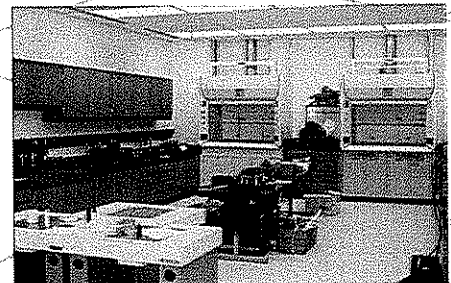
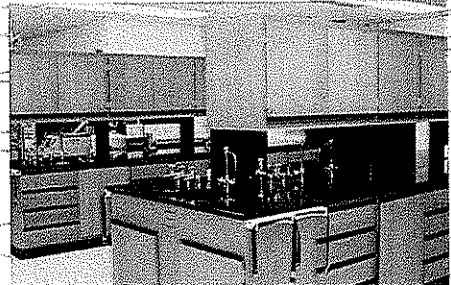
Project Description

West Virginia University—Engineering Research Building Morgantown, WV

Alpha Associates, Incorporated provided planning, design and construction administration services for this \$7.6 million building completed in 1991, on the Evansdale Campus of West Virginia University. It is a four-story, 60,350 square foot building. This facility is used exclusively for engineering graduate level research space. Alpha Associates, Incorporated received a design award from the West Virginia Society of Architects for this project.

At A Glance...

- 1 *Client:*
West Virginia University
- 2 *Location:*
Morgantown, WV
- 3 *Completion Date:*
1991
- 4 *Size:*
60,350 SF
- 5 *Construction Cost:*
\$7.6 Million



ARCHITECTS • ENGINEERS • SURVEYORS

Wood Technology Center

NEW CONSTRUCTION/ ADDITION

2005

New Construction Case Studies

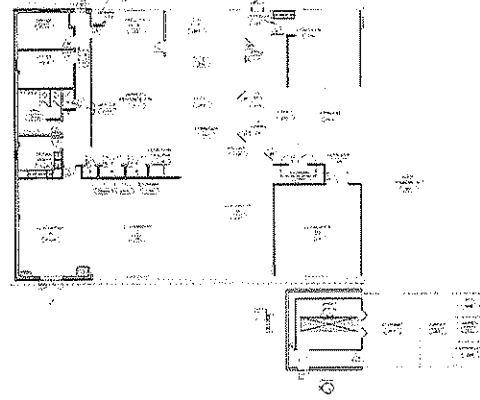
Project Description

Wood Technology Center Elkins, WV

The West Virginia Wood Technology Center offers continuing education students training and technical support. Alpha Associates, Incorporated provided the design and construction administration of the addition and interior renovation. Attached to the pre-existing Randolph County Development Authority, the Wood Technology Center project includes a 2070-SF metal addition of classroom and office space as well as 5400-SF interior renovation of existing classroom and offices. A state-of-the-art spray booth is also included in the project to enable top-quality finishing of wood projects produced in the wood shop.

At A Glance...

- 1 *Client:*
RCDA
- 2 *Location:*
Elkins, WV
- 3 *Completion Date:*
2005
- 4 *Size:*
2070 SF new space
5400 SF interior
renovation
- 5 *Construction Cost:*
\$436,000
- 6 *Project Relevance:*
 - Architectural Design
 - Pre-engineered Metal Building Components
 - Construction Administration
 - Classroom Space



Architectural Case Studies

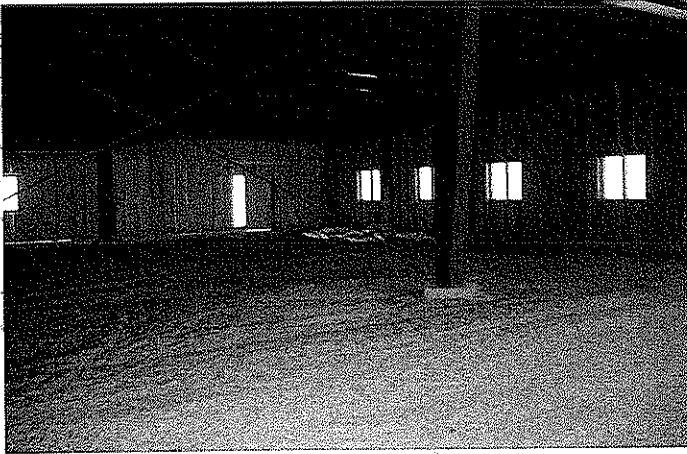
Project Description

FMW Composite Systems Hazleton, WV

Alpha Associates, Incorporated is providing design services for a factory fit-out of an existing pre-engineered metal building shell for FMW Composite Systems. The building will house both a factory/plant facility and office facilities. The total square footage of the factory fit-out is approximately 16,200 square feet.

At A Glance...

- 1 *Client:*
FMW Composite
- 2 *Location:*
Hazleton, WV
- 3 *Completion Date:*
Est. 2010
- 4 *Size:*
16,200 SF
- 5 *Construction Cost:*
Private Client



Miscellaneous Case Studies

Project Description

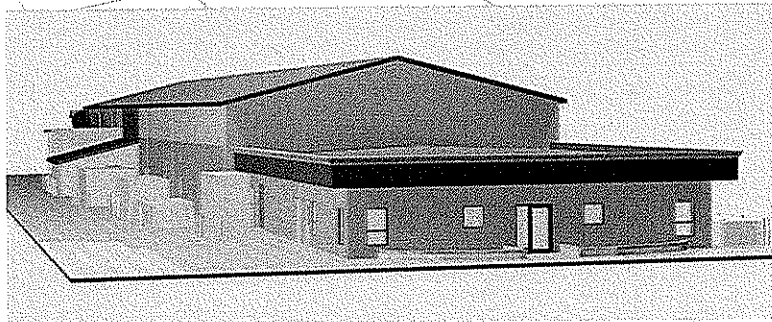
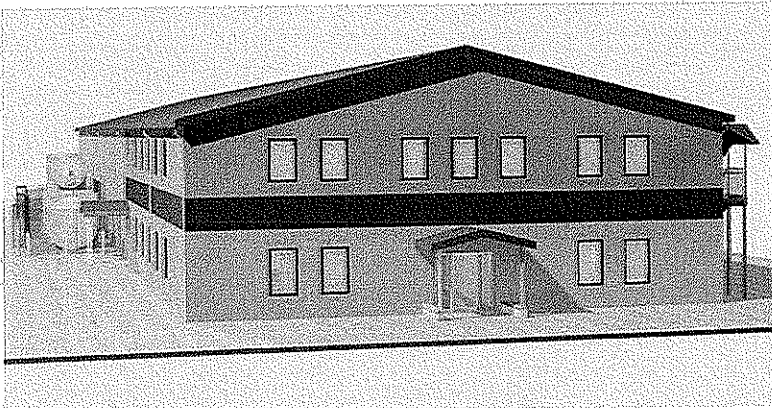
FMW Composite Bridgeport, WV

Alpha Associates, Incorporated provided complete design and construction documents for FMW Composite. The 14,500 SF building was designed to hold a manufacturing facility and also a two story 11,000 SF general administration building. The completion of this facility would enable FMW to produce 20 times their current capacity.

After the project went to bid, due to funding sources the client decided not to proceed with construction.

At A Glance...

- 1 *Client:*
FMW Composite
- 2 *Location:*
Bridgeport, WV
- 3 *Completion Date:*
2006
- 4 *Size:*
25,000 SF
- 5 *Construction Cost:*
Private Client



Structural Case Studies

Project Description

Chemtura Corporation **Morgantown, West Virginia**

Alpha Associates, Incorporated has been working with Chemtura Corporation for many years on an as-needed, on-call basis for their Structural Engineering needs. Alpha provides structural design services for maintenance and steel structure construction. Below are a few of the many services Alpha has provided under GE Chemicals, Crompton Industries and now Chemtura Corporation.

- Catwalk and Platform Design
- Structural Evaluations
- Feasibility Studies
- Roof Design
- Slab Analysis
- Hoist Beam Design and Ratings
- Beam Ratings
- Pipe Bridge Alterations
- Conceptual Plans
- Equipment Structural Support

At A Glance...

1

Client:
Chemtura Corporation

2

Location:
Morgantown, WV

3

Completion Date:
Multiple Projects

4

Size:
Multiple Projects

5

Construction Cost:
Private Client



SUMMARY

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

PROFILE

Broad-based responsibilities in the following areas:

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

PROFESSIONAL HIGHLIGHTS

PRINCIPAL-IN-CHARGE

Transportation Projects:

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

Civil Engineering Projects:

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

Indefinite Delivery/Indefinite Quantity Contracts:

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



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
Masters – Business Administration; 1999

UNDERGRADUATE: West Virginia University
BS – Civil Engineering; 1982

QUALIFICATIONS

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

AFFILIATIONS

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

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



JAMES A. DAVISON, AIA VICE PRESIDENT ARCHITECT jdavison@alphaaec.com	
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SUMMARY

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

PROFILE

Broad-based responsibilities in the following areas:

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

PROFESSIONAL HIGHLIGHTS

Higher Educational Facilities:

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

K-12 Educational Facilities:

- Washington High School, Charles Town, WV
- Westside High School; Clearfork, WV
- Wyoming East High School; New Richmond, WV
- Lewis County High School; Weston, WV
- Morgantown High School Addition/Renovation; Morgantown, WV
- Ridgedale Elementary School Addition; Morgantown, WV

Medical Facilities:

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



JAMES A. DAVISON, AIA
VICE PRESIDENT
ARCHITECT
jdavison@alphaaec.com

Miscellaneous Architectural Design:

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

EMPLOYMENT HISTORY

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

EDUCATION

UNDERGRADUATE: Pennsylvania State University
Bachelor of Architecture; 1973

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



MATTHEW S. BREAKEY, AIA, LEED-AP PRINCIPAL ARCHITECT mbreakey@alphaaec.com	
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SUMMARY

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

PROFILE

Broad-based responsibilities in the following areas:

- Architectural Design
- Construction Administration
- Contract Negotiations
- New Business Development

PROFESSIONAL HIGHLIGHTS

Higher Education Projects:

- Potomac State College, ADA Connector Link; Keyser, WV
- WVU Engineering Sciences Building East Wing Renovation/Addition; Morgantown, WV
- WVU Engineering Sciences Building 10th Floor Renovation; Morgantown, WV
- WVU Engineering Science Building Nano/Microtechnology Lab; Morgantown, WV
- WVU Alfred F. Galli Laboratory Renovations; Morgantown, WV

K-12 Education Projects:

- Washington 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

Miscellaneous:

- Clear Mountain Bank, Reedsville Branch; Reedsville, WV
- BC Bank Renovation/Addition, Philippi Branch; Philippi, WV
- Clear Mountain Bank, Oakland Branch; Oakland, MD
- Fairmont Federal Credit Union, Charles Pointe Branch; Bridgeport, WV
- Robert C. Byrd Health Sciences Center SRP Lab Renovation; Morgantown, WV



**MATTHEW S. BREAKEY, AIA,
LEED-AP**
PRINCIPAL
ARCHITECT
mbreaky@alphaaec.com

- 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

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
	Leadership in Energy and Environmental Design Accredited Professional

AFFILIATIONS

PROFESSIONAL:	American Institute of Architects
	West Virginia Society of Architects
	The Council of Educational Facility Planner International
	U.S. Green Building Council

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



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 - Hazelton, 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
- West Virginia University Alumni Center - Morgantown, WV
- WVU Health Sciences Center Eastern Division - Martinsburg, WV
- Residence Inn - Morgantown, WV
- FFCU - Charles Pointe - Bridgeport, WV

Recreational Facilities Projects:

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

Educational Projects:

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



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

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

EDUCATION

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

QUALIFICATIONS

LICENSE: Professional Engineer
West Virginia



ARCHITECTS • ENGINEERS • SURVEYORS

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

SUMMARY

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

PROFILE

Broad-based responsibilities in the following areas:

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

PROFESSIONAL HIGHLIGHTS

STRUCTURAL ENGINEER:

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

PROJECT MANAGER:

Bridge Design:

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



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

EMPLOYMENT HISTORY

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

EDUCATION

GRADUATE: West Virginia University
MS – Structural Engineering; 1995

UNDERGRADUATE: West Virginia University
BS – Civil Engineering; 1993

QUALIFICATIONS

LICENSE: Professional Engineer:
West Virginia, Maryland, Pennsylvania

AFFILIATIONS

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

RESEARCH EXPERIENCE

STRUCTURAL: Cold Formed Steel Deck Research

- Fastener failures
- Edge conditions/failures
- Buffered overlap shear failures

Composite Cold Formed Steel and Concrete Deck Research

- Line load behavior/failures
- Concentrated load behavior/failures
- Web crippling
- Punch failures



REBECCA J. KEY, AIA, NCIDQ, LEED - AP ASSOCIATE rkey@alphaaec.com	
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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
- Medical Design
- Interior Space Planning
- Historic Renovation

PROFESSIONAL HIGHLIGHTS

ALPHA ASSOCIATES

Educational Facilities:

- WVU South Agricultural Sciences; Morgantown, WV
- Prichard Hall Renovation; Fairmont State College; Fairmont, WV
- Washington High School; Jefferson County, WV
- WVU CRRB Renovation, 5th and 7th Floors; Morgantown, WV
- WVU Boreman Hall, Boreman Bistro; Morgantown, WV

Financial Institutions:

- Bruceton Bank; Glenmark Centre; Morgantown, WV
- Bruceton Bank Renovation; Bruceton Mills, WV
- Centra Bank; Wharf District; Morgantown, WV

Industrial Facilities:

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

Medical Facilities:

- Ruby Memorial Hospital Emergency Addition; Morgantown, WV
- Fairmont Clinic Feasibility Study; Fairmont, WV



REBECCA J. KEY, AIA, NCIDQ, LEED - AP ASSOCIATE rkey@alphaaec.com	
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Residential Architectural Design:

- Augusta Apartments; Morgantown, WV

Historic Renovations:

- Cass Club House; Cass, WV
- Berkeley Springs Bath House; Berkeley Springs, WV

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
- Monongalia County Family Court; Morgantown, 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 Leadership in Energy and Environmental Design Accredited Professional
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AFFILIATIONS

PROFESSIONAL:	American Institute of Architects; Member AIA Liveable Communities; Board Member
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CIVIC:	Fairmont, WV IBC Board of Appeal; Board Member
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SUMMARY

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

PROFILE

Broad-based responsibilities in the following areas:

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

PROFESSIONAL HIGHLIGHTS

ALPHA ASSOCIATES

Architectural Design:

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

EMPLOYMENT HISTORY

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

EDUCATION

UNDERGRADUATE:	Virginia Tech Bachelor of Architecture; 2004
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QUALIFICATIONS

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

AFFILIATIONS

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





VESP PROJECTS

Simms School

Harrisonburg, Virginia

- Completed structural, mechanical, electrical, and plumbing systems design for a renovation and addition to a historic school site serving the community. Community services include: Boy's and Girl's Club, After School Program, Counseling, Remote Police Office, Basketball Court, and Auditorium. 27,250 SF, \$5 million, 2003.

Winchester Medical Center Pharmacy Expansion and Renovation

Winchester, Virginia

- Completed mechanical, electrical, and plumbing systems design for a renovation and expansion of an existing hospital pharmacy area. Mechanical systems design included a new 33,000 cfm central air handling unit to serve the Pharmacy and a recently completed Cardio-Vascular Lab and a lab hood exhaust control system which varied in volume based on the sash position. Electrical systems design included Pharmacy equipment connections, fire alarm, lighting, and power. Plumbing systems design included phasing and expanding the garden level men's and women's toilets. Careful coordination between mechanical, electrical, and plumbing systems was required to fit all new components in a limited ceiling space. 13,650 SF, \$3 million, 2006.

Winchester Medical Center Lab Expansion

Winchester, Virginia

- Completed mechanical, electrical, and plumbing systems design for a complete renovation and expansion of an existing hospital lab area. HVAC system features included new air handling systems, energy recovery, and dedicated lab exhaust systems. Electrical systems design included lab equipment connections, fire alarm, lighting, and power. Plumbing systems design included a DI water system for lab use. Phasing renovations were essential in order to keep the lab in operation during construction. 15,000 SF, \$6 million.

Winchester Urgent Care Center Expansion and Renovation

Winchester, Virginia

- Completed mechanical, electrical, and plumbing systems design for expansion and renovation of a doctor's office suite. 9,600 SF, \$1,000,000, 2006/2007.



VESP PROJECTS

Nelson County – Bus Garage

Nelson County, Virginia

- Completed mechanical, electrical, and plumbing systems design for a 3-bay bus garage including office and meeting spaces. Design included in ground adjustable bus hoist systems, oil recovery heating system and split-system air handling units for space conditioning. 12,750 SF, \$1.4 million, 2002/2003.

Hampshire Replacement Hospital

Romney, West Virginia

- Prepared civil, structural, mechanical, electrical, and plumbing systems design documents for a new critical access hospital. HVAC systems design includes five (5) packaged rooftop units designed for hospital use with VAV systems and a complete building automation system. Heating hot water for the facility will be provided by two completely redundant hot water boilers with pumps and distribution piping. Significant electrical system features include a 3,000 amp main service with backup generator and automatic transfer switches. 62,575 SF, design complete 2009, construction beginning October 2009.

Hampshire Memorial Hospital – Medical Office Building

Romney, West Virginia

- Currently designing mechanical, electrical, and plumbing systems for the new medical office building. Mechanical systems include packaged DX rooftop units zoned according to exterior wall exposure. Electrical systems include main service, distribution panelboards, lighting, and normal power. 23,400 SF.

Inwood – Medical Office Building

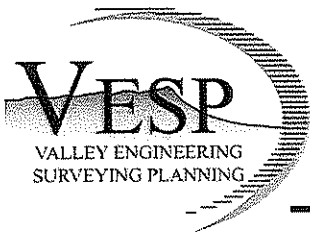
Inwood, West Virginia

- Currently designing mechanical, electrical, and plumbing systems for the new medical office building. Mechanical systems include packaged DX rooftop units zoned according to exterior wall exposure. Electrical systems include main service, distribution panelboards, lighting, and normal power. 9,700 SF.

Clarke County Sheriff's Office 911 Renovations

Berryville, Virginia

- Prepared electrical systems design for a new 911 department. Electrical systems design included 911 equipment connections, uninterrupted power supply, fire alarm, lighting, and power. 2,000 SF, 2006.



VESP PROJECTS

Dayton Municipal Building

Dayton, Virginia

- Prepared mechanical, electrical, and plumbing systems design for a new municipal building. Mechanical systems design included provisions for future unfinished space and energy recovery units to handle ventilation air for high occupancy spaces. Electrical systems design included fire alarm, audio/visual provisions, interior/exterior lighting, and power. Plumbing systems design included creative design ideas providing the owner with a high quality end product while keeping plumbing construction costs to a minimum. 15,000 SF, \$1.9 million, 2006.

Page Government Office Building

Luray, Virginia

- Prepared electrical systems design for a new government office building. Electrical systems design included government office equipment, fire alarm, elevator, interior/exterior lighting, and power. 26,000 SF, 2006.

Stafford American Legion Post #290

Stafford, Virginia

- Prepared electrical systems design for a new American Legion. Electrical systems design included commercial kitchen equipment, fire alarm, elevator, interior/exterior lighting, and power. 25,000 SF, 2006.

Augusta Library Phase I Addition and Renovation

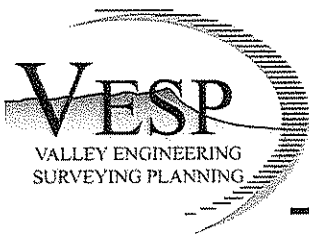
Fishersville, Virginia

- Completed structural, mechanical, electrical, and plumbing engineering for the construction of a building addition and renovation. Mechanical design detailed packaged gas heat/electric cool rooftop units to condition the additional/renovation areas using ducted supply and return air systems. Electrical design detailed new distribution panels from an existing MDP, new general purpose receptacles, dedicated duplex receptacles for reception and work station computers and decorative lighting to suit library needs. Plumbing systems included the addition of a sink and roof drains for the new addition. Structural systems included post I-beam, open web joists and foundation design. 7,600 SF, \$1,000,000, 2007/2008.

Harrisonburg Transportation Office

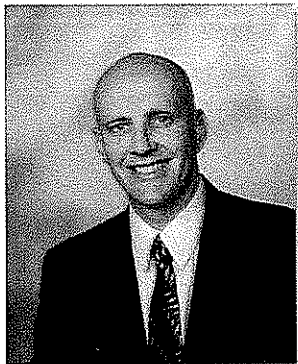
Harrisonburg, Virginia

- Completed mechanical, electrical, and plumbing systems design for an office addition. 4,200 SF, \$400,000, 2003.



Phillip L. Gentry, PE

Director of Building Systems



As the director of Building Systems, Phil Gentry is genuinely dedicated to raising the expectation and impression of consulting engineers. Phil has 25 years of combined experience related to industrial machine design, mechanical contracting, and mechanical, electrical, and plumbing systems design. His broad experience base provides unique skills in master planning, feasibility studies, estimating, existing building surveys, problem solving, building systems design, building controls, and an ability to quickly understand how designs fit within any given project.

Phil's knowledge and skills have developed through a wide range of projects including industrial, healthcare, nursing home, professional office, education, religious, historic, residential, and retirement community. He enjoys the challenge each project provides and strives to lead design teams with project management skills developed through a variety of experiences.

Phil's Building Systems professional experience includes:

Education

- Bachelor of Science, Mechanical Engineering
- Purdue University - 1984

Licensure

- Engineering - Virginia - 1995
- Engineering - West Virginia - 1999
- Engineering - Pennsylvania - 2002
- Engineering - Maryland - 2002
- Engineering - New Jersey - 2002
- Engineering - Kentucky - 2009
- Engineering - Tennessee - 2009

Years Experience

- VESP: 2005 - Present
- SES: 2000 - 2005
- Riddleberger Bros., Inc.: 1991 - 2000
- R.R. Donnelley & Sons: 1984 - 1991

Professional and Community Affiliations

- American Society for Healthcare Engineering
- The American Society of Mechanical Engineers
- American Society of Heating, Refrigerating, and Air-Conditioning Engineers
- National Fire Protection Association

■ Plumbing Systems

- Domestic Hot and Cold Water Systems
- High and Low Pressure Air Systems
- Sanitary and Vent Systems
- Process Water System
- Medical Gas Systems

■ HVAC Systems

- Single Zone HVAC Systems (DX)
- Steam and Condensate Systems
- Heating Hot Water Systems
- Chilled Water Systems
- VAV Systems
- Controls

■ Electrical Systems

- Uninterruptible Power Supplies (UPS)
- Normal and Emergency Power
- Switchgear
- Lighting

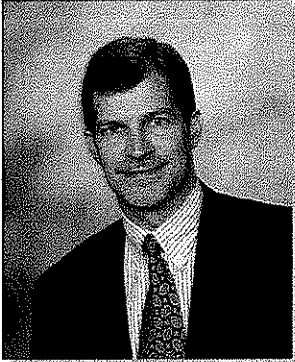
■ Facilities and Construction

- Systems Troubleshooting
- Contract Administration
- Facilities Management
- Project Management
- Cost Development
- Commissioning



Norman K. Clark, PE

*Assistant Director of Building Systems – Mechanical
Project Manager*



Mr. Clark's primary responsibility includes completing high end HVAC systems design for demanding projects. While Norman's focus is on HVAC systems design he also is responsible for office productivity, coordinating design disciplines, drafting tasks, project schedules and training younger engineers. Norman has 24 years of design experience as a consulting engineer. The breadth of his experience is apparent in the quality and speed of his design work. Norman strives to complete projects in a timely cost effective fashion while developing design documents with excellent content for contractor interpretation.

Architects often express their appreciation of Norman's focus relative to coordinating chase sizes, equipment location, ceiling heights, and team communication skills. Moreover contractors and owners express their appreciation of his ability to create cost effective and competitive design documents. Projects such as healthcare, nursing home, professional office, religious, and retirement community highlight his design skill set. He treats every project, large and small, like it is his own and approaches every project with equal enthusiasm.

Norman's Building Systems professional experience includes:

Education

- o Bachelor of Science, Mechanical Engineering
- o Virginia Polytechnic Institute and State University - 1983

Licensure

- o Engineering - Virginia - 1987

Years Experience

- o VESP: 2005 - Present
- o SES: 2003 - 2005
- o Other: 21

Professional and Community Affiliations

- o Young Life Local Area Committee - 5 years
- o Young Life Local Area Treasurer - 3 years

■ HVAC Systems Design

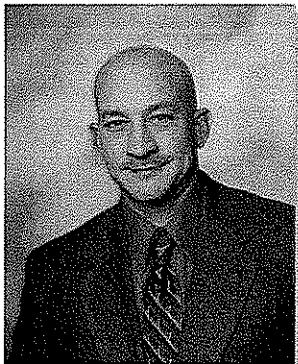
- o Single Zone HVAC Systems (DX)
- o Steam and Condensate Systems
- o Heating Hot Water Systems
- o VAV and CV Air Systems
- o Chilled Water Systems
- o Controls

■ Plumbing Systems Design

- o Domestic Hot and Cold Water Systems
- o Sanitary and Vent Systems
- o Storm Drainage Systems
- o Gas Piping



William S. Bennett, EIT *Electrical Engineer, Project Manager*



Mr. Bennett's responsibility encompasses completing electrical systems design for a variety of Valley Engineering's market segments. The diversity of work Scott has experienced provides an opportunity to apply an assortment of design techniques to any given project. His desire to provide accurate design documents is evident with every project as he finds ways to improve his own skill set while working with the design team to prepare cost effective and complete design documents.

Scott has been a consulting engineer for 8 years. Prior to moving into the consulting field he was employed by a local electrical contracting firm. His responsibilities included estimating, project management and electrical systems design. This varied background allows Scott to complete economical electrical designs for industrial, institutional, educational, healthcare, professional office, commercial, historic, religious, shopping center, nursing home and assisted living communities.

Scott's Building Systems design experience includes:

- Electrical Systems Design
 - Generator and Automatic Transfer Switches
 - Hospital Life Safety, Critical Branch, and Equipment Branch Electrical Distribution
 - Uninterruptible Power Supplies (UPS)
 - Lighting Control Systems
 - Main Electrical Service
 - Building Lighting
 - Normal Power
 - Site Lighting
 - Switchgear
 - Fire Alarm
- Building Surveys
 - Existing Service Capacity Assessment
 - Existing Generator Size Assessment
 - Existing Building Riser Diagram Development
 - Existing Lighting Assessment

Education

- Bachelor of Science, Electrical Engineering
- West Virginia Institute of Technology - 1992

Licensure

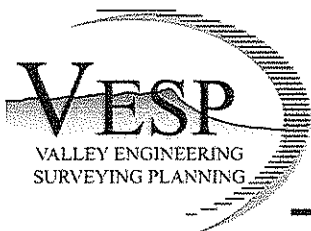
- EIT - Virginia - 1992

Years Experience

- VESP: 2005 - Present
- SES: 2001 - 2005
- Broadway Electric: 1992 - 2001

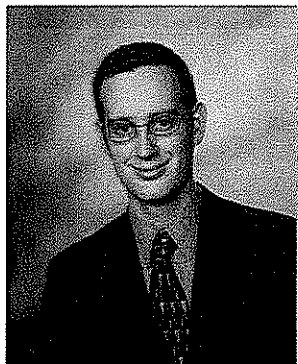
Professional and Community Affiliations

- Massanutten Technical Center Continuing Education Instruction: 1999 - 2004



Mark D. Kipps, PE

Plumbing Engineer, Project Manager



Mr. Kipps' primary responsibility includes completing plumbing systems design for Valley Engineering projects. Mark also completes some light HVAC systems design. Prior to becoming a consulting engineer, his industrial experience helped develop excellent estimating skills. As a result of this, Mark understands an owner's desire to provide affordable and constructible designs.

Mark has a passion for engineering and is not afraid to put extra effort into any design to make it successful. He has completed plumbing systems designs in healthcare, industrial, educational, professional office, historic, religious, and shopping centers.

Mark's Building Systems professional design experience includes:

Education

- Bachelor of Science, Mechanical Engineering
- Virginia Tech - 2002

Licensure

- Engineering - Virginia - 2009

Years Experience

- VESP: 2007 - Present
- Kennametal, Inc.: 2006 - 2007
- SES: 2004 - 2006
- Johns Manville: 2002 - 2004

Professional and Community Affiliations

- Virginia 4-H All Stars
- Muhlenberg Lutheran Church

■ Plumbing Systems

- Domestic Hot and Cold Water Systems
- High and Low Pressure Air Systems
- Natural Gas and Propane Piping
- Acid Neutralization Systems
- Oil/Sand Interceptor Design
- Sanitary and Vent Systems
- Grease Interceptor Design
- Water Softening Systems
- Process Water Systems
- Medical Gas Systems

■ HVAC System

- Fuel Oil Storage and Delivery Systems
- Single Zone HVAC Systems (DX)
- Kitchen Hood Systems
- Steam Systems

■ Facilities

- Systems Troubleshooting
- Facilities Management
- Project Management
- Cost Development