



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
 DNRB11044

PAGE
 1

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

RFQ COPY
 TYPE NAME/ADDRESS HERE

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

DIVISION OF NATURAL RESOURCES
 PARKS & RECREATION SECTION

324 4TH AVENUE
 SOUTH CHARLESTON, WV
 25303-1228 304-558-3397

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
10/27/2010				

BID OPENING DATE: 12/01/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-00-00-001		
ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL EXPRESSION OF INTEREST (EOI) THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF NATURAL RESOURCES, IS SOLICITING EXPRESSIONS OF INTEREST TO PROVIDE ARCHITECTURAL AND ENGINEERING SERVICES FOR DESIGN, CONSTRUCT OR SPECIFY IMPROVEMENTS TO CERTAIN BUILDINGS AT HAWKS NEST, TWIN FALLS, AND PIPESTEM STATE PARKS PER THE ATTACHED. ALL TECHNICAL QUESTIONS MUST BE SUBMITTED IN WRITING TO FRANK WHITTAKER IN THE WV PURCHASING DIVISION VIA EMAIL AT FRANK.M.WHITTAKER@WV.GOV OR VIA FAX AT 304-558-4115. DEADLINE FOR ALL TECHNICAL QUESTIONS IS 11/08/10 AT 4:00 PM. THE TECHNICAL QUESTIONS WILL BE ADDRESSED BY ADDENDUM AFTER THE DEADLINE. EXHIBIT 10 REQUISITION NO.: 2010 REC-7 A 10:21 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.						

RECEIVED

PURCHASING DIVISION
 STATE OF WV

SIGNATURE		TELEPHONE 304-296-8216	DATE 11-22-10
TITLE Vice President	FEIN 55-0516286	ADDRESS CHANGES TO BE NOTED ABOVE	

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



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2

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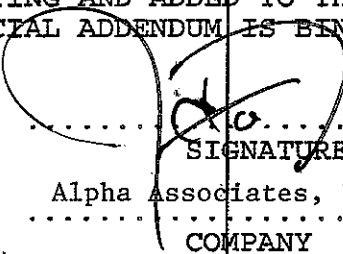
Alpha Associates, Inc.
 209 Prairie Avenue
 Morgantown, WV 26501

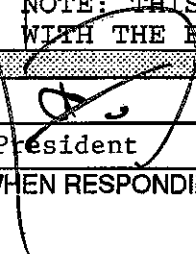
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ADDENDUM NO. S:						
						X
	NO. 1				
	NO. 2				
	NO. 3				
	NO. 4				
	NO. 5				
I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.						
VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION 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.						
 SIGNATURE Alpha Associates, Incorporated COMPANY November 22, 2010 DATE						
NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE BID.						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE	TELEPHONE	DATE	
	304-296-8216	11-22-10	
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE	
Vice President	55-0516286		

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BUYER

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<p>REV. 09/21/2009 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.</p> <p style="text-align: center;">NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO: 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: SEALED BID</p> <p>BUYER: 44 RFQ. NO.: DNRB11044 BID OPENING DATE: 12/01/10 BID OPENING TIME: 1:30 PM</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
	304-296-8216	11-22-10
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE
Vice President	55-0516286	

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10/27/2010				

BID OPENING DATE: 12/01/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOF	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: 304-286-8216 ----- CONTACT PERSON (PLEASE PRINT CLEARLY): James A. Davison, AIA ----- ***** THIS IS THE END OF RFQ DNRB11044 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
	304-296-8216	11-22-10
TITLE Vice President	FBN 55-0516286	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.

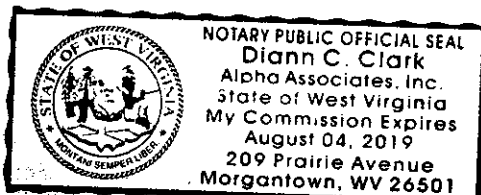
"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality 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.

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

WITNESS THE FOLLOWING SIGNATUREVendor's Name: Alpha Associates, Inc.Authorized Signature:  Date: 11.24.10State of West VirginiaCounty of Monongalia, to-wit:Taken, subscribed, and sworn to before me this 24 day of November, 2010My Commission expires August 4, 2019

AFFIX SEAL HERE

NOTARY PUBLIC 



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
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 25303-1228 304-558-3397

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BID OPENING DATE: 12/01/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
***** ADDENDUM NO. 1 *****						
THIS ADDENDUM IS ISSUED TO PROVIDE THE ATTACHED TECHNICAL QUESTIONS AND ANSWERS AND STRUCTURAL REPORT SUMMARIES.						
THE BID OPENING DATE AND TIME HAVE NOT CHANGED.						
***** END ADDENDUM NO. 1 *****						
0001	1	LS		906-00-00-001		
ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL						
***** THIS IS THE END OF RFQ DNRB11044 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE 	TELEPHONE 304-296-8216	DATE 11-22-10
TITLE Vice President	FEIN 55-0516286	ADDRESS CHANGES TO BE NOTED ABOVE

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 25303-1228 304-558-3397

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
11/23/2010				

BID OPENING DATE: 12/08/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 2						
THIS ADDENDUM IS ISSUED TO EXTEND THE BID OPENING DATE.						
BID OPENING DATE IS EXTENDED TO: 12/08/2010						
BID OPENING TIME REMAINS: 1:30 PM						
***** END ADDENDUM NO. 2 *****						
0001	1	LS		906-00-00-001		
ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL						
***** THIS IS THE END OF RFQ DNRB11044 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE 	TELEPHONE 304-296-8216	DATE November 29, 2010	
TITLE Vice President	FEIN 55-0516286	ADDRESS CHANGES TO BE NOTED ABOVE	

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



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PROPERTY

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

PROPERTY

DIVISION OF NATURAL RESOURCES
 PARKS & RECREATION SECTION
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 25303-1228 304-558-3397

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
12/01/2010				

BID OPENING DATE: 12/08/2010 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
***** ADDENDUM NO. 3 *****						
THIS ADDENDUM IS ISSUED TO PROVIDE THE ATTACHED TECHNICAL QUESTION AND ANSWER.						
BID OPENING DATE AND TIME HAVE NOT CHANGED.						
***** END ADDENDUM NO. 3 *****						
0001	1	LS		906-00-00-001		
ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL						
***** THIS IS THE END OF RFQ DNRB11044 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE 	TELEPHONE 304-296-8216	DATE December 2, 2010
TITLE Vice President	FAX 55-0516286	ADDRESS CHANGES TO BE NOTED ABOVE

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



ARCHITECTS • ENGINEERS • SURVEYORS

December 1, 2010

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

Attn: Mr. Frank Whittaker, Senior Buyer

Re: *Expression of Interest – Architectural/Engineering Services*
RFQ# DNRB11044

Dear Mr. Whittaker,

Alpha Associates, Incorporated (Alpha) is very pleased to submit this Expression of Interest to provide architectural and engineering design services for Hawks Nest State Park Lodge, Twin Falls Resort State Park Lodge and Recreation Building Structural Repairs, and Pipestem Resort State Park Recreation Building Renovation. Our 41 years of experience combined with our knowledge of working with the WV Division of Natural Resources makes us the perfect partner for you.

EXPERIENCE

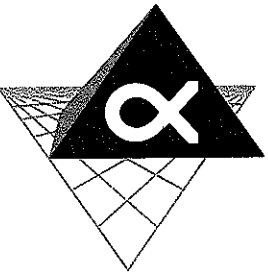
Alpha has completed several projects that are similar in nature to this project including two recent projects for the West Virginia Division of Natural Resources. The Cass Scenic Railroad Clubhouse Renovation and the Berkeley Springs Bath House Renovation are just two of the many projects that have given us the knowledge and experience needed to complete the repairs and renovations to your facilities.

Alpha's in-house staff of architects and structural engineers has over 40 years of experience in the renovation and preservation of buildings throughout West Virginia. These projects include buildings from all eras. Alpha's project experience ranges from minimal structural stabilization to full scale building restorations.

More detailed information on the above projects and more are included in the "Experience" section of this Expression of Interest.

TEAM

Alpha's team of 35 professionals and support staff is ready to make your projects a priority. You will be given a dedicated team of experts who will ensure the success of this project. Alpha's services include architectural design, structural engineering, civil



engineering, interior design, landscape design, surveying, and construction administration.

Alpha's in-house structural engineers have performed several structural assessments very similar to the ones performed on your buildings by CAS Structural Engineering, Inc.. Our architects and engineers have the ability and experience needed to take the structural assessments that are already completed and carry through with implementing the design and construction.

To further assist with your needs we have included Miller Engineering, Inc. as part of our team to provide mechanical, electrical, plumbing and fire safety engineering design services. Alpha and MEI have worked together on numerous successful projects throughout the past 10 years including two projects for the WV DNR.

PROJECT DELIVERY / SCHEDULE

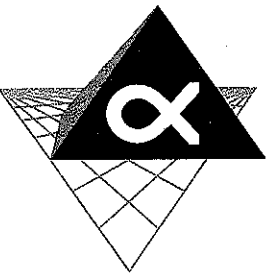
We understand that these projects will need to go from execution of the contract for design to construction completion on budget in 2 years or less. Our procedures to make this happen include:

- Adherence to Strict Design Schedule
- Allowance for Agency Approvals
- Require Cost Loaded Schedule
- Diligent Construction Administration
- Direct Principal Interaction and Project Review

Alpha proposes a sample Project Approach for your projects as follows:

- Step 1: Preliminary Design and Cost Estimates
- Step 2: Design Development and Cost Estimates
- Step 3: Construction Documents and Cost Estimates
- Step 4: Construction Bidding
- Step 5: Construction Administration

Completing a cost estimate at each phase will ensure that your project stays on time and budget. Alpha utilizes a two-person cost estimating team. This team of estimators is responsible for providing construction and cost estimating data to all Alpha project teams. Because we have in-house certified specialists, our cost estimators can work in cooperation with our architectural and engineering staff during the early design phases of a project enabling us to judiciously manage time and costs.



Our estimates average 3% higher than the low bid/award contract amount. To accomplish this stellar record, Alpha's cost estimating team uses a comprehensive process consisting of four main resources:

1. State-of-the-art cost estimating software including *MEANS Cost Works* and *ProEst Estimating*,
2. Contractors, vendors and manufacturers,
3. Historical cost data of similar recently completed projects, and
4. Third party cost estimating firms by owner request.

PROJECT COMMUNICATION

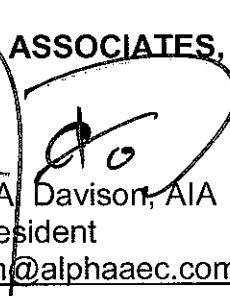
Alpha's website enables our clients to communicate with us through our Internet home page, providing file transfer and project specific information as well as up-to-date information on Alpha Associates, Incorporated. Another tool that we use to transfer files between Alpha, clients, and contractors is our FTP site. This site allows clients and contractors to download and upload project materials. In addition to these methods of communication each of Alpha's staff has e-mail capabilities as well as all Project Principals and Project Managers are equipped with cell phones for our client's convenience. Alpha also understands the benefit of face to face communication and our Project Principals and Project Managers are available to meet with you at your convenience.

SUMMARY

Our Project Team has the multi-discipline expertise and the range of experience needed to successfully complete the repair/renovation projects at Hawks Nest State Park, Twin Falls Resort State Park Lodge and Pipestem Resort State Park. We are very eager to maintain our reputation for professional excellence and continue our relationship with the WV Division of Natural Resources. We will commit our resources to provide you with quality services, on time and within budget!

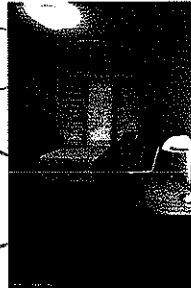
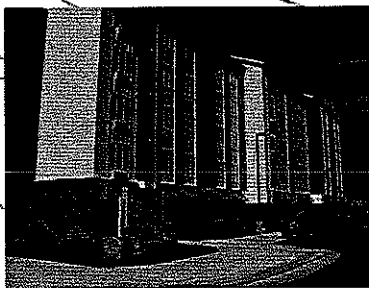
Sincerely,

ALPHA ASSOCIATES, INCORPORATED


James A. Davison, AIA
Vice President
jdavison@alphaaec.com

Firm ProfileALPHA ASSOCIATES,
INCORPORATED
2010**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
James A. Davison, AIA; Vice President
Charles B. Luttrell, PE; Principal
Steven V. Buchanan, PE, PS; Principal
~~Matthew S. Breakey, AIA, LEED-AP; Principal~~
~~Charles B. Branch, PE; Principal~~**Number of Employees:** 36 Employees

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



ARCHITECTS • ENGINEERS • SURVEYORS

Historic Case Studies

Project Description

Cass Scenic Railroad – Clubhouse Renovation Cass, WV

Alpha Associates, Incorporated performed an evaluation of the building condition, structural foundation, and mechanical and electrical systems of the Clubhouse at Cass Scenic Railroad to document the historic structure and utilize the information to determine what the best use of the building would be for the Division of Natural Resources. Alpha then designed the renovation of this historic landmark originally built in 1916.

Renovation of the Cass Clubhouse was first developed as a lodge concept. When that was deemed too costly, the renovation/restoration design was confined to the exterior building shell and first floor. This will stabilize the building and "fix" major problems while allowing the first floor to be operated as a museum. The upper floor will be "moth-balled" until another use and/or funding is available. The project is anticipated to be completed in late spring 2009.

At A Glance...



Client:
Division of Natural Resources



Location:
Cass, WV



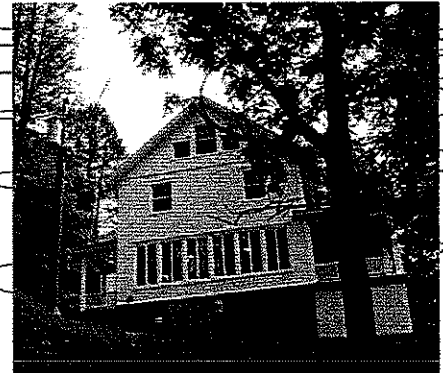
Completion Date:
Spring 2009



Size:
5,163 SF



Construction Cost:
\$505,000



Berkeley Springs Bath House

HISTORICAL
RENOVATION
2009

1

Historic Case Studies

Project Description

Berkeley Springs Bath House Berkeley Springs, WV

Alpha Associates, Incorporated designed the renovation of this historic landmark originally built in 1929 with a 1949 addition. The Bath House in Berkeley Springs State Park is open to the public and is operated year round by the Park Service. Approximately 12,000 people are served by the facility in a typical year, most staying at the nearby inn while others are from the surrounding community.

The renovation includes restoration of the historic masonry exterior. New hot water storage tanks and boilers are a major component of the design, as well as, central air-conditioning, which the Bath House never had before.

At A Glance...



Client:
Division of Natural Resources



Location:
Berkeley Springs, WV



Completion Date:
Summer 2009



Size:
7,127 square feet



Construction Cost:
2.2 Million

The Interior will have added amenities such as whirlpool baths. The Bath House will be upgraded to reflect a more "spa-like" ambiance. The existing Roman Baths will have new liners and saunas will be added for the benefit of the Bath House patrons. It is anticipated the project will be completed summer of 2009.



ARCHITECTS • ENGINEERS • SURVEYORS

Financial Case Studies

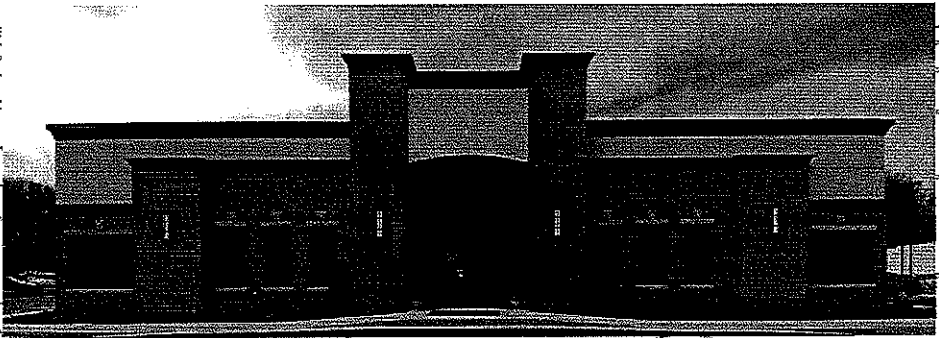
Project Description

Clear Mountain Bank Formerly Bruceton Bank Morgantown, WV

Alpha Associates, Incorporated was proud to provide architectural, structural, and interior design for another Bruceton Bank project. The original site of the bank was a Ponderosa Restaurant. The site was renovated and the drive through was added. The construction phase of this project was completed in early 2005.

At A Glance...

- Client:
Bruceton Bank
- Location:
Morgantown, WV
- Completion Date:
2005
- Size:
5722 SF
- Construction Cost:
Private Client



Before



Architectural Case Studies

Project Description

Upshur County Senior Opportunity Center Buckhannon, WV

Alpha Associates, Incorporated has provided a two-phase project for the Upshur County Senior Opportunity Center. Phase one included a feasibility study to determine the necessary adjustments. Phase I consisted of the renovation of the 3300 sq. ft. Annex. The project included an interior selective demolition, wood framing, ramp & stair construction, wood & steel railings, H.M. & wood doors & frames, window installation/replacement, gypsum board, acoustical ceilings, flooring & base, painting, plumbing, fire sprinkler and fire service lines, HVAC and electrical & lighting work. The addition of a canopy was also necessary and included limited earthwork, concrete footings & slabs-on-grade, CMU foundations, steel railings, wood roof framing, molded FRP columns & trim, metal soffits and fascias, vinyl siding, shingles, caulking & sealing, and lighting work.

Phase II was the design of an indoor-ramped walkway, which connected the Dessie Graves Building to the Annex. Also included in this renovation was new finishes in the Dessie Graves Center.

At A Glance...



Client:
Upshur County Senior Opportunity Center



Location:
Buckhannon, WV



Completion Date:
Multi Phase Project



Size:
Multiple Spaces



Construction Cost:
Private Client



Project Relevance:

- Architectural Design
- ADA Compliant
- Administrative Areas
- Multi-Purpose Rooms



Before



**Professional Office
Building**

HISTORICAL
RENOVATION
2001

Historic Case Studies

Project Description

**KCAD Professional Office Building
Martinsburg, WV**

Alpha Associates, Incorporated completed the restoration of this historic train station to be used as the Alpha Eastern Regional Office. The Martinsburg Train Station is part of the Boom Town Historic District. Originally constructed in 1889 to allow for the expansion of the Cumberland Valley Railroad, the Depot has not been used for passengers since the 1950's. Extensive care was taken to maintain the original windows and to restore much of the original façade. Alpha received a West Virginia Society of Architects Design award for this historical restoration.

At A Glance...



Client:
KCAD Properties



Location:
Martinsburg, WV



Completion Date:
2001



Size:
Private Client



Construction Cost:
Private Client

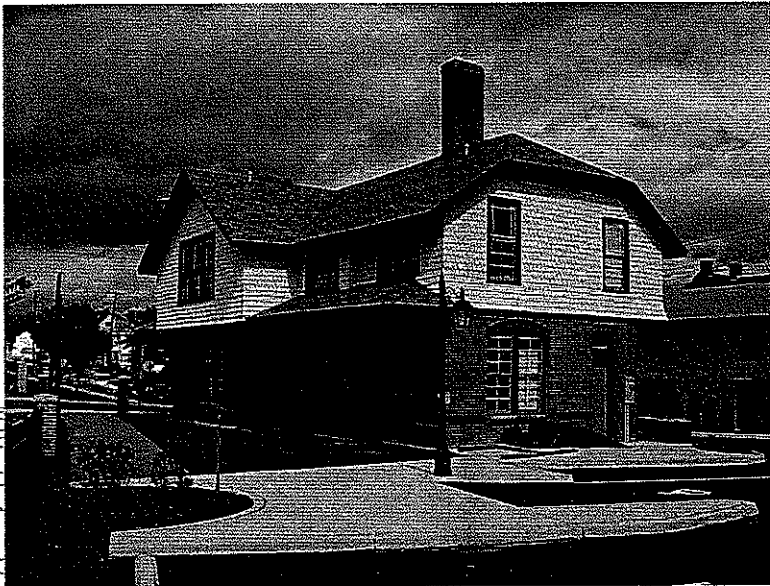


ARCHITECTS • ENGINEERS • SURVEYORS

Historic Case Studies

Project Description

KCAD Professional Office Building Martinsburg, WV



At A Glance...

- 1 Client:
KCAD Properties
- 2 Location:
Martinsburg, WV
- 3 Completion Date:
2001
- 4 Size:
Private Client
- 5 Construction Cost:
Private Client



Higher Education Case Studies

Project Description

West Virginia University--Stalnaker Hall Morgantown, WV

The original center section of Stalnaker Hall was completed in 1919, with two additional wings added in 1939. This renovation project replaced dormitory-style quarters with suites containing 306 bedrooms and shared living space. The food services area of Stalnaker Hall also underwent renovations. Alpha Associates, Incorporated teamed with a national A/E firm to provide civil engineering, structural engineering and construction administration. The 95,000 square foot project included the following: restoration/reconstruction of entire building, ADA parking area, ADA ramps, new sidewalks and steps, handrails and landscaping, asbestos abatement, skylights, new roof, elevator, window replacement.

At A Glance..



Client:
West Virginia
University



Location:
Morgantown, WV



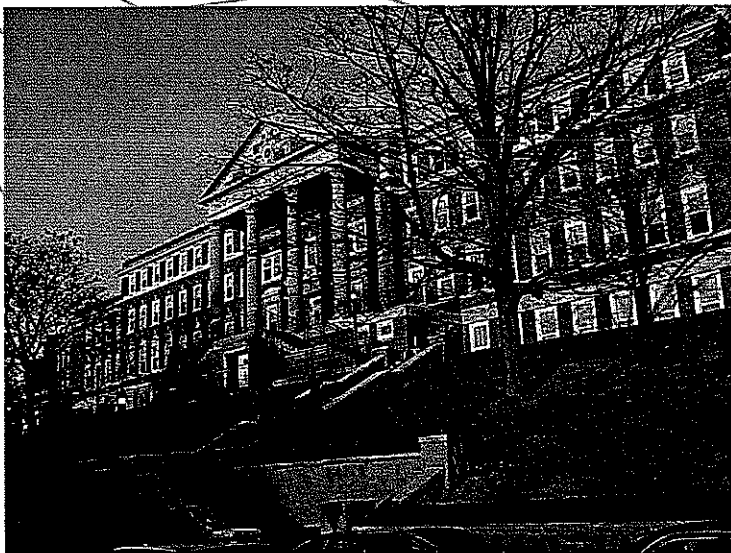
Completion Date:
1993



Size:
95,000 SF



Construction Cost:
\$12 Million



Engineering Case Studies

Project Description

Women's Club of Fairmont Fairmont, WV

This two-story residence was built on a bluff overlooking the Monongahela River in the early 1900s. On the National Register of Historic Buildings, the Women's Club of Fairmont has owned the building since the 1930s. Alpha Associates, Incorporated provided architectural engineering design services for the stucco home including roof and downspouts, fireplace and chimney, windows,

At A Glance...

- 1 Client:
Women's Club of
Fairmont
- 2 Location:
Fairmont, WV
- 3 Completion Date:
2002
- 4 Size:
Approx. 6000 SF
- 5 Construction Cost:
\$120,727.59



Higher Education Case Studies

Project Description

Salem International University – Buildings Evaluation Salem, WV

Alpha Associates, Incorporated was hired by the Palmer Group, of Philadelphia, PA to do evaluations of selected buildings on the campus of Salem International University, located in Salem, WV.

The first phase of the project involved the evaluation of the T. Edwards Davis sports venue, the Hoffheimer Hall women's dormitory and the Montgomery Hall men's dormitory.

The second phase of the project involved the evaluation of the Randolph Campus Center administration building, the Benedum Library building, the Carlson Hall of Science and Randolph Hall, and another dormitory.

The third phase of the project involved the evaluation of three currently vacant dormitories: Birch Hall, Maple Hall and Oak Hall.

Alpha's services included observations of all structural elements, mechanical and electrical systems and components, and evaluations of ADA accessibility standards. Alpha then provided a report with conclusions and recommendations regarding the general structural condition, mechanical and electrical conditions, and cost estimates for repair.

At A Glance..

1	Client: The Palmer Group
2	Location: Salem, WV
3	Completion Date: 2005
4	Size: Multiple Buildings
5	Construction Cost: N/A



Historic Structural Case Studies

Project Description

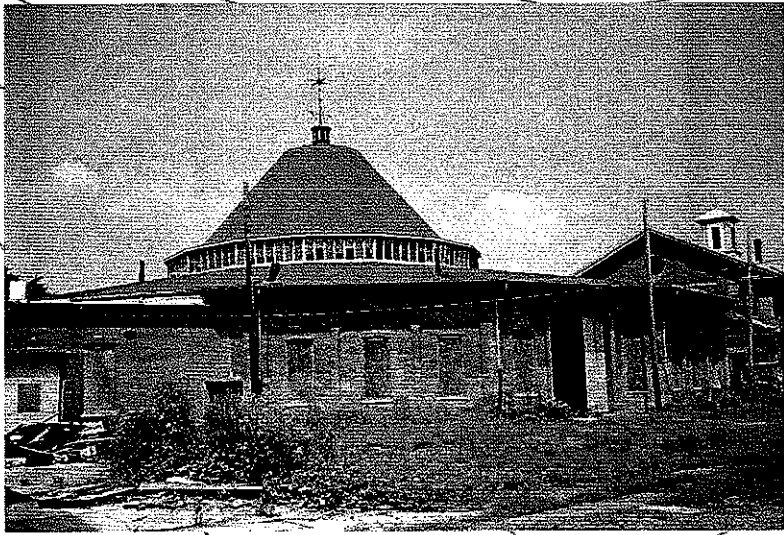
**The Martinsburg West Roundhouse
Martinsburg, WV**

The Martinsburg West Roundhouse construction began in 1866. The structure was modified throughout the years to accommodate the changing needs of the B&O Railroad.

Charlie Luttrell, Alpha Associates, Incorporated Senior Structural Engineer performed an evaluation to determine the structural stability and issues of the Martinsburg West Roundhouse as related to an ongoing restoration project. Mr. Luttrell completed a report with his findings and recommendations for the building.

At A Glance...

- 1 Client: Berkeley County Roundhouse Authority
- 2 Location: Martinsburg, WV
- 3 Completion Date: 2003
- 4 Size: 25,000 square feet
- 5 Construction Cost: N/A



Recreation Case Studies

Project Description

North Fork Hughes River Recreational Design Ritchie County, WV

Alpha Associates, Incorporated provided Architectural, Engineering and Landscape Design for the implementation of a \$12 Million Master Plan for the USDA. Projects include:

- Restrooms and Bath Houses
- Amphitheater
- Trails
- Parking Areas
- Check In Building
- Water Transmission and Distribution
- Navigational Aids
- Camping Areas (Deluxe and Primitive)
- Picnic Areas
- Sport Fields
- Roadways
- Maintenance Building
- Sewage Collection and Treatment

At A Glance...



Client:
United States Department of Agriculture



Location:
Ritchie County, WV



Completion Date:
Design Complete
Construction TBD



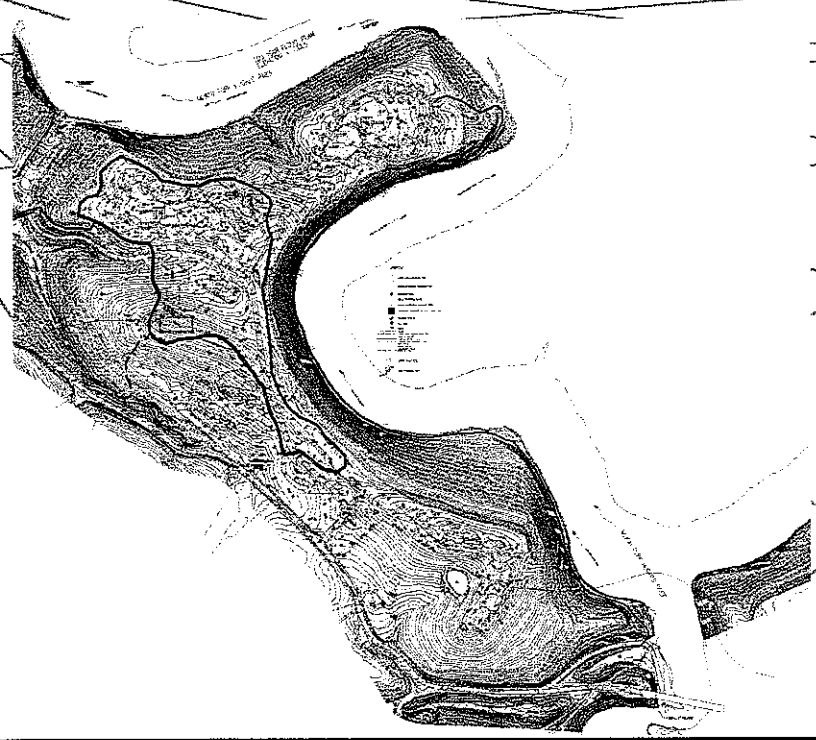
Size:
Multiple Projects



Construction Cost:
Estimated \$12 million



- Project Relevance:*
- Collaboration with Federal entities
 - Recreational Trails
 - Horseback Riding Trails
 - Recreational Facilities
 - Administrative Areas
 - Track and Field Areas



Recreation Case Studies

Project Description

North Fork Hughes River Recreational Design Ritchie County, WV



At A Glance...

1 **Client:**
United States Department
of Agriculture

2 **Location:**
Ritchie County, WV

3 **Completion Date:**
Design Complete
Construction TBD

4 **Size:**
Multiple Projects

5 **Construction Cost:**
Estimated \$12 million

6 **Project Relevance:**

- Collaboration with Federal entities
- Recreational Trails
- Horseback Riding Trails
- Recreational Facilities
- Administrative Areas
- Track and Field Areas



Recreational Case Studies

Project Description

Berkeley County War Memorial Park Concession Stand Martinsburg, WV

Alpha Associates, Incorporated was pleased to design a concession stand and outdoor dining area for War Memorial Park in Martinsburg, West Virginia. Alpha's architectural staff chose to design the concession stand and roof structure to blend in with surrounding structures and the natural beauty of the area.

The roof structure, designed using glu-laminated wood beams, maximizes the seasonal usage of the concession stand by allowing guests to dine in a covered pavilion.

At a Glance...



Client:
Berkeley County Parks and Recreation



Location:
Martinsburg, WV



Completion Date:
2005

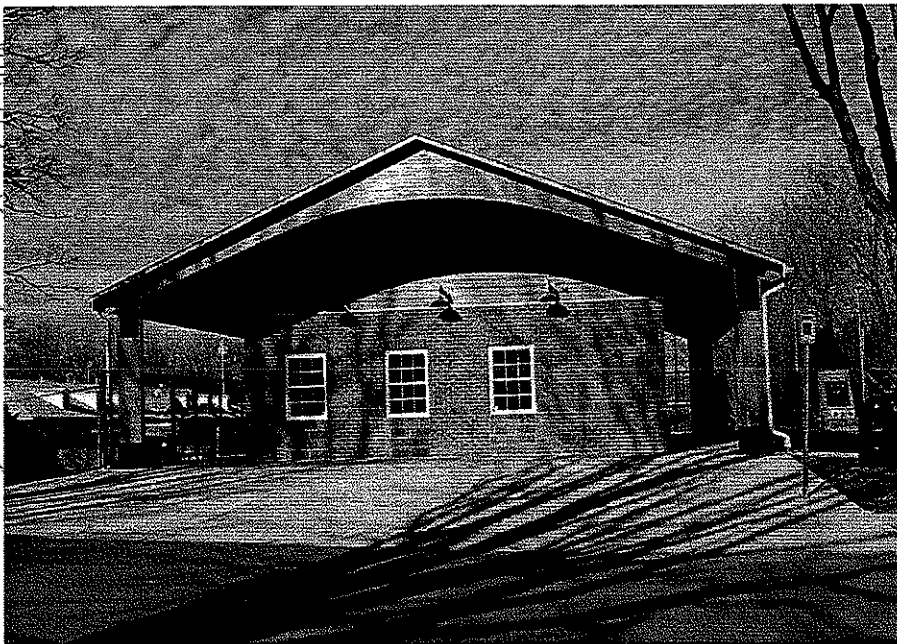


Size:
400 sf



Project Relevance:

- Concession Stand
- Outdoor Dining



Recreation Case Studies

Project Description

**Mylan Park Recreational Complex Master Plan
Monongalia County Schools Foundation
Morgantown, WV**

Alpha Associates, Incorporated initially prepared a Master Plan for the development of Mylan Park Recreation Complex. The Master Plan took into consideration existing facilities, including Miracle Field and additional sports playing fields. Alpha prepared several iterations of the Master Plan, along with colored renderings. The Master Plan continues to adapt, based on funding for the project.

Subsequent to Alpha's Master Plan Development for the site, the Monongalia County Schools Foundation retained Alpha to do Schematic Building Design and Cost Estimates for a 168,000-square foot Recreational Facility in Morgantown.

Facilities to be included are:

- Exposition, meeting halls and dining facilities
- Soccer Fields
- Indoor Playing Surfaces
- Running track
- Indoor Olympic-size swimming pool
- Indoor Ice Rink
- Support Spaces

At A Glance...



Client:
Monongalia County
Schools Foundation



Location:
Morgantown, WV



Completion Date:
Multiple Projects



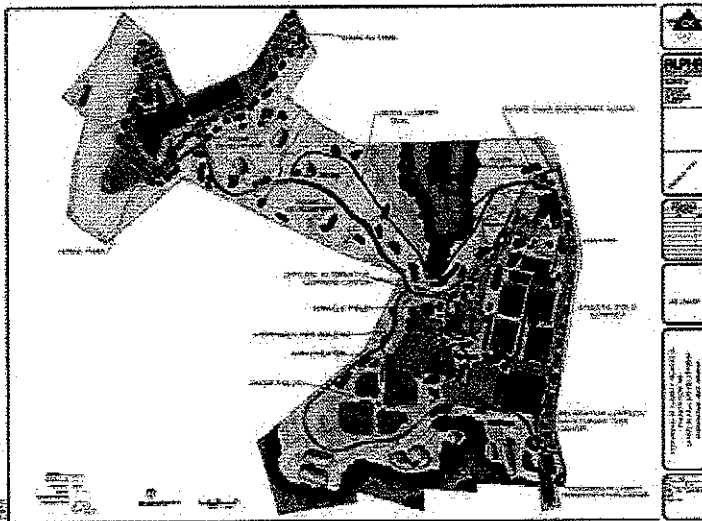
Size:
Multiple Projects



Construction Cost:
To Be Determined



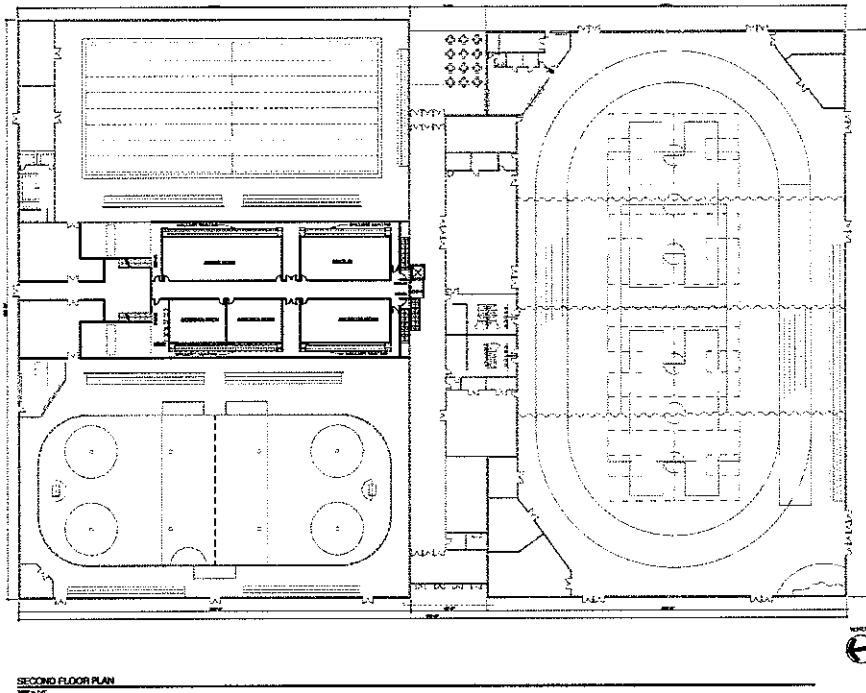
- Project Relevance:*
- Architectural Design
 - Recreational Facility
 - Gymnasium
 - Swimming Pool
 - Wellness Areas
 - Locker Area
 - Various Support Areas



Recreation Case Studies

Project Description

**Mylan Park Recreational Complex
Monongalia County Schools Foundation
Morgantown, WV**



SECOND FLOOR PLAN

At A Glance...

Client:
Monongalia County
Schools Foundation

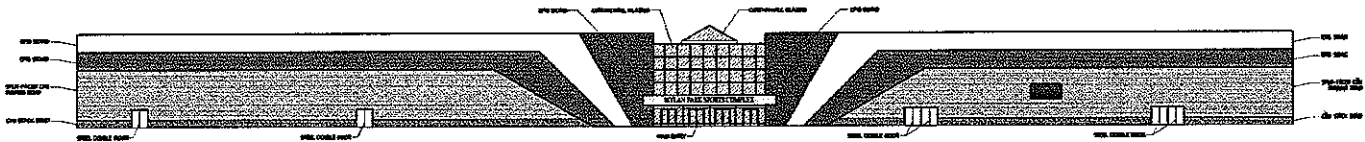
Location:
Morgantown, WV

Completion Date:
To Be Determined

Size:
Multiple Projects

Construction Cost:
To Be Determined

- Project Relevance:**
- Architectural Design
 - Recreational Facility
 - Gymnasium
 - Swimming Pool
 - Wellness Areas
 - Locker Area
 - Various Support Areas



WEST ELEVATION





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

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
- 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
- Prichard Hall Renovation, Fairmont State University; Fairmont, 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



ARCHITECTS • ENGINEERS • SURVEYORS

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

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



ARCHITECTS • ENGINEERS • SURVEYORS



**REBECCA J. KEY, AIA,
NCIDQ, LEED - AP**
ASSOCIATE
rkey@alphaaec.com

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.

PROFILE

Broad-based responsibilities in the following areas:

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

PROFESSIONAL HIGHLIGHTS

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
- WVU Hatfields Restaurant; Morgantown, WV

Financial Institutions:

- Clear Mountain Bank; Glenmark Centre; Morgantown, WV
- Clear Mountain 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 Hospital Emergency Room Expansion; Morgantown, WV



REBECCA J. KEY, AIA,
NCIDQ, LEED - AP
ASSOCIATE
rkey@alphaaec.com

Historic Renovation:

- Cass Scenic Railroad Clubhouse Renovation; Cass, WV
- Berkeley Springs Bath House Renovation; Berkeley Springs, 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

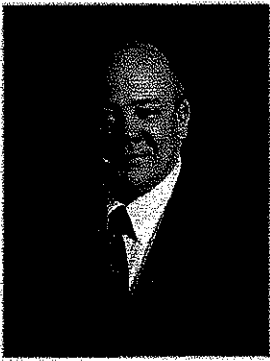
QUALIFICATIONS

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
CIVIC:	Fairmont, WV ICC Board of Appeal; Board Member





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

SUMMARY

Mr. Luttrell has worked with Alpha Associates, Inc. since 1996. He is the chief structural engineer on all projects at Alpha. Before coming to Alpha, Mr. Luttrell's graduate work resulted in several contributions to the cold-formed steel deck industry. His new method of analysis for non-uniform loads on composite concrete and cold-formed steel decks has been made a permanent part of the *Steel Deck Institute's* design manual. Mr. Luttrell also worked on projects that involved pre-stressed timber bridge research with the 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:

- WVU Engineering Sciences Building East Wing Addition; Structural Design; Morgantown, WV
- WVU Alumni Center Structural Framing and Foundation Design; Morgantown, WV
- Hazel Ruby McGowan Amphitheater Roof; Morgantown, WV
- West Buckeye Bridge; Core, WV
- Washington 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



CHARLES B. LUTTRELL, PE
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

RESEARCH EXPERIENCE

STRUCTURAL: Cold Formed Steel Deck Research

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

Composite Cold Formed Steel and Concrete Deck Research

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





Noah Accord, PE
STAFF ENGINEER
naccord@alphaaec.com

SUMMARY

Mr. Accord is a staff structural engineer in the Morgantown office. He obtained his Masters Degree in Structural Engineering from the University of Pittsburgh, where he graduated Summa Cum Laude. He has experience in performing structural design and civil engineering. His primary focus is the structural design of all elements of commercial, industrial, educational, and institutional buildings. Prior to his employment at Alpha Associates, Incorporated, he gained valuable experience working for Nicholson Construction.

PROFILE

Broad-based responsibilities in the following areas:

- Industrial Structural Inspections
- Building Design
- Bridge Design
- Site Engineering
- Foundation Design
- Retaining Wall Design
- Structural Steel, Concrete, Masonry Design

PROFESSIONAL HIGHLIGHTS

Engineering Projects:

- WVU Alumni Center; Morgantown, WV
- Washington High School; Charles Town, WV
- Chemtura Structural Steel Design; Morgantown, WV
- Fairmont Federal Credit Union; Bridgeport, WV
- Cass Scenic Railroad Clubhouse Renovation; Cass, WV
- WVU Engineering Sciences Building East Wing Addition; Morgantown, WV
- The Augusta Apartments; Morgantown, WV
- Jefferson Emergency Services Building; Ranson, WV
- Ices Ferry Bridge; Morgantown, WV
- Potomac State College Library Renovation; Keyser, WV
- Potomac State College Church-McKee Renovation; Keyser, WV
- Salem University Fitness Pool; Salem, WV
- Alderson Broaddus College Rex Pyle's Entry Deck; Philippi, WV
- WVU Lot 81 Retaining Wall Design; Morgantown, WV



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EMPLOYMENT HISTORY

PRIVATE INDUSTRY:	2005 – Present	Alpha Associates, Incorporated
	2003 – 2004	Nicholson Construction
	2002 – 2003	Covey Engineering
	1999 – 2001	AB Construction

EDUCATION

GRADUATE:	University of Pittsburgh Masters of Structural Engineering; 2005
UNDERGRADUATE:	University of Pittsburgh BS – Civil Engineering; 2004

QUALIFICATIONS

LICENSE:	Professional Engineer West Virginia
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CHARLES B. BRANCH, PE
PRINCIPAL
CIVIL ENGINEER
cbranch@alphaaec.com

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

Educational Projects:

- WVU Parking Lot 81 Renovations; Morgantown, WV
- WVU Doll's Run Burn Room; Morgantown, WV
- WVU Alumni Center Parking Lot; Morgantown, WV
- WVU Evansdale Redevelopment; Morgantown, WV
- WVU Health Sciences Center Eastern Division; Martinsburg, WV

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



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

Commercial Site Plans:

- West Virginia High Technology Consortium; Fairmont, WV
- Residence Inn; Morgantown, WV
- FFCU – Charles Pointe; Bridgeport, WV

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

AFFILIATIONS

CIVIC: Marion County Youth Soccer Association - Coach





THOMAS PRITTS, AIA, LEED-AP

ARCHITECT

tpritts@alphaaec.com

SUMMARY

Mr. Pritts joined the Alpha Associates staff in the Morgantown office in 2004. In 2008 he received his LEED Accredited Professional Certification from the USGBC and Construction Document Technologist designation from the Construction Specification Institute. Mr. Pritts has become a valuable asset to Alpha Associates with broad experience in K-12 and higher educational design, commercial design and programmatic development.

PROFILE

Broad-based responsibilities in the following areas:

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

PROFESSIONAL HIGHLIGHTS

Architectural Design:

- Potomac State College, ADA Connector Link; Keyser, WV
- Potomac State College, Library Façade Replacement; Keyser, WV
- Potomac State College, McKee Arts Center Plaza; 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
- WVU Engineering Sciences Building, Basement Renovations; Morgantown, WV
- WV Army National Guard, Parkersburg Office Renovation; Parkersburg, WV
- Clear Mountain Bank; Reedsville, WV
- Berkeley County Emergency Ambulance Authority; Martinsburg, WV
- Eastern Panhandle Transit Authority Renovation and Addition; Martinsburg, WV
- Eastern Management Development Center; Shepherdstown, WV
- Yellow Brick Bank; Shepherdstown, WV
- The Clarion Hotel; Shepherdstown, WV



ARCHITECTS • ENGINEERS • SURVEYORS

THOMAS PRITTS, AIA, LEED-AP

ARCHITECT

tpritts@alphaaec.com

EMPLOYMENT HISTORY

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

EDUCATION

UNDERGRADUATE: Virginia Tech
Bachelor of Architecture; 2004

QUALIFICATIONS

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

AFFILIATIONS

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



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MILLER ENGINEERING, INC.

SUMMARY

Miller Engineering, Inc. (MEI) provides professional services to facility owners and operators, architects, and contractors throughout West Virginia, Pennsylvania and Western Maryland. MEI services range through all facets of mechanical, electrical, and plumbing design as well as construction administration and project management. We utilize the abilities of designers with many years experience in their area of expertise, teamed with younger designers on a "best resource for the project approach". We also provide project management services at levels ranging from general oversight to complete project delivery through all phases of design and construction. Our personnel have worked in both the private and public sector and are familiar with many methods of project delivery from classic design/bid/build to full design/build with partnering.

MEI has developed the following philosophy to guide the performance of its services:

- Provide superlative design services to our clients in new construction, renovations, and daily operations.
- Perform work in a timely, accurate, and professional manner.
- Present multiple alternative and solutions whenever possible.
- Work with our clients to control first and life cycle costs.
- Be a technical "sounding board" for our clients in all situations.
- Strive to maintain professional competency through continuing education and training.

MEI utilizes a "practical application" approach to all projects throughout the design process to provide a "well rounded" result. This methodology emphasizes the best overall solution, meeting all the client's needs, instead of just the best technical solution. We believe our small size provides a distinct advantage to our clients and affords us the freedom to easily team with the clients to achieve the overall best possible result.

PROJECT: BERKELEY SPRINGS BATHHOUSE

OWNER: WEST VIRGINIA DNR, BATH, WV



MEP TECHNICAL HIGHLIGHTS:

Total Project Budget:
\$2.1M

MEP Budget:
\$860K

Facility Area:
9,000 ft²

Services Provided:
*Mechanical,
Electrical, Plumbing*

Project Status:
In Construction

Project Completion Date:
October 2010

The Bathhouse Renovation includes replacement of all MEP systems within the facility. The existing steam boiler is being replaced as are steam fired hot water tanks and all associated piping. The hot water demand is huge and is split into two systems, domestic (2,000 GPH) and Roman Bath water (3,000 GPH). The cast iron radiator heating system is being replaced by a full VAV HVAC system w/ terminal reheat, and comfort radiant heating over the clients tubs and massage tables. These systems will provide proper ventilation and dehumidification, which has never existed in the facility.

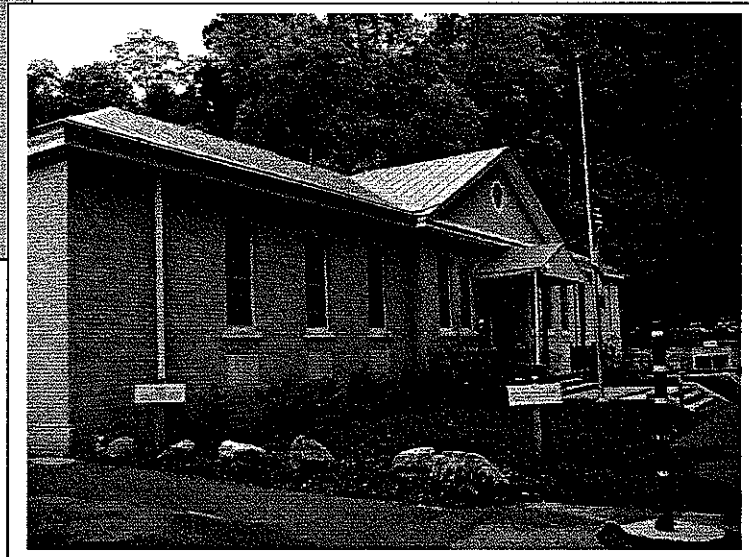


Photo Courtesy of ALPHA Associates

PROJECT DESCRIPTION:

The Berkeley Springs Bathhouse, built in 1929, is a historic structure located in the Berkeley Spring State Park in the Town of Bath, West Virginia. The approximately 1000 gallon per minute flow of 78.4 degree mineral laden water is used by the spa located in the bathhouse. The water is heated and clients soak in either tubs or large Roman baths prior to other spa activities. The Project is a renovation of the facility with a total MEP replacement. The goal of the MEP system design is reliable, cost effective, and energy efficient systems that enhance the client experience and protect the historic facility.

REFERENCE:

Brad Leslie PE, Assistant Chief
WV DNR, Parks and Recreation Section
324 Fourth Ave, Room 203
South Charleston, WV 25303
304-558-2764

PROJECT: CASS COUNTRY STORE HEATING
LOCATION: CASS, WV



MEP TECHNICAL HIGHLIGHTS:

Total Project Budget:
\$375 (est)

MEP Budget:
\$375K (est)

Facility Area:
Approx 32,000 ft²

Services Provided:
Mechanical

Project Status:
Bidding

Project Completion Date:
June 2012

The 1902 building originally served the region as a furniture store and was made part of the Cass Scenic Railroad in the 1960's. The Owner's complaints included uneven heating, repeated steam leaks and boiler safety concerns. Phase one of the project consists of a heating system evaluation, detailed recommendations, and preparation of preliminary budget cost to implement the repair/ replacement of the heating system. Phase two is the follow on implementation of the report recommendations. The existing coal fired boiler is being replaced with high efficiency, propane fired boilers and the steam radiators are being replaced with HW fan coils giving the facility some zone level control.



PROJECT DESCRIPTION:

Located in the charming, historic town of Cass, WV, the Cass Country Store complements the Cass Scenic Railroad State Park which transports passengers back in time for an unforgettable adventure. The first phase of the project was to evaluate the existing steam heating system and its components. The existing steam system was a rather unique single pipe system. The building originally boasted a steam powered elevator. MEI performed a detailed survey of the system and determined that a full replacement was required.

REFERENCE:

Don Smith PE, WV Department of Natural Resources
1200 Harrison Ave., Suite 222
Elkins, WV 26241
304-637-0300

**PROJECT: BLACKWATER FALLS STATE PARK
LODGE DINING ROOM AC
LOCATION: DAVIS, WV**



MEP TECHNICAL HIGHLIGHTS:

Total Project Budget:
\$165K (est)

MEP Budget:
\$165K (est)

Facility Area:
Approx 3,000 ft²

Services Provided:
Mechanical

Project Status:
Bidding

Project Completion Date:
May 2009

Miller designed a replacement air system which includes air conditioning. This was achieved by installing an air handling unit on the exterior and ducting it into the facility. To prevent the new equipment from becoming an eyesore and interfering with the views from the lodge, some of it is mounted remotely in a loading dock area. The equipment which could not be remotely located is installed behind a masonry wall which incorporates the same stone as the lodge. A new chiller was incorporated into the design to give better humidity control.



PROJECT DESCRIPTION:

The Lodge Dining Room was originally constructed with a heating only air system. As the facility has increased in popularity and the dining room begins to fill with visitors, the temperature and humidity levels became uncomfortable and air conditioning was needed. The Park Lodge is located proximate to the Blackwater Falls, a natural wonder. MEI performed a detailed survey of the system and made recommendations to the Owner.

REFERENCE:

Brad Leslie PE, WV Department of Natural Resources
State Capital Complex Building #3
Charleston, WV
304-558-2775

PROJECT: NEW SPORTS PERFORMANCE CENTER
OWNER: PRO PERFORMANCE, Morgantown, WV



MEP TECHNICAL HIGHLIGHTS:

Total Project Budget:

\$8M

MEP Budget:

\$800K

Facility Area:

28,800 ft²

Services Provided:

**Facility and Site:
Mechanical, Electrical,
Plumbing, Specialized
HVAC**

Project Status:

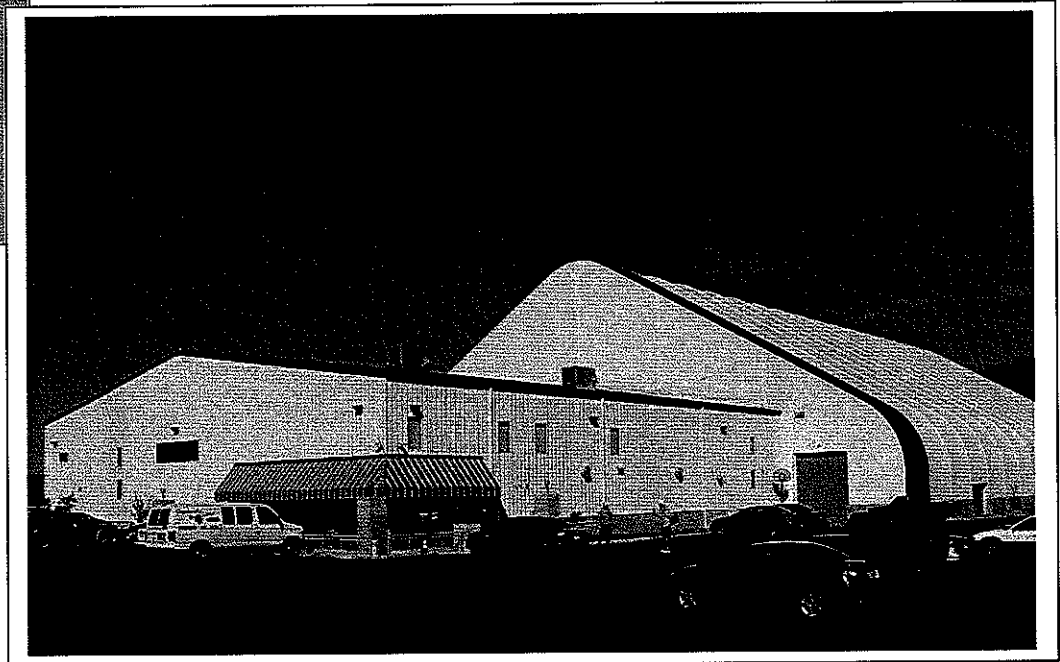
Complete

Project Completion

Date:

October 2006

The project was a design-build teamed effort with the Owner, Contractor, and MEI. The HVAC systems include heating and cooling except for the soccer field which is heated using an air rotation unit. The facility houses an indoor water therapy area which had unique requirements for air systems and a 48 deg F cold immersion tub. A chiller was used to accommodate the cold tub and process the rejected heat from dehumidification. The electrical system incorporates the current needs along with future owner requirements by use of a de-centralized electric distribution system. The lighting control for the soccer field required a high level of control to adjust the artificial lighting to the daytime natural light available.



Rendering Courtesy of ALPHA

PROJECT DESCRIPTION:

The 28,800 ft² facility incorporates a medical office facility with a gymnasium, sports performance area, and an indoor regulation soccer field. It is reportedly the most state of the art facility in terms of equipment, facilities and staff within a six state region.

REFERENCE:

**Ron Lytle, Lytle Construction
1132 Hampton Rd
Morgantown, West Virginia 26505
304-692-6380**



B. CRAIG MILLER, PE, LEED-AP
PRESIDENT
ENGINEER IN RESPONSIBLE CHARGE

EDUCATION Bachelor of Science in Mechanical Engineering,
West Virginia University - 1995
Bachelor of Arts in Mass Communication,
University of Charleston (WV) - 1988

REGISTRATIONS Professional Engineer, West Virginia
Professional Engineer, Pennsylvania
Professional Engineer, Maryland

QUALIFICATIONS Craig has more than 10 years' experience in the design, specification, and construction/ project management of mechanical, electrical, and plumbing systems and 10 years experience in facilities operations, maintenance, and management. He specializes in retrofits and upgrades to existing systems and what he terms "operational engineering" or implementing changes to, while maintaining the operational requirements of, a facility or system. He has worked extensively in the educational/ institutional environment including spending several years as a systems mechanic performing various trades work prior to obtaining his engineering education. His trades work gives him a distinctive "hands on" approach to engineering application and design.

Prior to founding MEI, Craig worked as a staff engineer for Casto Technical Service (Trane) performing engineering evaluation and design on various mechanical system upgrades including: Marion County Courthouse, Davis & Elkins Student Union, Charleston Area Medical Center, Women's and Children's Hospital, and Wetzel County Hospital. Preceding his time with Casto Technical, Craig spent two years at Uniontown Hospital as Assistant Director of Engineering. He managed the day-to-day operations of maintenance personnel, managed projects and performed operational engineering service to the facility mechanical, electrical, and plumbing systems. His principal operational engineering foci were the hospitals' steam, chilled water, air handling infrastructure and their associated control systems. He managed real-time upgrade projects to the hospital facilities and the full



accreditation review of hospital systems operation and maintenance.

Craig worked as a staff engineer at West Virginia University Physical Plant for six years. During that time he managed multiple facility and infrastructure upgrade projects, performed engineering design, assisted maintenance personnel with operational issues, and managed the University's Energy Program. Additionally, he served as the Owner's design review engineer on approximately \$130 million in new capital construction. Craig's WVU projects included mechanical, electrical, plumbing, infrastructure, control, and energy systems repair and maintenance totaling approximately \$20 million.

Prior to his position at WVU, Craig worked in operations and facility maintenance for the Morgantown Board of Parks and Recreation while attending the WVU School of Engineering. He performed mechanical and electrical systems maintenance duties and associated engineering design work while helping to maintain and upgrade the park systems' facilities. Craig started his mechanical systems career as an apprentice and then as a maintenance systems mechanic in the Physical Plant at the University of Charleston.



Robert L Angus

**Project Construction Representative
Miller Engineering, Inc.**

EDUCATION

**West Virginia University 1991-1996
Recreation & Parks Administration**

**Mon County Technical Education Center 1997-1998
Commercial/Residential HVAC Technology**

CERTIFICATIONS

**Licensed WV Contractor
Licensed Electrician
Licensed Master Plumber
Licensed HVAC Technician
Licensed Swimming Pool Operator**

QUALIFICATIONS

Robert has more than 10 years experience in commercial facilities operation/management. Prior to working for MEI, Rob worked for the city of Morgantown, where he operated/maintained 2 commercial swimming pools, 2 waterslides, an Interactive Water Play Facility, and an Ice Rink.

Following Employment with the City of Morgantown, Rob founded Angus Contracting LLC in 2000. His company specialized in residential/commercial construction, HVAC, Electric, and Plumbing. Angus Contracting has completed projects including 10000 sq ft industrial buildings, Commercial Swimming Pool Repair/Retrofits, Commercial HVAC Retrofits involving multiple roof-top units, and all facets of residential construction.

During his employment with Miller Engineering Inc, Rob has performed construction administration on various projects involving all aspects of Mechanical Engineering/Construction totaling in excess of 15 million dollars.

Project References

PROJECT REFERENCES

Alpha Associates, Incorporated

WVU Research Corporation
Mr. Russell Lorince
P.O. Box 6216
Morgantown, WV 26506
Phone: 304-293-4806

City of Morgantown
Mr. Glen Kelly
100 Hart Field Road
Morgantown, WV 26505
Phone: 304-291-7461

West Virginia University
Mr. John Sommers
979 Rawley Lane
Morgantown, WV 26506
Phone: 304-293-2856

~~Clear Mountain Bank
Mr. Brian Thomas
P.O. Box 205
Bruceeton Mills, WV 26524
Phone: 304-379-2265~~

~~City of Fairmont
Mr. Jay Rogers, City Planner
200 Jackson Street
Fairmont, WV 26554-1428
Phone: 304-366-6211~~

~~Mylan Park
Mark Nesselroad
500 Mylan Park Lane
Morgantown, WV 26501
Phone: 304-983-2383~~

"Time and again an immediate answer or solution was needed to keep the project on an unforgiving critical path. Alpha personnel were there on the spot. They have a contagious "can-do" spirit."

*Monty Warner
Augusta Apartments, LLC*

"Alpha Associates is one of the best architectural, engineering, and surveying firms we have dealt with. I commend them for their design excellence and professionalism."

*Frank Blackwell
Superintendent Wyoming County Schools*

Every aspect and detail of your planning, coordination, and completed projects have been exceptional and outstanding in every regard.

*Bob Hammel
Former Director
Morgantown Municipal Airport*

