



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

State of West Virginia  
Centralized Expression of Interest  
02 — Architect/Engr

Proc Folder: 481314

Doc Description: Rappe Tower Support Facilities (Design) Camp Dawson

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2018-08-07	2018-08-28 13:30:00	CEOI 0603 ADJ1900000001	1

**BID RECEIVING LOCATION**

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION

2019 WASHINGTON ST E

CHARLESTON

WV 25305

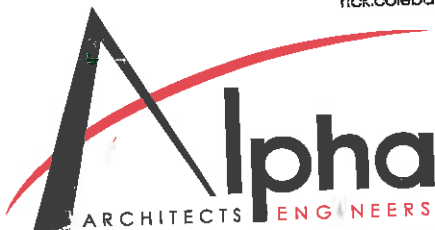
US

**VENDOR**

Vendor Name, Address and Telephone Number:

Alpha Associates, Inc  
209 Prairie Ave.  
Morgantown, WV 26501  
304-296-8216

Richard A. Colebank, PE, PS  
President and COO  
rick.colebank@thinkAlphafirst.com



209 Prairie Avenue / Morgantown, WV 26501  
304.296.8216 ext. 102 / 304.216.8324 mobile / 304.296.8216 fax

RECEIVED  
2018 AUG 27 AM 10:06  
WV PURCHASING  
DIVISION

**FOR INFORMATION CONTACT THE BUYER**

Stephanie L Gale  
(304) 550-3801  
stephanie.l.gale@wv.gov

Signature X

FEIN # 550516286

DATE 8/24/18

All offers subject to all terms and conditions contained in this solicitation

**West Virginia Ethics Commission**  
**Disclosure of Interested Parties to Contracts**

(Required by W. Va. Code § 6D-1-2)

**Contracting Business Entity:** Alpha Associates, Inc **Address:** 209 Prairie Ave, Morgantown, WV 26501

**Authorized Agent:** Charles Branch **Address:** \_\_\_\_\_

**Contract Number:** CEOI 0603 ADJ1900000001 **Contract Description:** Rappel Tower Support Facilities Camp Dawson

**Governmental agency awarding contract:** West Virginia Purchasing Division

☐ **Check here if this is a Supplemental Disclosure**

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):

1. **Subcontractors or other entities performing work or service under the Contract**

☐ Check here if none, otherwise list entity/individual names below.

Mike Chancey- Allegheny Design

2. **Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)**

☐ Check here if none, otherwise list entity/individual names below.

Richard A. Colebank  
Richard W. Klein

3. **Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)**

☒ Check here if none, otherwise list entity/individual names below.

Signature: 

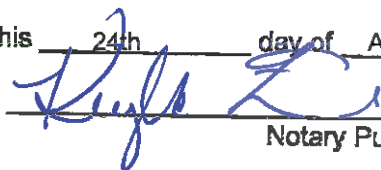
Date Signed: 8/24/18

**Notary Verification**

State of West Virginia, County of Upshur

I, KAYLA FACEMIRE, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 24th day of August, 2018.



Notary Public's Signature

**To be completed by State Agency:**

Date Received by State Agency: \_\_\_\_\_

Date submitted to Ethics Commission: \_\_\_\_\_

Governmental agency submitting Disclosure: \_\_\_\_\_



OFFICIAL SEAL  
STATE OF WEST VIRGINIA  
NOTARY PUBLIC  
Kayla D Facemire  
PO Box 1083  
Buckhannon, WV 26201  
My Commission Expires Sep. 19, 2023  
Revised October 7, 2017

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

**CONSTRUCTION CONTRACTS:** Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

**ALL CONTRACTS:** Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

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

**DEFINITIONS:**

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

**"Employer default"** means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

**"Related party"** means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

**AFFIRMATION:** By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: Alpha Associates, Inc

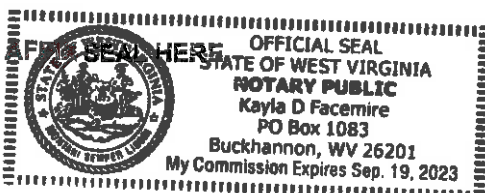
Authorized Signature:  Date: 8/24/18

State of West Virginia

County of Upshur, to-wit:

Taken, subscribed, and sworn to before me this 24 day of August, 2018.

My Commission expires September 19, 2023.



NOTARY PUBLIC




Purchasing Affidavit (Revised 01/19/2018)

**DESIGNATED CONTACT:** Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Charles Branch, Principal  
(Name, Title)  
CHARLES BRANCA, PRINCIPAL  
(Printed Name and Title)  
209 Prairie Ave, Morgantown, WV 26501  
(Address)  
304-296-8216/ 304-296-8245  
(Phone Number) / (Fax Number)  
chuck.branch@thinkalphafirst.com  
(email address)

**CERTIFICATION AND SIGNATURE:** By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Alpha Associates, Inc  
(Company)  
  
(Authorized Signature) (Representative Name, Title)  
CHARLES BRANCA, PRINCIPAL  
(Printed Name and Title of Authorized Representative)

8/24/18  
(Date)

304-296-8216/ 304-296-8245  
(Phone Number) (Fax Number)





**Allegheny**  
**Design Services**  
*Consulting Engineers*

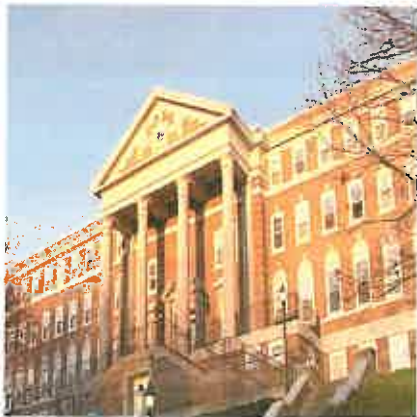
**WV Army National Guard**  
**Rappel Tower Support Facilities**  
**Camp Dawson**

August 28, 2018

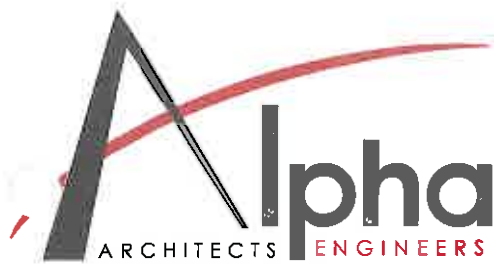
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CEOI 0603 ADJ1900000001

**EXPRESSION OF INTEREST**



think **Alpha** first.com



August 28, 2018

Department of Administration  
Purchasing Division  
2019 Washington St. E.  
Charleston, WV 25305

Attn: Stephanie L. Gale

**RE: CEOI 0603 ADJ1900000001**  
**Rappel Tower Support Facilities (Design) Camp Dawson**

Dear Ms. Gale,

Alpha Associates, Incorporated team is pleased to submit our qualifications to provide architectural and engineering services for the renovations of Camp Dawson' Rappel Tower Support Facilities located in Kingwood, West Virginia. Alpha's past experience with similar projects, along with our intimate knowledge of Camp Dawson make us a perfect teaming partner for you on your completion project.

Since 1969, Alpha has partnered with numerous Federal, State, and local governments to provide architectural and engineering services for projects around West Virginia, including several projects at Camp Dawson. In addition to our experience with Camp Dawson, Alpha has completed new and renovation projects of varying types and sizes, including more than 800,000 square feet of renovations at the WVU Health Sciences Center. This work ranged from small renovations of less than 200 square feet to large and very complicated renovations. These larger projects required not only architectural design but significant structural and mechanical and electrical modifications. Alpha has teamed with Allegheny Design Services for Mechanical, Electrical and Plumbing Design on this project.

#### **Design Team**

Alpha is a West Virginia owned and operated architectural and engineering design firm with locations in Morgantown, and Martinsburg. Our 22-person professional staff includes architects, civil and structural engineers, surveyors, cost estimators, construction representatives, landscape designers, interior designers, and technicians. The personnel that will be dedicated to your project

are highly qualified professionals and support staff with the technical expertise to meet and exceed expectations of this project. This project will be managed from Alpha's Corporate Office located in Morgantown, West Virginia. Alpha's Office in Morgantown is approximately 45 minutes from the site. This allows us to offer the WV National Guard and Camp Dawson a cohesive design team for a seamlessly completed project.

### **Project Understanding**

The West Virginia Army National Guard is looking to partner with a firm to provide interior and exterior renovations services for the Rappel Tower Support Facilities. These renovations include: removal and replacement of mildew and molded wall board and materials located in the classroom area, the address of roof issues, design of storm drainage, new HVAC system as well as the design of a hot water system, restroom renovations and interior and exterior LED lighting for both buildings. The repair of water penetrations and door operations will also be included.

### **Summary**

The Alpha Team is looking forward to building successful relationship with the WV Army National Guard and the State of West Virginia by providing excellent service at a reasonable cost. Our dedicated team of professionals will make your project a priority. If you would like to further discuss this upcoming project, please contact me at (304) 296-8216 ext. 102.

Sincerely,

**ALPHA ASSOCIATES, INCORPORATED**



Richard A. Colebank, PE, PS  
President and COO

[rick.colebank@thinkalphafirst.com](mailto:rick.colebank@thinkalphafirst.com)





## FIRM PROFILE

### Firm Profile

#### FIRM NAME

Alpha Associates, Incorporated

#### OFFICE LOCATIONS

209 Prairie Avenue  
Morgantown, West Virginia 26501

535 West King Street  
Martinsburg, West Virginia 25401

#### INCORPORATED

1969; Morgantown, WV

#### FIRM PRINCIPALS

Richard A. Colebank, PE, PS; President and COO  
Richard W. Klein, PE, PS; Chairman and CEO  
Charles B. Luttrell, PE; Principal  
Charles B. Branch, PE; Principal

#### NUMBER OF EMPLOYEES

22 Employees

#### SERVICES

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



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





**Allegheny**  
**Design Services**

102 Leeway Street, Morgantown, WV 26505  
Phone: 304.599.0771



ENGINEERING FOR  
STRUCTURAL SYSTEMS  
MECHANICAL SYSTEMS  
ELECTRICAL SYSTEMS  
FORENSIC INVESTIGATION

## Overview

Allegheny Design Services (ADS) is a consulting engineering firm specializing in structural and MEP building design and building analysis. Dedicated to serving West Virginia and the surrounding region, ADS recognizes the need for reliable and full-service engineering support. ADS provides all phases necessary for the successful completion of a building project including schematic design studies, design development, construction documents and specifications, and construction administration. Allegheny Design Services was chosen as one of "Building Design and Construction" Magazine's Top 300 Engineering Firms 2015.

ADS' experience in Design and Project Management includes:

- Commercial Facilities
- Industrial Facilities
- Institutional Facilities
- Educational Facilities

ADS was established by David Simpson, PE, MBA, in 2002 as a result of a need in North Central West Virginia for reliable structural engineering services. In 2009 MEP engineering services were added, led by Mike Chancey, PE. ADS utilizes a combination of office technology and a motivated staff to deliver projects typically up to \$40 million in construction value. Our clients include architects, contractors, developers, attorneys and insurance companies. ADS currently utilizes the latest engineering design and BIM software for the development of project work.

## Value Added Services

Our company strives to provide efficient, quality engineering services that serve both the needs of the client as well as the needs of the design team. We achieve this level of service by leveraging our extensive project experience with a work-flow built upon the cohesive integration of 3D Revit modeling and the latest analysis software. This integration allows us to produce the highest quality designs in the timeframe needed for successful design-build projects. Our staff is comprised of multiple licensed Professional Engineers.

## Company Recognition/Awards

ADS is proud to have received numerous awards and recognition for our work regionally and across the country, including the following awarded by the West Virginia Chapter of Associated Builders and Contractors, Inc.:

- Nemacolin Woodlands Sundial Lodge Farmington, Pa. (25,000 sf Multi-Purpose Ski Lodge, Restaurant, and Bowling Alley) 2013;
- GSA Building Charleston, WV. (GSA Office /Operations Facility) 2012;
- Jerry Dove Medical Office Building Bridgeport, WV. (Structural Mat Foundation System Steel Framing) 2012;
- Marina Tower Morgantown, WV. (8 Story Office Building) 2010; and
- Mon Power Regional Headquarters Fairmont, WV. (Transmission Control Center, Offices, and Conference Rooms) 2009.



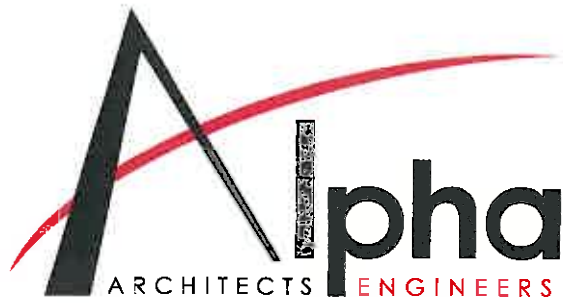
## STATEMENT OF QUALIFICATIONS

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

Since 1969, Alpha has provided architectural and engineering design services on numerous industrial projects. Alpha's philosophy has always been to provide exemplary services for fair fees. We have always believed that the best way to succeed as a business is to go above and beyond the basic requirements of our contracts and do whatever is necessary to successfully complete the given project. What is best for the client is inevitably best for us too.

Everyone at Alpha, from the President to the administrative staff, works towards the goal of completing successful projects. Our principals are involved with projects from the earliest stages right through final completion and beyond. They will provide frequent updates on the project by using effective communication tools to manage the projects and all the involved parties. Our skilled staff of 22 architects, engineers, surveyors and administrative personnel all work diligently towards producing the drawings and specifications that will deliver our clients successful projects, completed on time and within budget.

Alpha has thrived for 49 years because we are a professional organization dedicated to providing superior architectural and engineering design services to our clients. While our staff is large enough to handle any size project, we are also small enough to give each and every one of our projects the individual attention to detail that will make them successful projects for our clients.

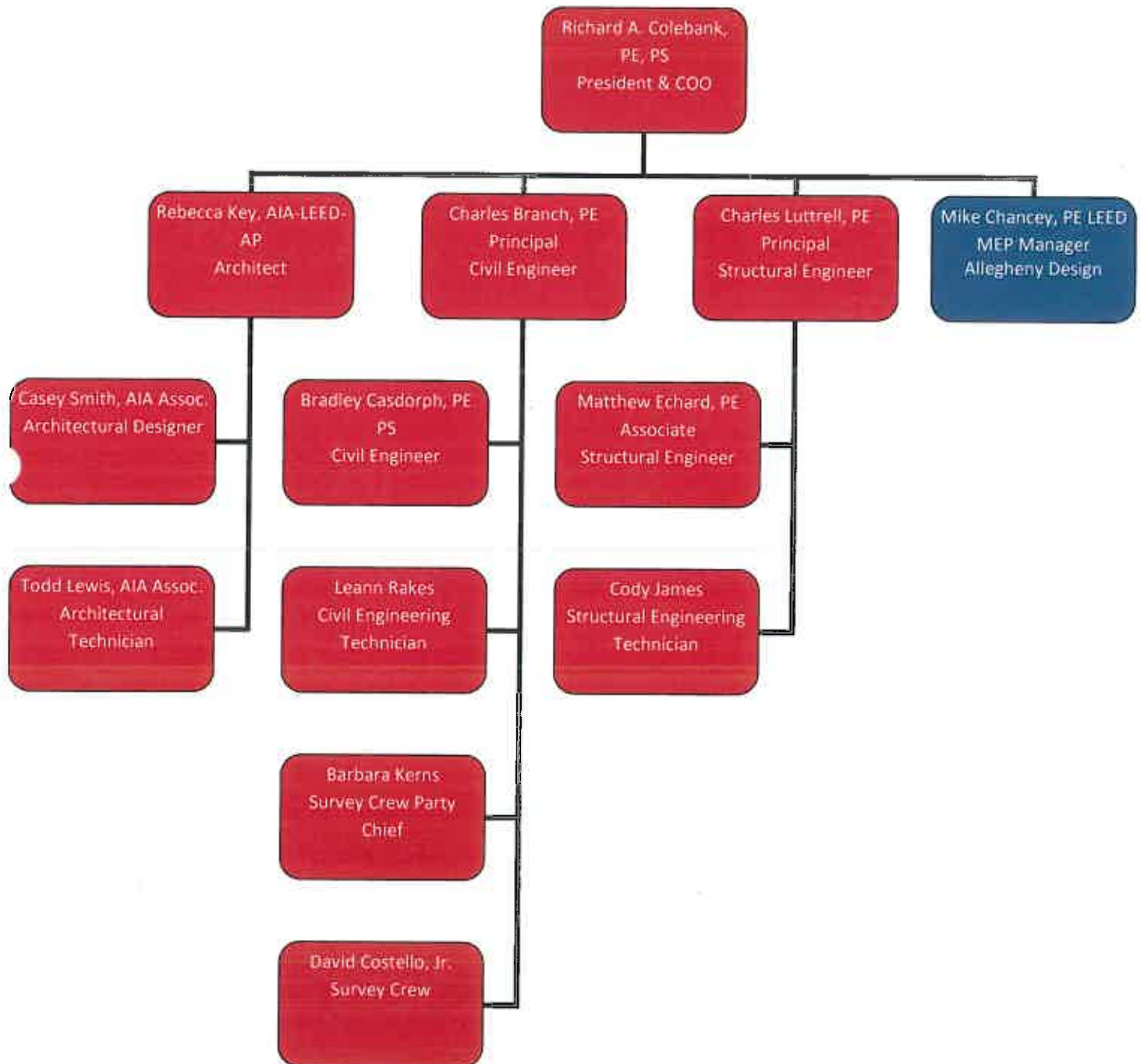


## STAFFING PLAN

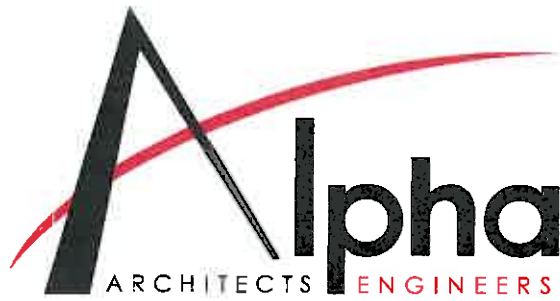
All work to be performed for the West Virginia Army National Guard will be managed out of Alpha's Morgantown office. In addition to your dedicated Project Team, Alpha's staff of 22 includes engineers, architects, architectural designers, interior designers, landscape designers, technicians, and support staff that is available to assist with any potential project need.



## TEAM ORGANIZATION







## COST AND SCHEDULE CONTROL

Alpha Associates, Incorporated has an excellent track record of producing projects on time and within the Owner's budget. Many A/E firms can claim the same successes few actually achieve the results Alpha has over the years. One of the determining factor is the tools the firms utilize to produce the budgets. 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:

- Personnel assigned to the project
- Chosen method of construction
- Changes to project scope
- Unique construction elements for each project

Successful project management depends upon consensus regarding work efforts, milestones and goals. The Alpha 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 regarding the 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. Adherence to the schedule is the responsibility of the Project Manager. The Project Manager must insure the team members, including the owner have bought into the schedule and are maintaining their respective duties.

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.

In a world where "time is money", the schedule of a project is almost as important as controlling the cost. Alpha also works diligently to control the budget of a project. The best way to control the cost of a project is to avoid the "scope creep" that can occur

Alpha also has an excellent record of budget control. Alpha's in house cost estimators, combined with an excellent relationship with contractors throughout the area enable us to develop accurate estimates early in the design process. The Alpha estimators begin at the schematic design phase of the project and develop a line item estimate of probable construction costs that can be carried through each of the project phases. At each phase the project estimate is updated to include a more detailed estimate in order that the accuracy can be enhanced. During these updated estimates, specific increases or decreasing can be identified allowing the owner to make informed decisions moving forward on the important budget issues for the project.

Many projects employ the use of alternatives' to control the budget through obtaining actual contractor pricing during the bid process. This allows flexibility for the owner in determining the costs of portions of the project that may be optional and critical for budget control.



## CAPACITY AND SOFTWARE

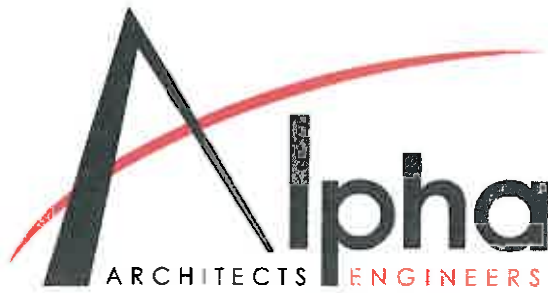
### Capacity

Alpha Associates, Incorporated is prepared to commit staff resources to the Camp Dawson project. Alpha has the qualified and experienced personnel, administrative support, along with the production equipment and resources to ensure the successful completion of this project. We are confident in our ability to provide the West Virginia Army National Guard with a committed and dependable design team. Our multidisciplinary design team is prepared to meet and exceed the expectations of the State by committing any resources necessary to meet the project schedule.

### Software

The project team incorporates the latest computer and software capabilities required to complete the working drawings and specifications for this project. Our cost accounting system is top-of-the-line and we have the ability to differentiate fees according to task. We have secure e-mail and internet capability to allow efficient transfer of information between Alpha and the client. We currently have the latest editions of the following software:

- AutoCAD 18
- REVIT (Editions up to 2018)
- Civil 3D
- RISA 3D
- RISA Floor
- RISA Foundation
- MathCAD
- Autodesk Suite
- Enercalc
- AutoTURN
- TopCon GR5 GPS System
- TopCon Total Station with Reflectorless Capabilities
- Carlson Surveyor & Data Collector



## ALPHA RESUMES

### SUMMARY

Mr. Colebank is President and Chief Operating Officer of Alpha. He has been with Alpha Associates, Incorporated since 1985. He began his career with Alpha as a staff engineer and progressed through the ranks from Project Manager to his current position. Mr. Colebank has worked with diverse clients such as WVU, City of Morgantown, WVDOH, WVU Foundation, and the Morgantown Municipal Airport, as well as numerous other public and private clients. Since 1988, Mr. Colebank has been the Principal-In-Charge of 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 projects.



### PROFILE

Broad-based responsibilities in the following areas:

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

### PROFESSIONAL HIGHLIGHTS

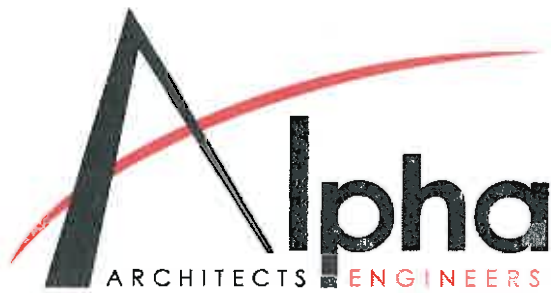
#### Project Manager:

- WVU Research Park; Morgantown, WV
- Federal Bureau of Prisons Hazelton Medium Security Prison
- WV Medal of Honor Recipients Plaza; Hazelton, WV
- North Fork Hughes River Recreation Facilities; Ritchie County, WV
- WVDOH I-77 Welcome Center; Williamstown, WV
- Ices Ferry Bridge; Morgantown, WV
- Monongalia General Hospital Expansion; Morgantown, WV
- Monongalia General Hospital Access Road; Morgantown, WV
- Morgantown Municipal Airport Access Road; Morgantown, WV
- West Virginia State Office Building; Clarksburg, WV
- WVU College of Physical Education and Sports Science/Student Health Center; Morgantown, WV

#### Indefinite Delivery/Indefinite Quantity Contracts:

- Morgantown Municipal Airport Open End Contract
- West Virginia Division of Highways Open End Contract
- National Energy Technology Laboratories Open End Contract
- West Virginia University Open End Contract
- United States Postal Service Open End Contract





## ALPHA RESUMES

**Richard A. Colebank, PE, PS** | President and COO

### EMPLOYMENT HISTORY

1985 – Current    Alpha Associates, Incorporated  
1983-1985        Charles Townes and Associates, P.C.  
1983                US Army Corps of Engineers

### EDUCATION

West Virginia University  
Masters of Business Administration; 1999  
Bachelor - Civil Engineering; 1982

### QUALIFICATIONS

• **License:** Professional Engineer: West Virginia, Maryland, Pennsylvania, Virginia  
Professional Surveyor: West Virginia  
Certified Private Pilot

### AFFILIATIONS

- Former NSPE/PEPP Governor of WV
- American Red Cross - Regional Chairman
- University High School Foundation; Charter Member; President
- Morgantown Area Chamber of Commerce; Past Chairman
- WVU College of Civil and Environmental Engineering Visiting Committee
- WVU College of Business and Economics MBA Advisory Committee

think  **Alpha** first.com

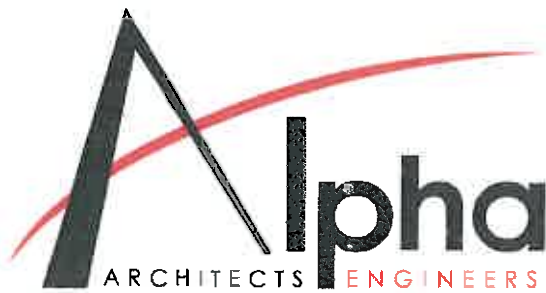
Contact

**Richard A. Colebank**

304.296.8216

800.640.8216

[rick.colebank@thinkalphafirst.com](mailto:rick.colebank@thinkalphafirst.com)



## ALPHA RESUMES

**Charles Branch, PE** | Principal, Civil Engineer

### 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

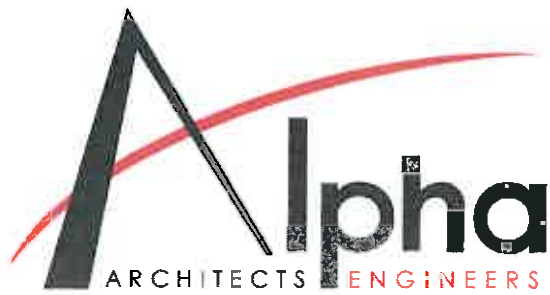
Broad-based responsibilities in the following areas:

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

### PROFESSIONAL HIGHLIGHTS

#### Civil Engineer/Project Manager:

- Jane Lew Truck Stop; Jane Lew, WV
- Clarksburg State Office Building; Clarksburg, WV
- WVU Reedsville Farm Redevelopment; Morgantown, WV
- Freedom Automotive Group Dealerships; Morgantown, WV
- Freedom Kia; Clarksburg, WV
- WVU Parking Lot 81 Renovations; Morgantown, WV
- WVU Doll's Run Burn Room; Morgantown, WV
- WVU Alumni Center Parking Lot; Morgantown, WV
- WVU Alumni Center Storm Water Management; Morgantown, WV
- WVU Evansdale Redevelopment; Morgantown, WV
- WVU Health Sciences Center Eastern Division; Martinsburg, WV
- Blackshere Bridge; Mannington, WV
- WVDOH I-77 Welcome Center; Williamstown, WV
- WV Medal of Honor Recipients Plaza; Hazelton, WV
- Lewis County High School Bridge; Weston, WV
- Wyoming County Route 10 Relocation; Wyoming County, WV
- Fairmont Federal Credit Union; Bridgeport, WV



## ALPHA RESUMES

**Charles Branch, PE**

Principal, Civil Engineer

### EMPLOYMENT HISTORY

1992 – Current    Alpha Associates, Incorporated  
1988-1992       Reimer, Muegge, & Associates, Inc.

### EDUCATION

West Virginia University  
Bachelor - Civil Engineering; 2000  
Fairmont State College  
Bachelor Architectural Engineering Technology; 1988

### QUALIFICATIONS

• **License:** Professional Engineer: West Virginia

### AFFILIATIONS

- WV Society of Professional Engineers
- National Society of Professional Engineers

think  first.com

### Contact

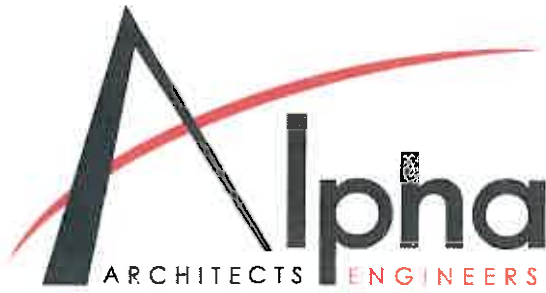
Charles B. Branch

304.296.8216

800.640.8216

[chuck.branch@thinkalphafirst.com](mailto:chuck.branch@thinkalphafirst.com)





## ALPHA RESUMES

### SUMMARY

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



### PROFILE

Broad-based responsibilities in the following areas:

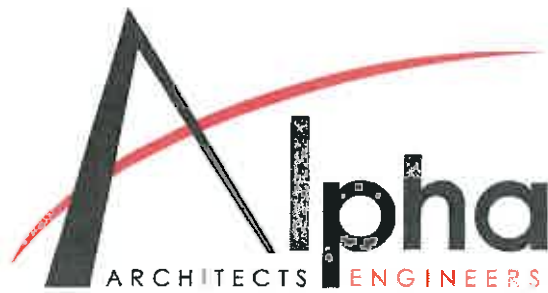
- Bridge Structural Design and Analysis
- Innovative Bridge Materials Applications
- Building Structural Design and Analysis
- Historical Restoration and Evaluations

### PROFESSIONAL HIGHLIGHTS

#### Structural Engineer:

- Freedom Automotive Group 3 Dealerships; Morgantown, WV
- Hazel Ruby McQuain Equine Education & Resource Center; WVU
- WVDOT Amettsville Replacement Bridge; Morgantown, WV
- Clarksburg State Office Building; Morgantown, WV
- Grant County Bank Addition & Renovation; Petersburg, WV
- South Berkeley Fire Station; Inwood, WV
- Alumni Center Structural Framing and Foundation; WVU
- Engineering Science Building, East Wing Addition, WVU
- Hazel Ruby McQuain Amphitheater Roof; Morgantown, WV
- West Buckeye Bridge; Core, WV
- Washington High School; Charles Town, WV
- WVU Coliseum Structural Inspection; Morgantown, WV
- WVU Coliseum Scoreboard Hoist Project; Morgantown, WV
- Alderson Broadbent College, Rex Pyles Arena Deck; Philippi, WV
- Mountaineer Middle School Renovation; Morgantown, WV
- Salem International Building Inspections; Salem, WV
- Monongalia County Sheriff's Building; Morgantown, WV
- South High Street Bridge, Morgantown, WV
- Ices Ferry Bridge, Morgantown, WV





## ALPHA RESUMES

**Charles B. Luttrell, PE** | Principal, Structural Engineer

### EMPLOYMENT HISTORY

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

### EDUCATION

West Virginia University  
Masters - Structural Engineering; 1995  
Bachelor - Civil Engineering; 1993

### QUALIFICATIONS

• **License:** Professional Engineer: West Virginia, Pennsylvania

### AFFILIATIONS

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

### Research Experience

- Cold Formed Steel Deck Research
  - ✓ Fastener Failures
  - ✓ Edge conditions/failures
  - ✓ Buttoned overlap shear failures
- Composite Cold Formed Steel and Concrete Deck Research
  - ✓ Line load behavior/failures
  - ✓ Concentrated load behavior/failures
  - ✓ Web crippling
  - ✓ Punch failures

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### Contact

Charles B. Luttrell  
304.296.8216  
800.640.8216

charlie.luttrell@thinkalphafirst.com



## ALPHA RESUMES

### SUMMARY

Ms. Key has worked in the architectural field for over 35 years. She serves as Project Architect/Project Manager for numerous architectural designs at Alpha Associates, Incorporated. Ms. Key is involved from the programmatic stages and schematic designs all the way through construction documents to construction administration. Having been with Alpha since 2000, Ms. Key has provided design services on numerous projects that have contributed to the ever-growing skyline of Morgantown, Charleston, Bridgeport, and other areas around the state.



**Rebecca Key, AIA, LEED-AP** | Architect, Associate

### PROFILE

**Broad-based responsibilities in the following areas:**

- Architectural Design
- Interior Design and Space Planning
- Feasibility Studies
- Water Infiltration Analysis
- Interior Space Planning
- Historic Renovation
- Project Management

### PROFESSIONAL HIGHLIGHTS

#### Education

- Ridgedale Elementary; Morgantown, WV
- Mountaineer Middle School; Morgantown, WV
- Pineville Elementary; Pineville, WV
- Huff Consolidated School; Hanover, WV

#### Historic Renovations

- Cass Scenic Railroad - Clubhouse Renovation; Cass, WV
- Berkeley Springs Bathhouse; Berkeley Springs, WV
- Hawks Nest State Park Picnic Pavilion; Anstead, WV
- Hawks Nest State Park CCC Museum; Anstead, WV

#### Recreation

- Ruby McQuain Amphitheater; Morgantown, WV
- North Fork Hughes River State Park; Ritchie County, WV

#### Dormitory and Multi-Family

- Fairmont State University Prichard Hall Renovation; Fairmont, WV
- WVU Boreman Hall; Morgantown, WV
- Augusta Apartment Building; Morgantown, WV
- Grand Central Apartment

#### Municipal & State Government

- WV State Office Building; Clarksburg, WV
- Mon County Family Court Renovation; Morgantown, WV
- Mon County Sheriff's Department; Morgantown, WV
- White Hall Municipal Building; White Hall, WV
- WV State Office Building; Parkersburg, WV



## ALPHA RESUMES

**Rebecca Key, AIA, LEED-AP** | Architect, Associate



### EMPLOYMENT HISTORY

2000 – Current	Alpha Associates, Incorporated
1983-1999	Alexander Key and Associates
1978-1983	Webster Clothes; Director of Store Planning

### EDUCATION

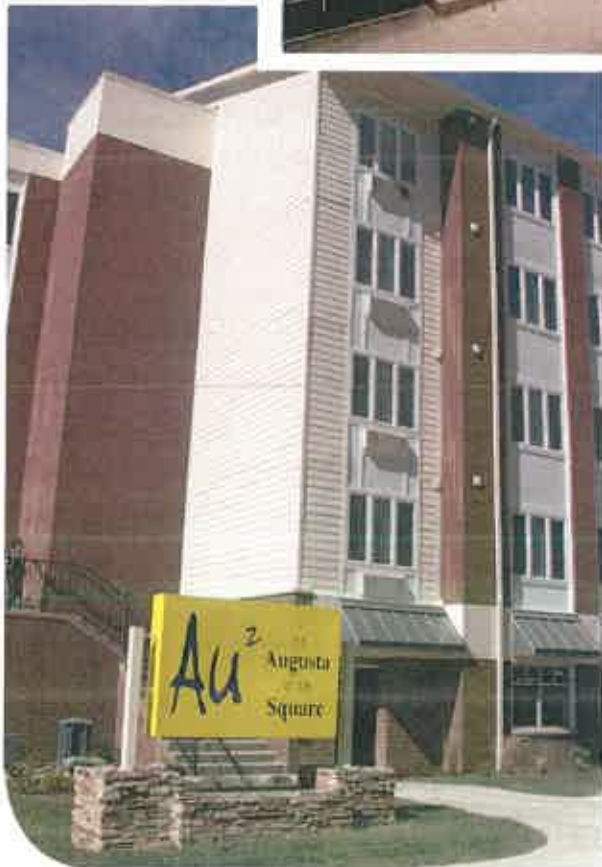
University of Maryland  
Bachelor of Architecture; 1977  
Maryland Institute College of Art  
Coursework in Furniture Design; 1986-1987

### QUALIFICATIONS

- **License:** Registered Architect: West Virginia, Maryland, Washington DC, New York, Virginia, Pennsylvania
- NCIDQ Certified (Interior Design)
- Leadership In Energy and Environmental Design Accredited Professional
- Meet Standards of Secretary of the Interior for historic architecture

### AFFILIATIONS

- American Institute of Architects
- West Virginia Society of Architects
- Fairmont, WV ICC Board of Appeal; Board Member
- U.S. Green Building Council
- AIA Liveable Communities
- Marion County Chamber of Commerce
- Leadership Kanawha Valley Class of 2014



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### Contact

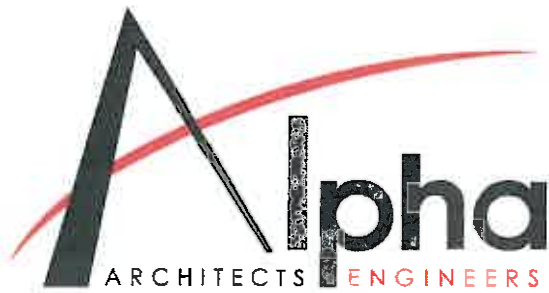
**Rebecca Key**

304.296.8216

800.640.8216

[rebecca.key@thinkalphafirst.com](mailto:rebecca.key@thinkalphafirst.com)





## ALPHA RESUMES

**Bradley Casdorff, PE, PS** | Civil Engineer

### SUMMARY

Mr. Casdorff joined the Alpha Associates, Incorporated team in 2004 and currently works as a project engineer in the Morgantown office. He has 36 years of professional experience with roadway design, storm sewer design, airport airside renovation and design, storm water management including conveyance and detention, environmental permitting, project administration supervision and inspection, as well as boundary and construction surveying.



### PROFILE

Broad-based responsibilities in the following areas:

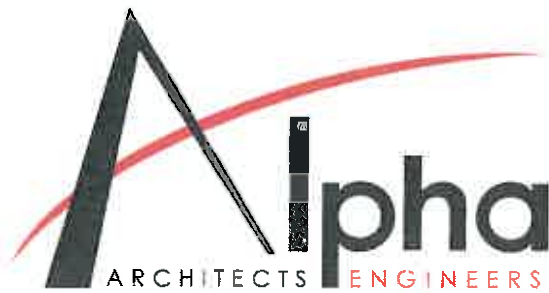
- Airport Planning and Design
- Highway Design
- Hydraulic and Hydrology Studies
- Site Plan Development
- Land Surveying

### PROFESSIONAL HIGHLIGHTS

#### Civil Engineering:

- Platinum Properties - Waterfront Conference Center; Morgantown, WV
- Hart Field - Runway Safety Area; Morgantown, WV
- Hart Field - Ramp Renovation and Deicing Facility; Morgantown, WV
- Hart Field - Signage and Lighting; Morgantown, WV
- Hart Field - Airport Certification Manual; Morgantown, WV
- Hart Field - Air Rescue and Fire Fighting Vehicle Procurement, WV
- WVU - Lot 81 Parking Area Improvements; Morgantown, WV
- WVU Animal Facilities Annex, Engineering Retrofit; Morgantown, WV
- McKee Crossing - 120 Acre Subdivision; Martinsburg, WV
- Morgantown Municipal Airport Access Road; Morgantown, WV
- Davisson Estates - 60 Acre Subdivision; Morgantown, WV
- Mon General Hospital - East Parking Area; Morgantown, WV
- Applebee's Restaurant, Site Plan; Morgantown, WV
- WVU CPASS/Student Health; Morgantown, WV
- WVU Research Park- 100 Acre ALTA/ACSM Survey; Morgantown, WV
- WVU Museum; Morgantown, WV





## ALPHA RESUMES

**Bradley Casdorph, PE, PS** | Civil Engineer

### EMPLOYMENT HISTORY

2004 – Current    Alpha Associates, Incorporated  
1979-2004        Triad Engineering, Incorporated

### EDUCATION

West Virginia University  
Masters - Soil Conditions and Foundation Design; 1982  
Bachelor - Civil Engineering; 1979

### QUALIFICATIONS

- **License:** Professional Engineer: West Virginia  
Professional Surveyor: West Virginia  
Certified Private Pilot

### AFFILIATIONS

- WV Society of Professional Engineers
- National Society of Professional Engineers
- WVSPS - Mountain Regional Chapter; President
- Aircraft Owners and Pilots Association; Member



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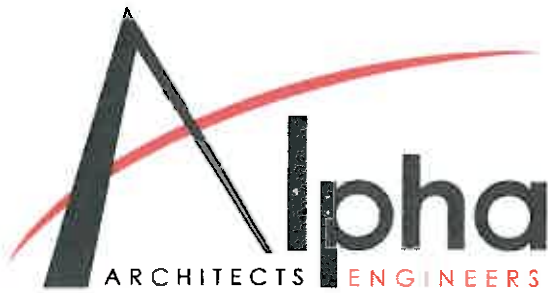
### Contact

**Bradley Casdorph**

304.296.8216

800.640.8216

[brad.casdorph@thinkalphafirst.com](mailto:brad.casdorph@thinkalphafirst.com)



## ALPHA RESUMES

**Matthew T. Echard, PE** | Structural Engineer, Associate

### SUMMARY

Mr. Echard joined Alpha Associates, Inc. in early 2016 with a strong belief that his clients deserve intelligent, performance-based and value-oriented solutions. Drawing on experience working across the United States, Europe, and the Middle East, Mr. Echard returned to West Virginia to provide world-class service in a historically underserved region while making positive contributions to the future growth of his home state. Mr. Echard places a large value on the collaborative work process, believing that a building's form and function are derived from many contexts. Mr. Echard's office is located in the corporate office in Morgantown, WV.

### EMPLOYMENT HISTORY

2016-Current	Alpha Associates, Incorporated
2010-2015	Echard ingenieurBüro
2006-2009	Buro Happold Consulting Engineers
2003-2006	RISA Technologies, Inc.
2000-2003	Zaldastani Associates, Inc.

### EDUCATION

Massachusetts Institute of Technology  
Masters - Engineering & Environmental  
Mechanics 2002  
West Virginia University  
Bachelors of Science - Civil Engineering 2000

### QUALIFICATIONS

- **License:** Professional Engineer: West Virginia, California
- California OES SAP Evaluator

### AFFILIATIONS

American Concrete Institute (ACI)  
American Institute of Steel Construction (AISC)  
American Society of Civil Engineers (ASCE)  
American Wood Council (AWC)

### PROFILE

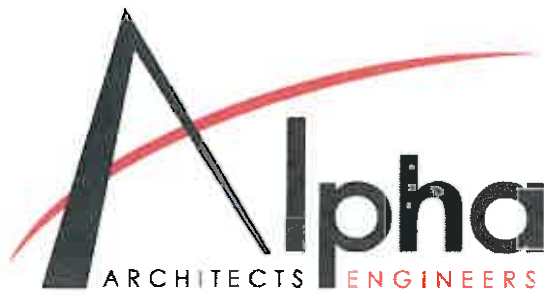
Broad-based responsibilities in the following areas:

- Structural Engineering
- Structural Forensics
- Project Management

### PROFESSIONAL HIGHLIGHTS

#### Structural Engineering:

- Grant County Bank; Petersburg, WV
- WVDOH Arnettsville Bridge Replacement; Monongalia County, WV
- WVDOH Deckers Creek Pedestrian Bridge; Morgantown, WV
- Jane Lew Truck Stop; Jane Lew, WV
- Queen Street Underpass; Martinsburg, WV
- Westover Goodwill Structural Design; Morgantown, WV
- Weyerhaeuser Roof Evaluation; Heaters, WV
- Weyerhaeuser OSB Facilities Alterations; Heaters, WV
- Weyerhaeuser Hazardous Material Transfer Encloser; Heaters, WV
- Mapletown High School Elevator; Mapletown, PA
- Knauf Insulation Melter Line Structural Supports ; Inwood, WV
- Knauf Insulation Cooling Tower & Heat Exchanger Structure & Foundations; Inwood, WV
- 57 Middleway Pike Commercial Building; Inwood, WV
- Graftech Furnace Structural Assessment; Grafton, WV
- FedEx Distribution Facility Structural Damage Assessment; Morgantown, WV
- Los Mariachis UTC; Morgantown, WV



## ALPHA RESUMES

**Matthew T. Echard, PE** | Structural Engineer

### EMPLOYMENT HISTORY

2016-Current	Alpha Associates, Incorporated
2010-2015	Echard ingenieurBüro
2006-2009	Buro Happold Consulting Engineers
2003-2006	RISA Technologies, Inc.
2000-2003	Zaldastani Associates, Inc.

### EDUCATION

Massachusetts Institute of Technology  
Masters - Engineering & Environmental Mechanics 2002  
West Virginia University  
Bachelors of Science - Civil Engineering 2000

### QUALIFICATIONS

- **License:** Professional Engineer: West Virginia, California
- California OES SAP Evaluator

### AFFILIATIONS

American Concrete Institute (ACI)  
American Institute of Steel Construction (AISC)  
American Society of Civil Engineers (ASCE)  
American Wood Council (AWC)

### Publications

- Echard, M. and Tonis, D. Convergent Design Methodology for Bio-Science Labs: Architectonic and Performative Structural Considerations Using the Geilinger Composite Column Solution. Proceedings of ICSEA2010 - First International Conference on Structures and Architecture Guimarães, Portugal, July 2010, Taylor & Francis.
- Echard, M. Structural Analysis and Design Within a BIM Framework. EASEC 10 - East Asia Structural Conference, Bangkok, Thailand, August 2006.



# Allegheny Design Services

GARY M. (MIKE) CHANCEY, P.E., LEED AP  
MEP DEPARTMENT MANAGER

**Education:**

West Virginia Institute of Technology - B.S. Electrical Engineering

**Professional Registrations:**

Professional Engineer, West Virginia, Ohio, Pennsylvania and Maryland  
LEED Accredited Professional

**Professional Memberships:**

National Society of Professional Engineers  
West Virginia Society of Professional Engineers  
American Institute of Architects – WV Chapter  
U.S. Green Building Council

**Continuing Education:**

2014 Commercial Buildings Energy Code Workshop—ASHRAE 90.1—2007  
2013 Lightfair International, Philadelphia, PA

**Professional Experience:**

Responsible for project management and electrical design at Allegheny Design Services. Experience includes over 20 years in electrical design and project management for industrial, commercial, residential, institutional, educational, and recreational facilities. Building system design includes lighting, site lighting, power distribution, communications, surveillance, access control, and fire protection. Past accomplishments include design and construction administration of health care, schools, municipal, sports, commercial and retail facilities.

**Experience Record:**

Allegheny Design Services, LLC, MEP Project Manager	June 2009 to Present
MSES Consultants, Project Electrical Engineer	August 1990 to June 2009
Triad Engineering Consultants, Staff Electrical Engineer	May 1988 to August 1990
Duke Power, Design Engineer	August 1985 to May 1988

**Project Experience Includes:**

Experience includes estimating, design, project management, coordination, and project engineering for construction projects:

Parish Center for Immaculate Conception Church, Clarksburg, WV  
Mountaineer Medical Office Building, Bridgeport, WV  
WVU Visitor's Resource Center, Morgantown, WV  
Upshur County 911 Center, Buckhannon, WV  
Morgantown Event Center, Morgantown, WV  
WVU Percival Hall Chiller Replacement, Morgantown, WV  
Mylan Pharmaceuticals, Greenbag Road Facility, Morgantown, WV  
Bank of Gassaway, Flatwoods, WV  
Veterans Nursing Facility, Clarksburg, WV  
Harrison Co. 4-H & Recreation Center, Clarksburg, WV  
Robert L. Bland Middle School Renovation, Weston, WV  
Stonewall Jackson Resort Lodge, Stonewall Jackson Lake, WV  
Ripley Municipal Building, Ripley, WV  
Wheeling Jesuit Science and Technology Building, Wheeling, WV  
VAMC Primary Care Renovation, Clarksburg, WV  
National Guard Hangar, Harrison Marion Regional Airport, Bridgeport, WV  
Fairmont State University Athletic Field Lighting, Fairmont, WV  
Harrison Marion Regional Airport Runway Extension, Bridgeport, WV  
Various school renovations and additions  
Streetscape projects in Clarksburg, Bridgeport, Weston, Morgantown, and WVU





**DAVID A. COTTON, P.E., LEED AP BD+C**  
**SENIOR MECHANICAL ENGINEER**

**Education:**

West Virginia Institute of Technology – B.S. Mechanical Engineering

**Professional Registrations:**

Professional Engineer, West Virginia, Pennsylvania, Ohio, Maryland and Virginia.  
LEED AP BD+C Professional Accreditation  
NCEES Record Certificate

**Professional Memberships:**

American Society of Heating, Refrigerating and Air-Conditioning Engineers  
- Secretary Mountaineer Chapter  
- Student Activities Chair Mountaineer Chapter  
U.S Green Building Council  
National Fire Protection Association  
- Architects Engineers and Building Officials Chapter Member

**Continuing Education:**

2009 ASME HVAC Systems: Sizing and Design - April 27-29 - Orlando, FL  
2013 Commercial Buildings Energy Code Workshop - ASHRAE 90.1 - 2007 - West Virginia University  
2013 Mitsubishi Diamond Designer Seminar 1 - October 31 - Charleston, WV

**Professional Experience:**

Responsible for HVAC & plumbing design at Allegheny Design Services. Experience includes mechanical design and project management for industrial, commercial, institutional, education, and recreational facilities. Building system designs include packaged gas heating / dx cooling, split systems, air distribution systems, boiler & chiller systems, VAV & VVT zone control, indoor air quality ventilation and server room cooling. Plumbing systems include sanitary, domestic water, fuel gas, and storm drainage. Implemented sustainable building design concepts, and provided construction administration to achieve LEED certification for new construction projects.

**Experience Record:**

Allegheny Design Services, LLC, Senior Mechanical Engineer	June 2009 - Present
March-Westin Company, Project Manager	August 2006 - June 2009
Contracting Engineering Consultants, Detailer	May 2006 - August 2006
Special Metals, Corrosion Lab Technician	May 2005 - January 2006
Oasis Landscaping, Landscaper	May 2004 - September 2004
GC Services, Account Representative/Team Leader	May 2002 - October 2003

**Project Experience Includes:**

Experience includes estimating, design, project management, coordination, and project engineering for construction projects:

Beitzel / Pillar Innovations Office Building, Morgantown, WV  
GSA Charleston LEED Administration, Charleston, WV  
Jerry Dove Medical Office Building, Bridgeport, WV  
Percival Hall Chiller & Cooling Tower Replacement, Morgantown, WV  
Thrasher Engineering Office Building, Bridgeport, WV  
RL Bland Middle School Field House Renovation, Lewis, WV  
South Ridge Church, Fairmont, WV  
Steptoe and Johnson Office Building, Clarksburg, WV  
Upshur County Communication Center, Buckhannon, WV  
WVU Alumni Center, Morgantown, WV  
WVU Biomedical Research Facility, Morgantown, WV  
WVU Milan Puskar Locker Room Renovations, Morgantown, WV  
WVU Office Fitout at Marina Tower, Morgantown, WV  
WVU Creative Arts Center Rehearsal Hall, Morgantown, WV



## ALPHA EXPERIENCE

State Office Building | 2016

### Architectural Case Study

West Virginia State Office Building  
Clarksburg, WV

Alpha Associates, Incorporated provided architectural design, civil and structural engineering and surveying services for a new State Office Building in Clarksburg, WV. The building is designed as an 88,491 square foot; four story office building that will hold State agencies.

The structure is brick, and structure glazed brick, and concrete frame. The project incorporated traditional and non-traditional interior partitions for offices. The building faces East/West to provide maximum passive solar benefit for energy savings, through the design of the mechanical systems. The project will be applying for Silver Certification under LEED standards.

#### Project Contact:

Robert Krause

1900 Kanawha Blvd, East

Charleston, WV 25305

304-558-2317

#### At a Glance

CLIENT: State of West Virginia

LOCATION: Clarksburg, WV

COMPLETION DATE: 2016

SIZE: 88,491 sq. ft.

CONSTRUCTION COST: \$24.9 Million







## ALPHA EXPERIENCE

CPASS & Student Health Center | 2014

### Educational Case Study

**CPASS and Student Health Center**  
**Morgantown, WV**

The College of Physical Activity and Sports Studies (CPASS) is a combined project of 120,000 square foot that borders the newly renovated athletic fields, also designed by Alpha. It is home to the new WVU Student Health Center (SHC) as well as three large general purpose classrooms that seat 50 or more students and five other classrooms, among other features. In addition, there is an athletic training room and lab, fitness room and computer lab that serve students from all colleges within the University. The Student Health Center brings together the traditional student health services, WVU Urgent Care, and Carruth Mental Health under one roof. The adjacency to the Student Recreation Center and Towers dormitories make this an ideal location for these functions on the campus. Brick, cast stone, and natural stone facades bring the Georgian aesthetics from the original Downtown campus with a hint of the modern forms and detailing found elsewhere on the Evansdale Campus.



#### Project Contact:

**Scott Owen**  
**WVU Facilities Management**  
**Project Manager**  
PO Box 6570  
Morgantown, WV 26505  
(304) 293-7478

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#### At a Glance

**CLIENT:** West Virginia University  
**LOCATION:** Morgantown, WV  
**COMPLETION DATE:** 2014  
**SIZE:** 120,000 SF  
**CONSTRUCTION COST:** \$24,751,000



## ALPHA EXPERIENCE

Administrative Building | 2012

### Architectural Case Study

#### Federal Bureau of Prisons Administrative Building

Hazleton, WV

Alpha Associates is the Architect of Record for a new medium security men's prison in Hazleton, WV. Hensel-Phelps Construction is the Design-Build Contractor. As part of the project Alpha provided architectural design and structural engineering for a new 13,805 square feet Administrative Building.

The Administration Building serves as the main entrance and control center hub for the facility. The building contains a Lobby/Waiting Area, Squad Room/Armory/ Locksmith, Storage Area, Staff Offices/ Telephone & CCTV Monitoring, and the Warden's Suite.

The building serves both secure and non-secure activities. Sensitive areas such as Central Control, Electronic Equipment, Security LAN, and Telephone Equipment were constructed to the Federal Bureau of Prisons Security Standards to include secure doors and hardware, reinforced masonry and concrete walls, and precast concrete plank ceilings.

The building is designed using Leadership in Energy and Environmental Design (LEED) principles and reinforces the goals set forth in the Energy Policy Act. The building is expected to achieve a LEED Gold Certification.

#### At a Glance

CLIENT: Hensel Phelps Construction

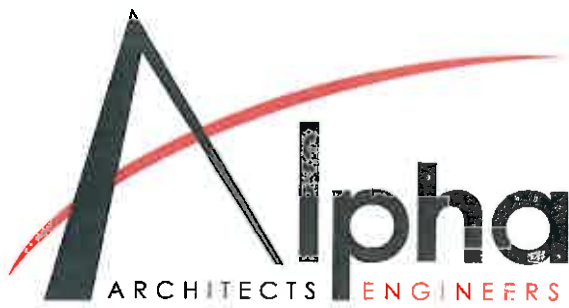
LOCATION: Hazleton, WV

COMPLETION DATE: 2012

SIZE: 13,805 sq. ft.

CONSTRUCTION COST: Part of Larger Project





## ALPHA EXPERIENCE

**South Agricultural Sciences Building** | 2005

### Educational Case Study

**WVU -South Agricultural Sciences Building**  
Morgantown, WV

Alpha provided architectural and engineering design services for a two-story addition to the south side of the WVU Agricultural Sciences Building. The addition included a large 250 seat, multi-tier general purpose lecture lab, 7 research labs, 2 teaching labs, 12 faculty offices, a greenhouse, assorted support rooms, and an unfinished shell space for future expansion, all within 40,000 square feet.

The expediency of the project necessitated a building envelope that was fast and affordable, while at the same time providing a connection with the existing white/gray masonry construction of the 1950's era Agriculture Sciences Building.

#### Project Contact:

**John Sommers**

**Po Box 6572**

**Morgantown, WV 26506**

**304-293-2856**

#### At a Glance

**CLIENT:** West Virginia University

**LOCATION:** Morgantown, WV

**COMPLETION DATE:** 2005

**SIZE:** 40,000 Sq. Ft.

**CONSTRUCTION COST:** \$7.3 Million

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## ALPHA EXPERIENCE

**U.S. Coast Guard Operations Center** | 1999

### Engineering Case Study

**U.S. Coast Guard Operations  
Systems Center  
Martinsburg, WV**

Working with DMJM Architects, Alpha Associates, Incorporated provided site and civil engineering services for this 75,000-square foot building. Services included parking lot design, site grading, site mapping, surveying, drainage design, sewer and water connections and storm water management. Alpha's staff also provided all necessary paperwork for the County's Planned Unit Development process.

#### Project Contact:

**Mr. Ken Lowe**  
**Panhandle Venture II**  
**233 Lowe Drive**  
**Shepherdstown, WV 25443**  
**304-870-7001**

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#### At a Glance

**CLIENT:** U.S. Coast Guard  
Operations Systems  
**LOCATION:** Martinsburg, WV  
**COMPLETION DATE:** 1999  
**SIZE:** 75,000 sq. ft.  
**CONSTRUCTION COST:** Portion of Larger Project





**Allegheny**  
**Design Services**  
*Consulting Engineers*

## **ALLEGHENY DESIGN SERVICES' EXPERIENCE**

### **Dominion Transmission HQ Office Building Bridgeport, WV**

#### **Certified Level Gold**

This project consists of a new 106,000 Sq. Ft., 4-Story Office Building, located in White Oaks Office Park, Bridgeport, WV. High Efficiency Packaged DX rooftop equipment and VAV units with hot water heat from modular condensing boiler system. Precision cooling server room air conditioning system. Water conserving plumbing fixtures. This project is the Second LEED V3 BD+C: New Construction, certified level Gold project in the state of West Virginia and the First Privately Owned LEED V3 BD+C: New Construction Gold Level Certification in the state of WV.



### **Jerry Dove Medical Office Building Bridgeport, WV**

4-Story Medical Office Building with 48,000 S.F. Total Space. Packaged Natural Gas Rooftop Cooling and Heating Units with VAV Terminal Boxes.

2000 Amp, 480/277 Volt, 3 Phase Service with Step-Down Transformers

Addressable Fire Alarm System, Sprinkler System, Raceway Infrastructure for Telecommunications Cabling. Emergency Back-up Power Supply Using 80 KW Generator for Emergency Lighting and Specialty Equipment. This project was completed in 2011 for approximately \$6 million.





**Allegheny**  
**Design Services**  
*Consulting Engineers*

## **ALLEGHENY DESIGN SERVICES' EXPERIENCE**

### **NOAA GOES-R Fairmont, WV**

A 13,000 S. F. space and High Density Data Center designed to achieve LEED Silver level of sustainability under the US Green Building Council Leadership in Energy and Environmental Design Green Building Rating System. ADS was the LEED Administrator and Provided contractor support during the construction, and post-occupancy activities.



### **City Net Morgantown, WV**

A 2-Story Office Building with 15,000 Sq. Ft. Total Space. Gas Fired Heating with DX Cooling. Self-contained Energy Efficient IT Cooling System. High Efficient Fluorescent Lighting, 600 amp 208/120 volt, 3 Phase Electrical Service. Addressable Fire Alarm System, Sprinkler System, Raceway Infrastructure for Telecommunications Cabling. This project was completed in 2010 for approximately \$2.5 million.







**Allegheny**  
**Design Services**  
*Consulting Engineers*

## **ALLEGHENY DESIGN SERVICES' EXPERIENCE**

### **GSA Charleston Charleston, WV**

The GSA building in Charleston, WV is a two story 21,675 SF building designed to achieve the LEED

Silver level of sustainability under the US Green Building Council Leadership in Energy and Environmental Design Green Building Rating System.

ADS was the LEED administrator and provided contractor support during the design, construction, commissioning and post-occupancy activities.



### **NOAA ESCC Fairmont, WV**

The NOAA ESCC fitout in Fairmont, WV is a 54,000 S.F. space and high density data center designed to achieve LEED Silver level of sustainability under the US Green Building Council Leadership in Energy and Environmental Design Green Building Rating System. ADS provided contractor support during the construction, commissioning and post-occupancy activities. Chilled Water & Hot Water Distribution Systems. Generator and Power Distribution Systems. HVAC Air Distribution Systems. LEED Contractor Support for Commissioning, EA, IEQ & MR Credits. This project was completed in 2012 for approximately \$27 million.





STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come, Greeting  
Know Ye That The State Board of Registration for Professional Engineers  
of the State of West Virginia, reposing special confidence in  
the Intelligence, Integrity and Discretion of

Charles B. Branch

DOES, IN PURSUANCE OF AUTHORITY VESTED IN IT  
By law, hereby certify that, he having submitted  
satisfactory evidence of his ability and experience, is a  
**REGISTERED PROFESSIONAL ENGINEER**

Registration Number [REDACTED]

(To Hold) and use such title in the practice of his profession,  
subject to the conditions prescribed by law.



Given under the hand and the Seal  
of the Board at the Capitol in the  
City of Charleston,  
this 17th day of February in the  
year of our Lord 2002  
and of the State the One Hundred  
Thirty-Eight

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

*[Handwritten signatures]*  
By *Francis A. Kelly*  
*[Other signatures]*





STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come Greeting  
Know Ye That The State Board of Registration for Professional Engineers  
of the State of West Virginia, reposing special confidence in  
the Intelligence, Integrity and Discretion of

**Bradley H. Casdorph**

DOES IN PURSUANCE OF AUTHORITY VESTED IN IT

by law hereby certify that he having submitted  
satisfactory evidence of his ability and experience is a

**REGISTERED PROFESSIONAL ENGINEER**

Registration Number [REDACTED]

To Hold and use such title in the practice of his profession,  
subject to the conditions prescribed by law.



Given under the hand of the  
Treasurer of the Board at the Capital in the  
City of Charleston,  
This 25th day of December  
in the year of our Lord 2005  
and of the State  
the One Hundred Forty-Seventh

Members of the Board

*James D. Timmons, Jr.*

*Richard E. Dignall*

*Blair S. Selig*

*William E. Dierker*



STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come, Greeting.

Know Ye That The State Board of Registration for Professional Engineers, of the State of West Virginia, reposing special confidence in the Intelligence, Integrity and Discretion of

Richard A. Colebank

DOES, IN PURSUANCE OF AUTHORITY VESTED IN IT

by law, hereby certify that he having submitted satisfactory evidence of his ability and experience, is a

**REGISTERED PROFESSIONAL ENGINEER**

Registration Number [REDACTED]

To Hold and use such title in the practice of his profession, subject to the conditions prescribed by law.



Given under the hand and the Seal of the Board at the Capitol in the City of Charleston this 23rd day of Feb. in the year of our Lord One Thousand Nine Hundred and Eighty-Eight and of the State the One Hundred Twenty-Fourth.

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

*Frank G. Gately*  
Frank G. Gately

*Kenneth H. Morris*  
Kenneth H. Morris

*Richard A. Colebank*  
Richard A. Colebank





STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

**To all to whom these presents shall come Greeting**  
*"Know Ye" That The State Board of Registration for Professional Engineers*  
*of the State of West Virginia, reposing special confidence in*  
*the Intelligence, Integrity and Discretion of*

**Matthew T. Richard**

**DOES IN PURSUANCE OF AUTHORITY VESTED IN IT**  
*by law hereby certify that he having submitted*  
*satisfactory evidence of his ability and experience is a*

**REGISTERED PROFESSIONAL ENGINEER**

**Registration Number** [REDACTED]

**To Hold** *and use such title in the practice of his profession,*  
*subject to the conditions prescribed by law.*



*Given under the hand of the*  
*Seal of the Board at the Capitol in the*  
*City of Charleston,*  
*This 17th day of August*  
*in the year of our Lord 2012*  
*and of the State*  
*the One Hundred Forty-Ninth*

**Members of the Board**

*Loren D. Timms, Jr.* *Richard E. Dwyer*

*Blair S. Smith* *William E. Pison*



## of West Virginia

No. [REDACTED]

*This Certifies that* Rebecca Jean Key *of* Baltimore  
*in the State of* Maryland *having successfully passed an examination*  
*before the Board of Architects of the State of West Virginia, and being*  
*otherwise qualified, is hereby authorized to practice Architecture in all its*  
*branches in the State of West Virginia.*



*Witness the signatures of the President and Secretary of the Board of*  
*Architects of West Virginia and the seal of said Board, this* 26th  
*day of* September 1924

W. E. G. J. *President.*  
[Signature] *Secretary.*





STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come, Greeting.

Know Ye That The State Board of Registration for Professional Engineers, of the State of West Virginia, reposing special confidence in the Intelligence, Integrity and Discretion of

Charles B. Luttrell

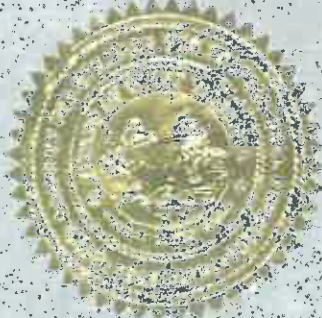
DOES, IN PURSUANCE OF AUTHORITY VESTED IN IT

by law, hereby certify that he having submitted satisfactory evidence of his ability and experience, is a

**REGISTERED PROFESSIONAL ENGINEER**

Registration Number [REDACTED]

To Hold and use, such title in the practice of his profession, subject to the conditions prescribed by law.



Given under the hand and the Seal of the Board at the Capitol in the City of Charleston this 23<sup>rd</sup> day of July in the year of our Lord One Thousand Nine Hundred and Ninety-nine and of the State the One Hundred Thirty-sixth.

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

Ed. R. [Signature]

Frank [Signature]

Wm. [Signature]

Wm. [Signature]

# CERTIFICATE OF *Authorization*

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

*The West Virginia State Board of Registration for Professional Engineers  
having verified the person in responsible charge is registered in  
West Virginia as a professional engineer for the noted firm, hereby certifies*

**ALPHA ASSOCIATES, INC.**

**C00012-00**

**Engineer in Responsible Charge: RICHARD A COLEBANK - WV PE 010346**

*has complied with section §30-13-17 of the West Virginia Code governing  
the issuance of a Certificate of Authorization. The Board hereby notifies you of its  
certification with issuance of this Certification of Authorization for the period of:*

**January 1, 2018 - December 31, 2019**

*providing for the practice of engineering services in the State of West Virginia.*

IF YOU ARE REQUIRED TO REGISTER WITH THE SECRETARY OF STATE'S OFFICE  
PLEASE SUBMIT THIS CERTIFICATE WITH YOUR APPLICATION



IN TESTIMONY WHEREOF, THE WEST VIRGINIA STATE BOARD OF  
REGISTRATION FOR PROFESSIONAL ENGINEERS HAS ISSUED THIS COA  
UNDER ITS SEAL AND SIGNED BY THE PRESIDENT OF SAID BOARD

BOARD PRESIDENT





## REFERENCES

### **Jim King**

#### **WV Higher Education Policy Council**

1018 Kanawha Boulevard, East, Suite 700  
Charleston, WV 25301-2800  
304-558-0281 ext. 206

### **Bill Clark, Executive Director**

#### **Region 9 Planning and Development Council**

400 West Stephen Street Suite 301  
Martinsburg, West Virginia 25401  
304-263-1743

### **David Hildreth**

#### **State of West Virginia**

1409 Greenbrier Street  
Charleston, WV 25305  
304-558-0510

### **Damien Davis, City Engineer**

#### **City of Morgantown**

389 Spruce Street  
Morgantown, WV 26505  
304-284-7412

### **Brad Leslie**

#### **Division of Natural Resources**

324 4<sup>th</sup> Avenue  
South Charleston, WV 25303  
304-558-2764

"Alpha Associates have a proven record of customer satisfaction and successful client delivery with our organization. We would be confident in our recommendation in support of Alpha."

**J. Paul Walden**  
**West Virginia University**

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

**Robert Hammel, Former Director**  
**Morgantown Municipal Airport**