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## Header @ 1

[List View](#)

General Information [Contact](#) [Default Values](#) [Discount](#) [Document Information](#) [Clarification Request](#)

Procurement Folder: 1408333

SO Doc Code: CEOI

Procurement Type: Central Contract - Fixed Amt

SO Dept: 0211

Vendor ID: 000000201753

SO Doc ID: GSD2400000006

Legal Name: ALPHA ASSOCIATES INC

Published Date: 5/16/24

Alias/DBA:

Close Date: 5/30/24

Total Bid: \$0.00

Close Time: 13:30

Response Date: 05/30/2024

Status: Closed

Response Time: 12:09

Solicitation Description: EO: Elevator Modernizations - Multiple Facilities Project

Responded By User ID: Diann.Clark

Total of Header Attachments: 1

First Name: Heather

Total of All Attachments: 1

Last Name: Fox

Email: heather.fox@thinkalphafirs

Phone: 304-296-8216





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

State of West Virginia  
Solicitation Response

**Proc Folder:** 1408333  
**Solicitation Description:** EOI: Elevator Modernizations - Multiple Facilities Project  
**Proc Type:** Central Contract - Fixed Amt

Solicitation Closes	Solicitation Response	Version
2024-05-30 13:30	SR 0211 ESR05302400000007433	1

**VENDOR**  
000000201753  
ALPHA ASSOCIATES INC

**Solicitation Number:** CEOI 0211 GSD2400000006  
**Total Bid:** 0  
**Response Date:** 2024-05-30  
**Response Time:** 12:09:08  
**Comments:**

**FOR INFORMATION CONTACT THE BUYER**  
Melissa Pettrey  
(304) 558-0094  
melissa.k.pettrey@wv.gov

<b>Vendor</b>		
<b>Signature X</b>	<b>FEIN#</b>	<b>DATE</b>

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

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	EOI: Elevator Modernizations - Multiple Facilities Project				0.00

Comm Code	Manufacturer	Specification	Model #
81101508			

**Commodity Line Comments:**

**Extended Description:**

EOI: Elevator Modernizations - Multiple Facilities Project



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

State of West Virginia  
Centralized Expression of Interest  
Architect/Engr

Proc Folder: 1408333

Doc Description: EOI: Elevator Modernizations - Multiple Facilities Project

Reason for Modification:

Addendum No. 1

Proc Type: Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2024-05-16	2024-05-30 13:30	CEOI 0211 GSD2400000006	2

**BID RECEIVING LOCATION**

BID CLERK  
DEPARTMENT OF ADMINISTRATION  
PURCHASING DIVISION  
2019 WASHINGTON ST E  
CHARLESTON WV 25305  
US

**VENDOR**

Vendor Customer Code:

Vendor Name : Alpha Associates, Incorporated

Address : 209 Prairie Avenue

Street : 209 Prairie Avenue

City : Morgantown

State : WV

Country : US

Zip : 26501

Principal Contact : Richard A. Colebank, PE, PS; President & COO

Vendor Contact Phone: (304) 296-8216

Extension: 102

**FOR INFORMATION CONTACT THE BUYER**

Melissa Pettrey  
(304) 558-0094  
melissa.k.pettrey@wv.gov

Vendor  
Signature X

FEIN# 550516286

DATE 30 May 2024

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



# West Virginia General Services

## Architectural/Engineering Services

### **CEOI 0211 GSD2400000006 – Elevator Modernizations at Multiple Facilities**

May 30, 2024



**Alpha Associates, Inc.**

**Morgantown, WV 26501 | Martinsburg, WV 25401**

**Richard Colebank, PE, PS; President & COO**

**304.296.8216 ext. 102**

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

**<http://thinkalphafirst.com>**



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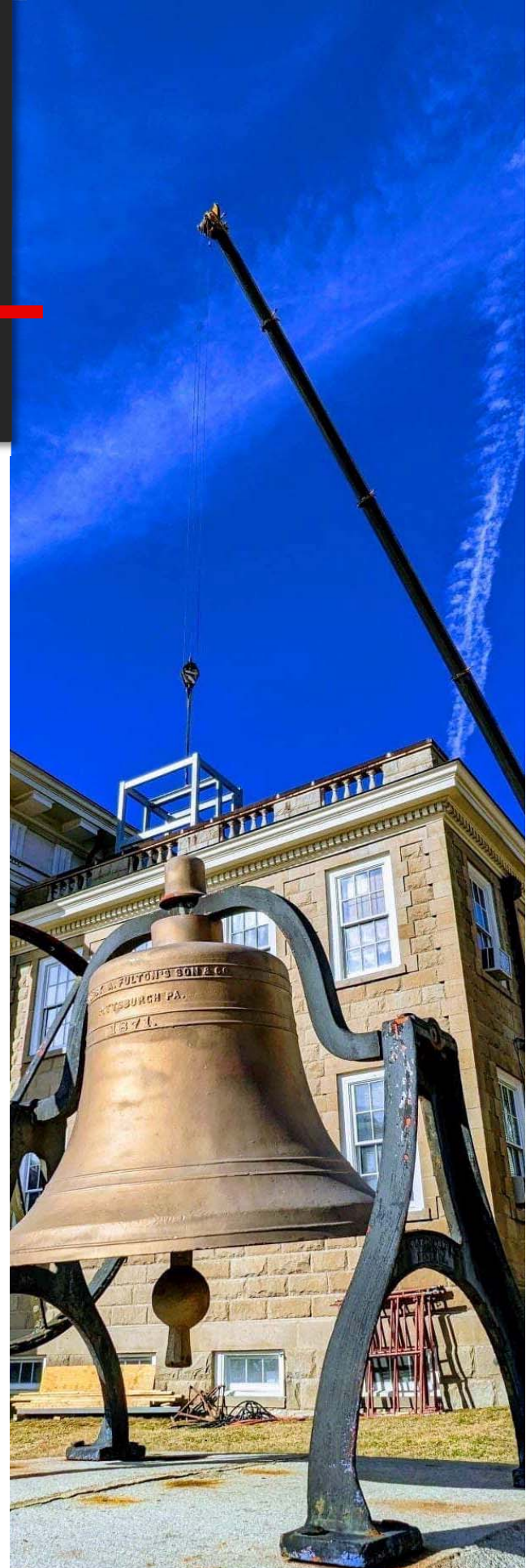
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# **SECTION A**

## **GENERAL FIRM INFORMATION**



**30 May 2024**

Department of Administration, Purchasing Division  
2019 Washington Street, East  
Charleston, WV 25305

Attn: Melissa Pettrey, Senior Buyer

**RE:           CEOI 0211 GSD2400000006 – Elevator Modernizations  
Multiple Facilities Project**

Dear Ms. Pettrey,

Alpha Associates, Incorporated is pleased to submit this expression of interest as an offer to provide professional architectural and engineering design services required, over the course of the given contract, to achieve the Agency's goal with addressing modernization of all Elevators indicated in Attachment A.

#### **PROJECT UNDERSTANDING**

This mission and/or purpose of this project is to provide survey and assessment reports on the conditions of all elevators indicated in Attachment A, including providing recommendations for the scope and timing of modernizations and providing estimated repair costs. From these assessment reports, and the Agency's subsequent determination of which repair projects to pursue, it is anticipated that there will be multiple construction bid packages to address assessed concerns, scheduled during the life of this contract to accommodate the Agency's budgetary tolerance. The Agency's goal over the contract is to address modernization of all Elevators.

#### **PROJECT EXPERIENCE**

Alpha has been providing elevator assessment reports and elevator modernization projects for 54+ years. Our team not only possesses the capabilities and experience required, but also the passion to provide the Department of Administration with the elevator surveys and assessments needed for



a safer environment for staff and West Virginia residents. We are committed to providing the Purchasing Division with a design team that will not only meet but will surpass your expectations. Elevator Modernization projects include:

- **Active!** West Virginia University, Health Sciences Center – South and North-end Elevator Assessment Reports; *Morgantown, WV*
- **Active!** North Elementary Connector, Monongalia County Schools; *Morgantown, WV*
- Wyoming County Courthouse Elevator Replacement; *Wyoming County, WV*
- MHS Elevator Replacement, Monongalia County Schools; *Morgantown, WV*
- Mapletown High Elevator; *Greensboro, PA*
- Building 770, West Virginia Regional Technical Park Elevator Renovation Concept

Alpha has extensive expertise and understanding in the design and renovation of Educational, Government and Commercial Facilities, having completed many projects across West Virginia. Alpha's 54+ years of experience included partnerships with numerous Federal, State, and local governments to provide architectural and engineering services for projects around West Virginia, including our recent ADA compliant elevator replacement project completed for the Wyoming County Commission at the Wyoming County Courthouse. Due to the building's historic nature, modifications and improvements were also made to the existing handrails that utilized original components. Alpha maintained the existing original wood staircase encircling the elevator. Other relevant project experience includes the evaluation, renovation, design, and construction of a variety of office spaces including Building 770 at the West Virginia Regional Technology Park in Charleston, West Virginia, as well as the West Virginia State Office Building in Clarksburg, West Virginia, the Monongalia County Sheriff's Building in Morgantown, WV, the renovation of the Monongalia County Family Court, and the recently finished headquarters for the West Virginia Division of Highways District 7 for a multipurpose building that accommodated four (4) different departments.

Currently, Alpha is engaged with West Virginia University, Health Sciences Center to provide an assessment and replacement project for both the North-end and South-end Elevators. These elevators range from four to nine floors and have not been replaced since the building was constructed. Our firm possesses the capabilities and motivation necessary to assist our clients with achieving all project goals whether they be formally stated before kick-off or noticed after completion. We will ensure that both budget and schedule are met while maintaining the goals for the project.

## PROPOSED STAFFING

**Richard Colebank, PE, PS** is the project's Principal-in-Charge. Bringing 40 years of experience, he will be responsible for overall management of the project and the coordination of partners and consultants.

**Rebecca Key, AIA, LEED-AP** is the Lead Design Architect and lead professional who will provide design services to ensure compliance with current AIA codes and standards during the elevator modernization projects.

**Charles Branch, PE** will work together with Rick Colebank and Todd Zachwieja to successfully direct the day-to-day operations of the project team including the Owner, Partners, and consultants.

**Todd Zachwieja, PE, CEM, LEED-AP**, founder of ZDS Design/Consulting Services, brings 45 years of experience involving the analysis, design, construction management and specifications needed for mechanical engineering, heating, ventilating, air conditioning, plumbing, fire protection, electrical and lighting, as well as indoor environmental quality analysis, and building system commissioning. He will also be working together with Rick Colebank and Chuck Branch to ensure the coordination of the structural and MEP engineering efforts with the architectural design.

**Charles Luttrell, PE** will be the primary designer for Alpha's structural engineering aspects of the project including all coordination with Architects and other consultants.

**Carol Stevens, PE, F.ASCE** is President of CAS Structural Engineering, Incorporated, and she will supplement Alpha's structural engineering for this project. She has completed work on several of the buildings on the Capitol Campus over the years.

## PROJECT DESIGN TEAM

**Alpha Associates, Incorporated** is a West Virginia owned and operated architectural and engineering design firm with office locations in Morgantown and Martinsburg. Alpha's in-house combination of architectural design, civil and structural engineering will prove to be beneficial to your project. This project will be managed by Alpha's Corporate Office in Morgantown, WV.

**CAS Structural Engineering, Incorporated** is an award-winning, West Virginia Certified Disadvantage Business Enterprise structural engineering firm with only ten (10) years in business, but over 20 years of experience! Carol is certified by the Structural Engineering Certification Board for experience in structural engineering.

**ZDS Design/Consulting Services** – a team of experienced professionals who excel at tackling today's engineering challenges. Their reputation has been built on not shying away from a problem and their persistence, expertise, and team of critical thinkers are what's led to their success. At the

end of the day, they are problem solvers. Their mission, and ours, is to create healthy, inviting, and inspiring environments to enable their clients to pursue their passions.

Our professional staff includes architects, civil and structural engineers, surveyors, cost estimators, field service representatives, landscape designers, interior designers, and technicians. We are well equipped to effectively and efficiently manage and produce your proposed project.

## **PROPOSED SCHEDULE**

Elevator assessment to be broken down into geographical areas and assessed per building. It is anticipated that there will be a minimum of 10 groupings.

Each group shall take 1 to 3 days to perform a complete on-site assessment of the shaft and structural conditions, machine rooms and operators, mechanical and electrical conditions in addition to the elevator controls, cab, hydraulics, and/or relay systems, cabling, etc.

Thereafter, a condition report for each group broken down by elevator unit shall be completed within 1 to 2 weeks of the initial assessment. The report shall also include an estimated cost of repair and/or replacement based upon needs. It is assumed that not all elevators shall need repair or replacement, and the report shall note that finding.

Once the General Services Division along with the design team determines the priorities of repair and/or replacement, a design and construction document schedule could be developed.

## **SUMMARY**

The Alpha Team looks forward to building a successful relationship with the General Services Division by providing client-centered design solutions. If you have any questions or wish to further discuss this project, please contact me at (304) 296-8216 ext. 102. We look forward to presenting our qualifications to you in a formal interview.

Sincerely,

***ALPHA ASSOCIATES, INCORPORATED***



Richard A. Colebank, PE, PS  
President and COO  
rick.colebank@thinkalphafirst.com  
304.296.8216 ext. 102



Two West Virginia Owned and Operated offices in Morgantown and Martinsburg which offer multiple in-house services. Everyone at Alpha Associates, Inc. shares the same goal of exceeding expectations and successfully accomplishing projects.

## Architecture

*Commercial*

*Public*

*Private*

*Residential*

## Civil/Structural Engineering

*Enhance*

*Conservational*

*Leadership*

## Surveying

*Accurate*

*Clearly Communicated*

*State-of-the-Art*

Alpha's clients are served by a local, unique combination of professionals who provide top-notch architectural design, civil engineering and structural engineering. The Alpha design experience begins with the design staff listening, interpreting, reviewing and designing what you, the client, wants. The conclusion of the design process is not the end of Alpha's involvement in your project. Alpha's staff will stay involved until your project is constructed.

*"The engineer always has been, and is, a maker of history."*

- James Kip Fitch

Throughout Alpha's decades of practice, our architects and engineers work closely, making history every day. With support from the Alpha Team, one can truly create a sense of place and a proper environment for the built atmosphere.

The firm mantra has always been to "*do good work*" and that philosophy is carried on today.





West Virginia University – Armstrong Hall Roofing Project

*“Creating client-focused,  
innovation designs with  
quality and value that  
are sustainable and  
cost-effective”*

**LOCATIONS:**

209 Prairie Avenue  
Morgantown, WV 26501  
304.296.8216

535 West King Street  
Martinsburg, WV 25401  
304.264.0051

**WEBSITE:**

<https://thinkalphafirst.com/>

**EMPLOYEES:**

21

Webster's dictionary defines Alpha as "the first, the beginning". In the case of Alpha, the beginning was 1969 and the location was Morgantown, West Virginia. Since 1969, Alpha has earned a reputation for producing exceptional architectural and engineering designs for high profile organizations. By 1995, Alpha's client base had grown, demanding the need for a second location. The Eastern Panhandle of West Virginia was selected and the planning began.

The Eastern Regional Office is located in Historic Downtown Martinsburg and is conveniently located to serve clients in West Virginia, Maryland, Virginia and Pennsylvania. We continue to raise the bar with a design studio of cross-disciplined professionals that embrace technology and innovation while treating you, the client, with respect and dignity.

As you travel through the region, you will find Alpha's influence on the built environment, especially in West Virginia. Alpha's local project success reflects an architectural studio which encourages creativity and flexibility. Continuing the focus of success, Alpha's architectural and engineering teams are experts with the planning of solutions for complex issues even before facing them head-on. Alpha's team consists of industry leaders, consistently being called upon for advice and guidance for the future. Alpha Associates, Inc. will surpass all expectations while maximizing the client's, your, vision.

With our client-first mission, we design spaces for now and the future.

Think Alpha First!

# PROVIDING STRUCTURAL ENGINEERING SOLUTIONS FOR YESTERDAY, TODAY AND TOMORROW



## CAS Structural Engineering, Inc.

Carol A. Stevens, PE is the firm President, bringing **30+** years of experience in the building structures field, working both here in West Virginia and in the York, Pennsylvania vicinity. Carol is **certified by the Structural Engineering Certification Board** for experience in the field of structural engineering. CAS Structural Engineering, Inc. maintains a professional liability insurance policy.



### Government Facilities

(including Institutional & Educational Facilities)



### Industrial Facilities



### Commercial Facilities

## Firm Profile

Projects range from new design and construction, additions, renovations, adaptative reuse, repairs and historic preservation (including use of The Secretary of the Interior's Standards for Rehabilitation) to evaluation studies/reports and analysis.

CAS Structural Engineering utilizes AutoCAD for drawing production and Enercalc and RISA 2D and 3D engineering software programs for design and analysis. Structural systems designed and analyzed have included reinforced concrete, masonry, precast concrete, structural steel, light gauge steel and timber.

PO Box 469 • Alum Creek, WV 25003-0469    **PHONE** 304-756-2564    **FAX** 304-756-2565    **WEB** [www.casstruceng.com](http://www.casstruceng.com)

PROVIDING STRUCTURAL ENGINEERING SOLUTIONS FOR YESTERDAY, TODAY AND TOMORROW  
COMMERCIAL, GOVERNMENTAL AND INDUSTRIAL STRUCTURAL DESIGN, ANALYSIS AND RESTORATION  
A WEST VIRGINIA CERTIFIED DBE CONSULTANT • CERTIFIED IN THE PRACTICE OF STRUCTURAL ENGINEERING

WV VA KY OH MD PA



**ZDS Design/Consulting Services** is a three-generation family owned MEP/Commissioning Engineering Firm located near Charleston, West Virginia. ZDS provides comprehensive professional services for Master Planning/Feasibility Studies, HVAC, Plumbing, Electrical, Indoor Environmental Quality, Energy Engineering, Forensic Engineering and Commissioning. ZDS has extensive proven high performance building design experience for commercial, governmental, healthcare and educational facilities in 25 states across the country, the State of West Virginia, local government and Federal agencies. Specializing in renovation projects with **proven results of from 30% to over 60% reduction in energy/operating costs** earning Energy Star Certification and EPA Act qualified on government renovation projects!

- ◆ Mechanical
- ◆ Electrical
- ◆ Plumbing
- ◆ Fire Protection
- ◆ Forensic
- ◆ Peer Review
- ◆ 3D Scan-to BIM
- ◆ Commissioning
- ◆ Indoor Environmental Quality (IAQ/IEQ)
- ◆ High Performance Sustainable Buildings

The ZDS team is made up of **seasoned professionals** who have dedicated their careers to engineering design excellence and quality. We pride ourselves in having the most up to date state of the art technology to provide our clients the very best possible services. We offer **comprehensive** practical solutions to our clients with proven World Class results.



## COMPANY LEGAL NAME

**ZDS Limited Liability Company  
dba ZDS Design/Consulting Services**

## OFFICE LOCATION

**135 Corporate Center Drive, Suite 532  
Scott Depot, WV 25560**

## FOUNDERS

**Todd A. Zachwieja, P.E., C.E.O.**

**Lori L. Zachwieja, C.P.A., C.F.O.**

**Daniel H. Kim, Ph.D.**



**“Family Owned & Operated Engineering Firm  
providing Professional Design Services for 30 years”**



# STATEMENT OF QUALIFICATIONS.

Alpha Associates, Incorporated is a local, West Virginia based Architectural/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 technological tools, dedicated principals and highly skilled staff members. Alpha's work is diverse and includes clients in commercial, educational and government facilities, developers and private organizations.

Since 1969, Alpha's team provided architectural/engineering design services throughout the State and surrounding areas. For over 54+ years, we have worked with numerous local, state, and federal government entities on multiple projects of varying sizes and types. No project is too big or too small for us. Our team of licensed architects and engineers have recent, relevant experience with land assessment, civil/site planning, schematic and design layout, document preparation, and construction/bid administration to complete projects seamlessly.

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 take every step necessary to successfully complete and surpass a given project. We act in the client's best interest.

Everyone at Alpha, no matter the given role, all work towards the same goal of achieving success for not the project but the client too. Our principals are involved with all projects from the earliest stages through to the final completion and even beyond. They will consistently update you on your projects by using effective communication tools to manage the projects and all involved parties. Our skilled staff of architects, engineers, surveyors and administrative personnel at Alpha are professionals dedicated to providing superior services to the State of West Virginia and surrounding areas. While our staff is large enough to handle any size project, our firm is also capable of being small enough to give each and every one of our projects the individual attention to details it deserves. Alpha's local and unique approach to projects ensures success for all our clientele.



**SECTION B**  
**TECHNICAL EXPERTISE**

# SCHEDULE & BUDGET.

## Project Track Record

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; however, the determining factor is the tools a firm utilizes to achieve the budgets, in regards to funds at that time. Alpha utilizes a number of both traditional & modern tools to exceed our client's expectations.

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

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

## Successful Project Management/Schedule

Successful project management depends on consensus regarding work efforts, milestones and goals. Our team has found the development of detailed work plans, which delineate tasks and deliverables for each project phase, in consort with the client and full project team, is the most effective approach with establishing expectations of 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 the Owner and user reviews, comments and/or approvals.

Developing an overall project schedule is a critical task that must take account of many factors: building type, owner's desired occupancy, scope of work & level of documentation, whether contract(s) is bid or negotiable, available fee, and experiences on similar projects. Once the design process begins, a comprehensive, realistic project schedule can be developed and communicated to all involved.

In a world where "time is money", the schedule of a project is as important as controlling the cost. Alpha works diligently to control the budget of a project and avoid the "scope creep" which can occur.

## Alpha's Unique In-House Features

Alpha's in-house cost estimators combined with our excellent relationships with contractors throughout the State provides the client with the most 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 which can be carried through each of the project phases. At each phase, the estimate is updated to include a more detailed evaluation for enhanced accuracy. When updating estimates, specific increases or decreases can be identified allowing the owner to make informed decisions on important budget issues for the project.

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



# CAPACITY & SOFTWARE

## OUR CAPABILITIES

Alpha Associates, Incorporated is prepared to commit staff and resources to your 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 you with a committed and dependable design team. Our multidisciplinary design team is prepared to meet and exceed the expectations for your project by committing any resources necessary to meet the project schedule.

## USING THE LATEST SOFTWARE

The project team incorporates the latest computer and software capabilities required to complete the working drawings and specifications of 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:

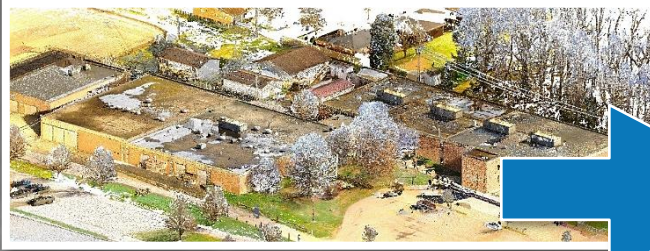
- α AutoCAD24
- α REVIT
- α Civil 3D
- α RISA 3D
- α RISA Foundation
- α MathCAD Prime
- α DJI Phantom 4 RTK Drone
- α Office 365
- α Autodesk Civil 3D
- α Autodesk Suite
- α Autodesk Revit
- α Bentley Open Bridge Modeler & Designer
- α Enercalc
- α AutoTURN
- α TopCON GR5 GPS System
- α TopCON Total Station with Reflector-less Capabilities
- α Carlson Surveyor & Data Collector





# 3D Scan to BIM Services

## BIM Collaboration

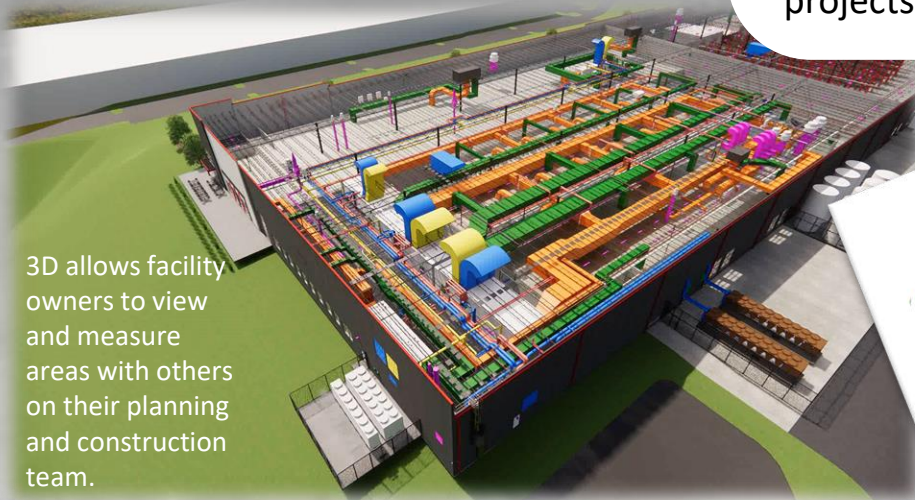


3D Laser  
Scanning

### Why 3D Laser Scanning is Better

3D laser scans can benefit renovation projects by capturing built conditions to allow all stakeholders to revisit building areas via team meetings as often as needed, reducing the unknowns and improving quality. 3D laser scans also provide superior details with data that is more comprehensive.

“With the 3D laser scanning service, ZDS saved me countless hours communicating with all project team members, even those who work or live far away. Also, we now have an accurate record of the existing conditions that we can rely on for future projects.” - Retired COO of WV DHHR



3D allows facility owners to view and measure areas with others on their planning and construction team.



**Real-time, anytime, anywhere access with co-authoring ability!**  
Brings **teams** together for the highest level of collaboration.



# FUNDING EXPERIENCE

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Throughout our 54 years of business, Alpha Associates, Incorporated has worked with multiple funding agencies on projects, including State and Federal dollars. Our funding experience includes:

- State and Federal ARRA Funds
- West Virginia Infrastructure Loan Program
- HUD Grants and Loans
- West Virginia Economic Development Grants and Loans
- Transportation Enhancement Grants
- West Virginia State Historic Preservation Office Funds
- Small Cities Block Grants
- Tax Increment Financing
- BIG Grant (Boating Infrastructure Grant)
- USDA Rural Development/Rural Utility Service- Grants and Loans
- ARC
- School Building Authority of West Virginia
- WV DEP Revolving Loan Fund
- WV Bureau of Health Clean Water Loan Fund
- Private Bond Sales





# LEED/SUSTAINABILITY

As the intellectual landscape of the new century becomes more and more environmentally conscious, there is increasing demand to see this attitude reflected in the “built environment” with which we surround ourselves. The measure of a project’s success is increasingly dependent on its environmental, as well as economic and social innovation. A truly holistic approach to sustainable design must recognize the impacts of every design choice on natural and cultural resources. Aside from being attractive and enjoyable for humans, sustainable projects promote biological diversity, contribute to the quality of the air and water and reduce the impacts of construction and human use to help preserve the planet for future generations.

Alpha Associates, Incorporated understands the importance of sustaining the environment for future generations. Alpha works closely with the client to determine the level of environmental impact that the project will have. For example, Alpha works very hard to preserve and reuse equipment and building materials where necessary. Projects that have been designed include reuse of elements from stained glass windows to commercial cafeteria equipment.

Our Design Team will make sure your facility is designed with cost effective, energy conserving features. Where appropriate, we provide the ability to obtain any level of LEED Certification that you may desire, or we can simply utilize the principals of sustainable design to benefit your project.



Alpha Associates’ team consists of professional staff members who are LEED Accredited Professionals with projects that are LEED registered including the FBOP Hazelton Facility and the State Office Building in Clarksburg, WV.



# MEET THE ALPHA TEAM.

---

## MANAGERS

**Richard W. Klein**  
PE, PS  
Chairman

**Richard A. Colebank**  
PE, PS  
President & COO

## ARCHITECTURE

**Rebecca Key**  
AIA-LEED-AP  
Director of  
Architecture

**Casey Smith**  
AIA Associate  
Architectural  
Designer

**Todd Lewis**  
AIA Associate  
Architectural  
Technician

**Alex Haill**  
Construction  
Administration

## CIVIL ENGINEERING

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

**Bradley Casdorff**  
PE, PS  
Civil Engineer

**Tom Simpson**  
PE  
Civil Engineer

**David Costello Jr.**  
PS  
Manager of Surveying

**Julie Frazee**  
Engineering  
Technician

**Kevin McClung**  
Engineering  
Technician

**Barbara Kerns**  
Survey Crew  
Representative

**Nick Perry**  
Survey Crew

## STRUCTURAL ENGINEERING

**Charles Luttrell**  
PE, Senior Principal  
Senior Structural Engineer

**Matthew Echard**  
PE, Principal  
Structural Engineer

**Cody Antoon**  
Engineering  
Technician

## OFFICE ADMINISTRATION

**Heather Fox**  
Business Manager

**Alexis Petrovsky**  
Marketing Coordinator

**Kim Coolmer**  
Administrative Assistant

# **SECTION C**

## **MANAGEMENT AND STAFFING CAPABILITIES**

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# EXPERIENCE OF KEY PERSONNEL

Key Personnel <i>Role</i>	Description of Role	Licensed Architect/Engineer	Construction Administrator	Work w/ Similar Project/Scope	Experienced with BIM
<b>Richard “Rick” Colebank, PE, PS</b> <i>Managing Principal</i> Alpha Associates, Inc.	Mr. Colebank is responsible for overall management of the project and the coordination of partners and consultants. He is the spokesman for the team and will be involved from inception to completion of the project, bringing his 40 years of experience for project benefit.	X		X	
<b>Rebecca Key, AIA, LEED-AP</b> <i>Design Architect</i> Alpha Associates, Inc.	Ms. Key is the Project Architect and the lead professional who will provide design services to ensure compliance with current AIA codes and standards during the elevator replacement projects.	X		X	X
<b>Charles “Chuck” Branch, PE</b> <i>Co-Project Manager, Civil Engineer</i> Alpha Associates, Inc.	Mr. Branch will work hand in hand with Mr. Colebank and Mr. Zachwieja to successfully direct the day-to-day operations of the project team including the Owner, Partners and consultants. He will also provide civil engineering services.	X		X	
<b>Charles “Charlie” Luttrell, PE</b> <i>Lead Structural Engineer</i> Alpha Associates, Inc.	Mr. Luttrell will provide leadership of the structural team directing major decisions regarding the design and construction of the structural systems and will ensure QA/QC procedures are maintained.	X		X	
<b>Carol Stevens, PE, F.ASCE</b> <i>Structural Engineer</i> CAS Structural Engineering, Inc.	Ms. Stevens will also provide leadership and supplement Alpha's structural team. U@/A/ia * a * A c^! AEA^æ• A ~ ^e] ^!a} & A A c@ A qaa * Ad^ &c!^• Aa]aE U@ A q]A^ca, â^•â} A [! \A and ensure QA/QC procedures are maintained.	X		X	
<b>Matthew Echard, PE</b> <i>Structural Engineer</i> Alpha Associates, Inc.	Mr. Echard will assist with structural services, regarding design and construction of structural systems while ensuring Alpha offers a suitable, up to code, structurally sound solution.	X		X	
<b>Todd Zachwieja, PE, CEM, LEED AP</b> <i>Co-Project Manager</i> ZDS	As Co-Project Manager, Todd will ensure the coordination of the structural and MEP engineering efforts with the architectural design. Todd will lead the team's efforts, bringing his 45 years of experience in MEP design, construction and commissioning to benefit the project.	X		X	

# EXPERIENCE OF KEY PERSONNEL

Key Personnel <i>Role</i>	Description of Role	Licensed Architect/Engineer	Construction Administrator	Work w/ Similar Project/Scope	Experienced with BIM
<b>Ted Zachwieja III, PE, CEM</b> <i>Lead Civil Engineer</i> ZDS	As Lead Civil Engineer, Ted will be responsible for the design of the ^ ^ & ^ systems for this project. He will coordinate with the Design Team to meet the expectations of this project. He will be responsible for the production of plans and specifications for the ^ ^ & ^ systems to ensure the design developed by the team will be executed properly.	X		X	X
<b>David Cotton, PE, LEED AP BD+C</b> <i>Lead Mechanical Engineer</i> ZDS	As Lead Mechanical Engineer, Paul brings 18+ years of experience in design and construction to this project. He will collaborate with fellow engineers, architects, owners, contractors, code officials and vendors to meet the goals and objectives.	X		X	
<b>Mark Estep, PE</b> <i>Electrical Engineer</i> ZDS	As an Electrical Engineer, Mark will work with the architects, civil and structural engineers to coordinate design and construction documents. He will be responsible for project specifications and submittal review. He designs solutions that incorporate essential and functional needs.	X		X	
<b>Alex Haill</b> <i>Construction Administration</i> Alpha Associates, Inc.	Alex will be the primary direct contact for information flow during construction of the project including receipt, distribution, returns of RFI's, Shop Drawings, and other submittals. He will periodically inspect the project and file reports on the progress and concerns during the construction. He will lead the construction administration team.		X	X	



# Richard Colebank PE, PS

## PRESIDENT & COO

### SUMMARY

Mr. Colebank is President and Chief Operating Officer at Alpha. He has been with Alpha Associates, Inc. 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 by Alpha. In his current capacity, Mr. Colebank provides financial and administrative guidance for the day-to-day operations of the company while managing projects.

### PROFILE

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

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

### PROFESSIONAL HIGHLIGHTS

#### Project Principal

Morgantown Municipal Airport Access Rd; Morgantown, WV  
 Mon General Access Rd; Morgantown, WV  
 WVU Reedsville Farm Redevelopment; Reedsville, WV  
 Monongalia General Hospital Access Road; Morgantown, WV  
 DOH Martinsburg Train Station Corridor Streetscape; Martinsburg, WV  
 WV State Office Building; Parkersburg, WV  
 College of Physical Activity & Sports Science; Morgantown, WV  
 WVDOH Open End Engineering Contract; WV  
 WVDOH Deckers Creek Pedestrian Bridge; Morgantown, WV  
 Clarksburg State Office Building; Clarksburg, WV  
 Jane Lew Truck Stop; Jane Lew, WV  
 Grant County Bank Addition & Renovation; Petersburg, WV  
 South Berkeley Fire Station; Inwood, WV

### EMPLOYMENT HISTORY

1985-Current | Alpha Associates, Inc.  
 1983-1985 | Charles Townes & Assoc. P.C.  
 1983 | US Army Corps of Engineers

### EDUCATION

MA Business Administration | 1999  
 BA Civil Engineering | 1982

### QUALIFICATIONS

- License: Professional Engineer: West Virginia, Maryland, Pennsylvania, and Virginia
- Professional Surveyor: West Virginia
- Certified Private Pilot

### AFFILIATIONS

- Former NSPE/PEPP Governor of WV
- American Red Cross - State Board
- University High School Foundation; Charter Member; President
- Morgantown Area Chamber of Commerce; Past Chairman
- WVU College of Civil & Environmental Engineering Visiting Committee
- WVU College of Business & Economics MBA Advisory Committee
- WVU 2023 Academy of Civil Engineers



# Rebecca Key AIA, LEED AP

## DIRECTOR OF ARCHITECTURE

### 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, Inc. 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.

### PROFILE

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

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

### PROFESSIONAL HIGHLIGHTS

#### Education:

North Elementary School Connector; Morgantown, WV  
Mountaineer Middle School; Morgantown, WV  
Pineville Elementary School; Pineville, WV  
Washington High School; Charles Town, WV

#### Historic Renovations:

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

#### Recreation:

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

#### Dormitory & Multi-Family:

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

#### Municipal & State Government:

WV State Office Building; Clarksburg, WV  
Mon County Family Court Renovation; Morgantown, WV  
Mon County Sheriff's Department; Morgantown, WV  
Norwood Fire Station; Morgantown, WV  
WV State Office Building 25; Parkersburg, WV

### EMPLOYMENT HISTORY

2000-Current | Alpha Associates, Inc.  
1983-1999 | Alexander Key & Associates  
11978-1983 | Webster Clothes; Director of Store Planning

### EDUCATION

BA Architecture | 1977  
Coursework in Furniture Design | 1986-87

### QUALIFICATIONS

- License: Professional Architect: Maryland, New York, Virginia, Washington DC, and West Virginia
- 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
- US Green Building Council
- AIA Liveable Communities
- Leadership Kanawha Valley Class of 2014





# Charles Branch PE

SENIOR 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 solely 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 Health Sciences Center Eastern Division; Martinsburg, WV  
 WVDOH Martinsburg Train Station Corridor Streetscape; Martinsburg, WV  
 WVDOH I-77 Welcome Center; Williamstown, WV  
 WV Medal of Honor Recipients Plaza; Hazleton, WV  
 Lewis County High School Bridge; Weston, WV  
 Wyoming County Route 10 Relocation; Wyoming County, WV  
 Fairmont Federal Credit Union; Bridgeport, WV  
 Queen St Underpass; Martinsburg, WV  
 Martinsburg Little League Fields; Martinsburg, WV

## EMPLOYMENT HISTORY

1992-Current | Alpha Associates, Inc.  
 1988-1992 | Reimer, Muegge & Assoc., Inc.

## EDUCATION

MA Civil Engineering | 2000  
 BA Architectural Engineering  
 Technology | 1988

## QUALIFICATIONS

- License: Professional Engineer: West Virginia

## AFFILIATIONS

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





# Charles Luttrell PE

**SENIOR PRINCIPAL & STRUCTURAL ENGINEER**

## 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 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:**

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

## PROFESSIONAL HIGHLIGHTS

### Structural Engineer:

Freedom Automotive Group 3 Dealerships; Morgantown, WV  
 Hazel Ruby McQuain Equine Education & Resource Center; WVU  
 WVDOT Arnettsville Replacement Bridge; Morgantown, WV  
 Clarksburg State Office Building; Clarksburg, 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  
 Shepherd University Pedestrian Underpass; Shepherdstown, WV  
 Washington High School; Charles Town, WV  
 WVU Coliseum Structural Inspection; Morgantown, WV  
 Alderson Broaddus College, Rex Pyles Arena Deck; Phillipi, WV  
 Monongalia County Sheriff's Building; Morgantown, WV  
 South High Street Bridge; Morgantown, WV  
 Ices Ferry Bridge; Morgantown, WV  
 Matthews Foundry Structural Evaluation; Martinsburg, WV  
 Martinsburg Little League Fields; Martinsburg, WV  
 Martinsburg WWTP; Martinsburg, WV  
 Queen St. Underpass; Martinsburg, WV  
 Winchester & Western RR Rt. 11 Bridge; Martinsburg, WV

## EMPLOYMENT HISTORY

1996-Current | Alpha Associates, Inc.  
 1995-1996 | Larry D. Luttrell, PE, PhD  
 1991-1994 | West Virginia University  
 1990-1991 | WVU Constructed Facilities Center

## EDUCATION

MA Structural Engineering | 1995  
 BA 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 & Concrete Deck

- Line Load Behavior/Failures
- Concentrated Load Behavior/Failures
- Web Crippling
- Punch Failures



# Matthew Echard PE

## PRINCIPAL & STRUCTURAL ENGINEER

### 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 Mid-West, Mr. Echard returned to West Virginia to provide world-class service in a historically unreserved region while making positive contributions to his home state. Mr. Echard places a large value on 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.

### PROFILE

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

- Structural Engineering & Forensics
- Design Management
- Construction Optimization
- New Business & Client Development

#### Current research area(s):

- Next generation sustainability strategies in design & construction

### PROFESSIONAL HIGHLIGHTS

#### Pedestrian Bridges:

Coopers Rock Overlook Bridge Replacement; Monongalia Co., WV  
Deckers Creek Rail-Trail Pedestrian Bridge; Morgantown, WV  
Harvard U Allston Science Complex (HSAC); Boston, MA\*

#### Buildings:

Burj Daman (60 stories); DIFC, Dubai, UAE\*  
Columbar Center Parcel 16 (34 stories); Boston, MA\*  
Continuities of the Incomplete, Museum of Modern Art; Los Angeles, CA\*  
Falmouth High School Renovations & New Gymnasium; Falmouth, MA\*  
HASC Building 1 (8 stories); Harvard U, Boston, MA\*  
Logan Airport Central Parking Garage and Expansion; Boston, MA\*  
ND Paper Hydrapulper Expansion; Fairmont, WV  
WVDOH District 7 Multi-purpose & Lab Buildings; Roanoke, WV

\* project experience at previous firms

### EMPLOYMENT HISTORY

2016-Current | Alpha Associates, Inc.  
2010-2015 | Echard ingenieruBüro  
2006-2009 | Buro Happold Consulting Engr.  
2003-2006 | Risa Technologies, Inc.  
2000-2003 | Zaldastani Associates, Inc.

### EDUCATION

MA Engineering & Environ. Mechanics | 2002  
BA Civil Engineering | 2000

### QUALIFICATIONS

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

### AFFILIATIONS

- American Concrete Institute
- American Institute of Steel Construction
- American Society of Civil Engineers
- American Wood Council

### PUBLICATIONS

- Echard, M. & Tonis, D. Convergent Design Methodology for Bio-Science Labs: Architectonic and Performative Structural Considerations Using Geilinger Composite Column Solution. ICSA2010 International Conference on Structures and Architecture, 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

# Carol A. Stevens, PE, F.ASCE

## Structural Engineer



### **EDUCATION**

West Virginia University, BSCE, 1984

Chi Epsilon National Civil Engineering Honorary

The Pennsylvania State University, ME Eng Sci, 1989

### **PROFESSIONAL REGISTRATION**

P.E. 1990 Pennsylvania

P.E. 1991 West Virginia

P.E. 1994 Maryland

P.E. 2008 Ohio

P.E. 2010 Kentucky

P.E. 2013 Virginia

### **BACKGROUND SUMMARY**

2001 – Present President, Structural Engineer  
CAS Structural Engineering, Inc.

1999 – 2001 Structural Engineer  
Clingenpeel/McBrayer & Assoc, Inc.

1996 – 1999 Transportation Department Manager  
Structural Engineer  
Chapman Technical Group, Inc.

1995 – 1996 Structural Engineer  
Alpha Associates, Inc.

1988 – 1995 Structural Department Manager  
Structural Engineer  
NuTec Design Associates, Inc.

1982 – 1988 Engineer  
AAI Corporation, Inc.

### **PROFESSIONAL ASSOCIATIONS**

American Society of Civil Engineers

National Society of Professional Engineers

American Concrete Institute

American Institute of Steel Construction

West Virginia University Department of Civil and  
Environmental Engineering Advisory Committee

West Virginia University Institute of Technology

Department of Civil Engineering Advisory Committee

West Virginia Professional Engineers Board Member

### **EXPERIENCE**

**West Virginia, Public Service Commission:** Completed investigation of exterior facade issues related to water infiltration, flashing degradation and potential design issues.

#### **West Virginia, Building 22 Elevator Machine Room**

**Addition:** Completed design of addition to rooftop elevator machine room to provide required space for new equipment and improve access to machine room.

#### **West Virginia, Building 20 Elevator Replacement:**

Completed design of renovations to existing elevator shaft and machine room for installation of new elevator. Project also included providing new access to the lower roof through an existing window opening in a masonry wall.

#### **West Virginia, Main Capitol Building Hydraulic Elevator:**

Completed design for addition of a hydraulic elevator in the basement of the Main Capitol Building.

#### **West Virginia, Buildings 7 Elevator Replacement:**

Investigation and development of construction documents for new elevators.

#### **West Virginia, State Capitol Complex, Capitol Cafeteria:**

Investigated problems with support of structure above glass window walls and developed repair solution.

#### **West Virginia, State Capitol Complex, Dome Structure:**

Exploratory investigation, preparation of construction documents for repairs to structural steel in Capitol Dome.

#### **West Virginia, State Capitol Complex, Building 3:**

Structural design and construction administration of repairs and renovations to limestone canopy.

#### **West Virginia, State Capitol Complex, Main Capitol**

**Building Parapet:** Exploratory investigation of limestone/brick parapet/balustrade of Main Capitol Building to determine cause of movement/cracking/leaks. Produced drawings for construction repairs.



Todd has over 45 years of experience involving the analysis, design, construction management and specifications for mechanical engineering, heating, ventilating, air conditioning, plumbing, fire protection, electrical and lighting, as well as indoor environmental quality analysis, building system commissioning and forensic engineering for educational, governmental, military, commercial, industrial and health care clients. He is also recognized as a campus master planner for utility infrastructure providing master planning for the Technology Park in South Charleston and at many Universities, hospitals and the State of WV Capitol Complex.

Prior to starting a consulting engineering firm, Todd Zachwieja coordinated comprehensive energy conservation programs resulting in annual energy savings of millions of dollars. He has managed a profitable regional office for one of the country's largest energy companies that service the southeastern United States. Todd also developed computer modeling programs for building energy analysis and monitoring. He has been invited as an industry leader to present technical papers and speak at professional conferences both regionally and nationally.

Todd selected and designed the pilot project for one of the largest geothermal heat pump applications in the Eastern US including designing custom geothermal rooftop AHU's. He has retro-commissioned HVAC systems for millions of square-feet for facilities located in 10 states. He has been involved with many commercial, healthcare and industrial structures including high-rise building renovations. Todd designed renovations to many facilities which received **Energy Star Certifications** placing them in the nation's top 25% for energy efficiency. *The College Planning and Management Magazine* featured Todd and his work with a major University for the performance contracting programs that save millions of dollars in energy and operating costs. Most projects also qualified for EPA's which requires buildings use over 50% less energy than buildings designed using ASHRAE 90.1.


## GOVERNMENT/COMMERCIAL PROJECT EXPERIENCE

- Bank One/Chase Towers
- Bayer Material Science
- Calvert County Aquatic Center, MD
- Charleston Area Medical Center
- Chief Medical Examiners Office Retrofit
- Culture Center, HVAC & Fire Protection, WV State Capitol Complex
- General Motors Corp. Re-commissioning
- Harvard University Research Laboratory
- Hopemont Hospital, WVDHHR
- Jackie Withrow Hospital, WVDHHR
- Jackson County Courthouse Annex
- Kanawha County Commission: Judicial Annex additions/renovations
- Kanawha County Courthouse
- Mercer County Schools
- Mildred Mitchell Bateman Hospital
- Kanawha County Schools
- Laidley Towers
- Marshall University
- Mercer County Courthouse Annex
- Olin Corporation
- Pocahontas County 911/EMS Center
- Public Service Commission of WV
- Raleigh County Schools
- Rhone-Poulenc
- Roane General Hospital
- Robinson Grand Performing Arts Theatre
- Santa Anna Federal Building, CA
- Tyler County Courthouse
- Tyler County 911 Center - **Net Zero**
- Tyler County Schools
- Toyota Motor Manufacturer, WV Inc.
- UC Davis Veterinary Medicine, CA
- Union Carbide/DOW
- United Center
- University of Charleston Innovation Ctr
- William R. Sharpe, Jr. Hospital, WVDHHR
- Word Trade Center, MD
- WV Air National Guard including Cx Fuel Cell/ Maintenance Hangars at Yeager Airport - **LEED Silver Certified**
- WV Army National Guard
- WV Capitol Complex Renovations
- WVDHHR - State-wide hospitals
- WV DOH Testing Lab
- WV Division of Natural Resources
- WV Division of Protective Services
- WV Higher Education Authority
- WV General Services Division
- WV State Capitol Complex renovations
- WVU Health System



## PROFESSIONAL REGISTRATIONS


Professional Engineer:

Florida 

Georgia 

Kentucky 


Maryland 

North Carolina 

Ohio 

Pennsylvania 

South Carolina 

Virginia 


West Virginia 

Fire Investigation Certification under the direction of Peter Vallas, Sr.



Certified Energy Manager

(C.E.M.) National

Certification No. 



LEED Accredited Professional,

National Certification through

USGBC No. 

## EDUCATION

Masters of Science in Engineering  
Management from West Virginia University  
College of Graduate Studies.

Bachelor of Science in Mechanical  
Engineering from West Virginia  
Institute of Technology.

## PROFESSIONAL AND COMMUNITY AFFILIATIONS

**Past President 2013-14, current Governor** - WV ASHRAE Chapter, Served as ASHRAE's Energy and Technical Affairs Chairman for six years. Recognized by ASHRAE Region VII in 2014 with the David Levine Award of Excellence, Presidential Award of Excellence,

Recognized by the International Who's Who of Professionals

Recognized nationally as West Virginia's Business Man of the Year

Recognized by AEE nationally in 2007 as a Legend in Energy

Recognized by AEE nationally in 2008 as a Charter Legend in Energy

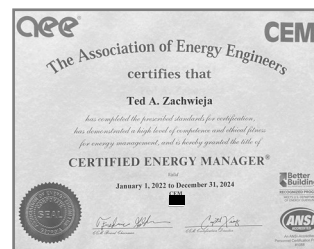
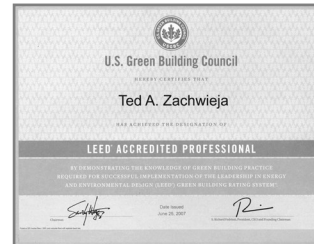
Charter Life Member of the Association of Energy Engineers

Professional Affiliate Member of the American Institute of Architecture

Associate Member West Virginia Society for Healthcare Engineering

Member of the International Code Council

Member of the National Society of Professional Engineers



## OTHER RECOGNITIONS

Selected by WVU and the WV Division of Energy to train Code officials and the design community on ASHRAE 90.1 State Energy Code

Presented at regional and national conferences including the annual National System Commissioning Conference

Contributing editor and served on the Editorial Review Panel for *"The Handbook of Building Management and Indoor Air Quality"*

Contributing editor *"Ventilation for a Quality Dining Experience"*

Contributing editor and served on the Editorial Review Panel for *INvironment Professional, Power Prescriptions* and other publications and articles featuring Indoor Air Quality (IAQ) and MEP engineering systems

Energy Star Certified for facilities in the nation's top 25% of energy efficiency

1<sup>st</sup> Place 2014 ASHRAE Technology Award, Region VII

LEED Silver Certified WVANG Fuel Cell/Maintenance Hangar, Charleston, WV

LEED Gold Certified Harvard Arboretum, Boston, MA

First ASHRAE bEQ certified building in West Virginia, 2015

1st Place 2023 ASHRAE Technology Award, Region VII





Ted, a third generation engineer and Principal in the firm, has over 20 years of experience in building construction design industry that includes award winning designs including the first Net Zero 911 Center in WV and technology awards for design innovation in multiple facilities. Innovation in HVAC, Plumbing, Fire Protection, lighting design/controls, technology, engineering design, communication methods and management of the design process are the areas of his expertise. As a pioneer and a believer in technological processes, Ted has championed Integrated Design Practices and Commissioning that has become the fabric of ZDS's day-to-day operations.

Ted develops ZDS's 3D Scanning and BIM services which have assisted in collecting key existing conditions for renovation projects, forensic engineering, historical preservation, and high definition reality capture. Ted has in-depth experience on collection, registration, and scan to BIM processes. He has provided training and developed materials for best practices when using 3D scan data. Ted's 3D scanning experience includes governmental, educational, health care, industrial, and commercial facilities. He also has experience in speaking on how 3D laser scanning impacts our industry today.

Ted is the Engineer-of-Record for design projects. As Engineer of Record he is responsible for all aspects of the project and takes a hands-on approach to the overall management, design and construction of the project. He works well with all stakeholders involved throughout the entire project lifecycle.

As Chief Technical Officer Ted develops and deploys a strategy of forward thinking and strategic development for ZDS' Integrated Design Processes, research and development into new technologies for improving quality of services for our clients.

Ted's project experience includes design and commissioning for electrical, lighting, security, IT, A/V, heating, ventilating, air conditioning, plumbing, fire protection, and acoustical systems for educational, health care, industrial and commercial facilities. His experience encompasses working both on new construction and renovation projects. He also is experienced in historical facilities including theatrical. He has significant experience in designing, commissioning and implementing efficient lighting and HVAC systems for various commercial, healthcare and educational facilities.

Ted maintains an active membership into the ASHRAE professional society and also has a lifetime membership in the Association of Energy Engineers. He maintains an active continuing education towards today's standards and codes as well as participates in ASHRAE at both a local and society level. He served on the Electronic Communications Standing Committee with ASHRAE. He has designed renovations to existing facilities which received ***Energy Star Certifications*** placing them in the ***nation's top 25% of energy efficiency*** facilities.



## **PROFESSIONAL REGISTRATIONS**

Professional Engineer:

Florida [REDACTED]

West Virginia [REDACTED]

Certified Energy Manager (C.E.M.)

National Certificate

No. [REDACTED]



## **EDUCATION**

Bachelor of Science in Mechanical  
Engineering from Rochester Institute of  
Technology, Rochester, NY

## **AWARDS AND RECOGNITIONS**

Awarded 2012 Legend in Energy  
by the Association of Energy Engineers

Awarded acceptance into ASHRAE's  
2015 Leadership University

ASHRAE Blue Ribbon Award of Excellence  
Co-Author at Autodesk University

1st Place 2023 ASHRAE  
Technology Award, Region VII

Energy Star Certified for facilities in the  
Nation's top 25% of energy efficiency



## RELEVANT PROJECT EXPERIENCE

- WV State Capitol Complex Bldgs. 1, 3, 5, 7, 8, & 9 Renovations and #3 & #4 Cx
- Kanawha County Judicial Building Renovations and Cx - **EPAct Qualified**
- Office of Chief Medical Examiners Renovations and Commissioning
- CASCI Building electrical Renovations, Charleston WV
- WV Air National Guard Maintenance Hangar and Fuel Cell Hangar
- University of Charleston - Virtual Dissection Lab, Innovation Center, Gorman Hall/ Eddie King Gym Renovations campus natural gas, medium voltage and water upgrades.
- Marshall University, Jomie Jazz, Harris Hall, Smith Hall Renovations
- WV Higher Education Policy Commission S. Charleston Tech Center Master Planning
- Ben Franklin Career Center Renovations - **EPAct Qualified**
- Glade Middle School - **Energy Star Certified**
- Kanawha County Schools - County-Wide includes Master Planning, Renovations
- New Iaeger Elementary Schools - **Energy Star Certified**
- Pendleton Co Middle/High School, North Fork Elem Renovations - **EPAct Qualified**
- Pocahontas County 911/EMS Center
- Princeton Middle and High School HVAC Renovations - **Energy Star Certified**
- Raleigh County Schools - County-Wide
- WVDHHR Master Planning, renovations, for seven healthcare facilities
- William R. Sharpe, Jr. Hospital Additions/Renovations & Cx - **EPAct Qualified**
- Riverside High School HVAC/Lighting Renovations - **Energy Star Certified**
- Tyler County 911 Center - **Net Zero**
- Tyler County Courthouse Additions, Renovations and Commissioning
- Tyler Consolidated Middle/High School HVAC Renovations - **EPAct Qualified**
- Meadowbrook, Servia, White Sulphur Springs Rest Areas for WV DOT
- World Trade Center, Renovations, MD
- West Virginia University Renovations
- WV DHHR Healthcare Facilities master planning, additions/renovations, lighting renovations - **EPAct Qualified**

## Professional Affiliations

Member of ASHRAE WV Chapter  
Prior Membership Promotions Chair WV  
ASHRAE Chapter  
Prior Chapter Secretary WV ASHRAE  
Chapter  
Lifetime member of the Association of  
Energy Engineers  
Associate Member WV Society for  
Healthcare Engineering



**CEM®**

## OTHER RECOGNITIONS

Presented and co-authored at regional and national conferences

Energy Star Certified for facilities in the nation's top 25% of energy efficiency for many facilities

1<sup>st</sup> Place 2014 ASHRAE Technology Award, Region VII

First ASHRAE bEQ certified building in West Virginia, 2015

1<sup>st</sup> Place 2023 ASHRAE Technology Award, Region VII

ASHRAE Blue Ribbon Award of Excellence

2012 Legend in Energy by the Association of Energy Engineers

2015 ASHRAE Leadership University Recipient



David is a professional Mechanical Engineer with over 18 years of experience in the design and construction of over 500 projects having construction values up to \$35 million. His commissioning/design experience ranges from commercial, industrial, institutional, healthcare, education, restaurant, retail, government, airport, and recreational facilities.

David collaborates well with fellow engineers, architects, owners, contractors, code officials and vendors to meet the goals and objectives. As a project manager he successfully manages projects from start to finish in design, bidding, and construction administration.

## PROJECT EXPERIENCE

### **Elevator Additions/Replacement**

- Woodburn School Elevator Addition
- St. John's Elevator Addition
- Fellowship Bible Church Elevator Addition
- Blaney House Elevator Addition
- Koupal Towers Elevator Replacement

### **Elevator New Construction Projects**

- Antero Office Building
- Thrasher Office Building
- White Oaks Progress Center
- Beckley Police Station
- Beitzel Office Building
- Dominion Office Building
- Bridgeport CVB
- McDowell County Board of Education
- WVU Rehabilitation Center
- Gaston Avenue Apartments
- Glenmark Office Building
- Health Plan Office Building
- Jerry Dove Medical Office Building
- Microtel
- Best Western
- Hawthorn Suites
- Homewood Suites
- Courtyard Marriott

### **Other Project Experience**

- Tyler County Courthouse Additions/Renovations
- Tyler County 911 Center - **Net Zero**
- New Clendenin Elem Commissioning
- Mabscott Elem Renovations/Cx
- Independence Middle HVAC/Roof Renovations and Commission
- Harrison County 911/EMS Center
- Shady Spring Middle School HVAC Renovations & Cx
- Maxwell Hill Elementary School HVAC Renovations & Cx
- Braxton County 911/EMS Center
- Saint Marys K-8 School Renovations
- Tyler Consolidated MSHS Commissioning
- Dominion Office Building - **LEED Gold**
- Mon General Hospital Echo Renovations
- Mon Health LTAC for Acuity
- United Hospital Center POB 4th Floor Renovations
- Clarksburg Comprehensive Care Clinic Renovations
- Jerry Dove Medical Office Building
- Medbrook Building HVAC Replacement
- Pocahontas County 911/EMS Center
- Mylan Pharmaceuticals
- Beckley Police Station
- Doddridge County Athletic Complex
- Boy Scouts of America, Rex W. Tillerson Leadership Center
- White Hall Public Safety Building
- Webster County 911/EMS Center
- Beitzel/Pillar Innovations Office Building
- Percival Hall Absorption Chiller and Cooling Tower Replacement
- Tyler Consolidated MS/HS Renovations and Commissioning
- Thrasher Engineering Office Building, Bridgeport
- Upshur County 911/EMS Center
- WVU Creative Arts Center Rehearsal Hall
- WVU Towers Dining Hall Renovations
- WVU Athletic Performance Center
- HP Hood Addition/Renovations, Winchester, VA
- Dominion Office Building, Delmont, PA
- University of Pittsburgh Softball Practice Facility
- Westmoreland Community and Technical College, Indiana, PA
- WVU Alumni Center
- WVU Biomedical Research Facility
- WVU Milan Puskas Locker Room Renovations
- NOAA GOES-R Supercomputing Center, Fairmont, WV
- WV Capitol Complex Bldg. #3 & #4 Renovations and Commissioning
- Renaissance Academy, Morgantown, WV
- City of Bridgeport WWTO
- VA Medical Center; Audiology Task Lab, Clarksburg, WV



## PROFESSIONAL REGISTRATIONS

### **Professional Engineer:**

West Virginia   
Maryland   
Virginia   
Ohio   
Pennsylvania 

LEED AP BD+C Professional Accreditation  
NCEES Record Certificate

## EDUCATION

Bachelor of Science  
Mechanical Engineering  
WV Institute of Technology

## MEMBERSHIPS

WV ASHRAE, Past President  
National Fire Protection Association  
WV Society of Healthcare Engineers



Mark has over 33 years of experience and is responsible for the design of commercial, institutional, and industrial mechanical and electric projects. He works with architects, civil and structural engineers to coordinate design and construction documents. He is responsible for project specifications and submittal review. Mark holds Degrees in Engineering and Architectural Technology which provide more than engineered solutions. He designs solutions that incorporate essential and functional needs, as well as aesthetic, life-safety, and constructability considerations.

Before joining ZDS, Mark was the President and Principal Engineer of another firm where he provided mechanical and electrical engineering design and analysis for commercial construction projects and was responsible for acquiring new projects.

He analyzes systems to determine best value solutions. He evaluates contractor equipment and material submittals as well as conduct on-site review of construction progress and quality.






## PERSONAL COMMERCIAL/GOVERNMENTAL PROJECT EXPERIENCE

- General Motors Dealerships; Lewisburg, Charleston & Beckley
- Toyota Manufacturing Facility; multi-purpose addition containing office spaces, medical treatment area, and weight room
- Elevator Upgrade for 1500 MacCorkle Ave SE with Otis Elevator
- Buzz Food Processing Facility; New 12,000 sf processing facility includes offices, refrigeration, and abattoir spaces
- Princeton War Memorial; HVAC Renovations
- Brickstreet Insurance Headquarters; 86,100 sf renovation including elevator upgrade
- Beckley PSD; 3 Water Storage Tanks; Sweeneysburg Water Treatment Plant
- Shops at Kanawha Plaza; extensive renovation and tenant fit-up project of 195,000 sf shopping center
- Huntington Museum of Art; HVAC Renovations
- New Automobile Showrooms; two new showrooms with office and/or repair facilities
- First Bank of Charleston; New four story building including elevator
- Hargis Laundry Facilities; laundry facility renovations
- Shawnee Sports Complex; Six multi-purpose fields and four baseball field complex with amenities
- Charleston Housing Authority; Lee Terrace Boiler; Jarrett Terrace HVAC; Lee Terrace HVAC; Carroll Terrace Boiler; Little Page Boiler; Washington Manor Boiler; Switzer Center
- Clay County PSD; Water Storage Tank; Water Treatment Plant
- Upshur County Commission; Upshur County Courthouse Addition
- Putnam County Courthouse Complex; HVAC Replacement at the Sherriff's Office Building and the Main Courthouse Building
- Trans Canada; New Control Building
- Willow I & II and Elk Village Senior Centers; Three new two-story senior apartment buildings in multiple locations including new elevators
- Raleigh County Airport; Runway Lighting Upgrade
- Yeager Airport; Runway & Tarmac Repairs
- Huntington Housing Authority; New 50 Unit Apartment Building; Administration Building Renovations including elevator
- Maranatha Fellowship Church; New Annex Building
- Mount Olive Correctional Facility; Foundation Verification
- State of West Virginia Bioterrorism Lab; Upgraded existing mechanical and electrical systems to Bioterrorism facility to current federal standards
- Tyler County Courthouse Additions/ Renovations
- WV Department of Transportation
- Kellys Creek Bridge Replacement, Cedar Grove
- Marmet Pony Truss Bridge Replacement
- WV Water Development Authority; New Facility
- Dunbar Housing Authority; Dutch Hollow HVAC Replacement
- WV Hygienic Lab; HVAC & Electrical Upgrades
- WV Division of Motor Vehicles; Kanawha City



## PROFESSIONAL REGISTRATIONS

Professional Engineer:

West Virginia   
Maryland   
Virginia   
Kentucky   
Ohio 

## EDUCATION

Bachelor of Science

Mechanical Engineering

WV Institute of Technology

Bachelor of Science

Architectural Engineering Technology

Associates of Science

Mechanical Engineering Technology

Fairmont State College



**SECTION D**  
**PROJECT EXPERIENCE**



# NORTH ELEMENTARY CONNECTOR

Monongalia County Schools



Location:

## Morgantown, WV

Alpha Associates, Incorporated provided architectural Alpha Associates, Inc. is currently providing the North Elementary school with an enclosed connection between three (3) separate and distinct buildings. The design draws from its relationship to the outdoors and creates an outdoor classroom for Pre-K to Middle School age children within a safe and secure courtyard.

The main building link is a two-story connection with stairs and an elevator. The link extends in a T-like plan connecting two (2) single-story buildings to the Main building. Alpha was able to overcome constraints such as existing locations of windows and mechanical louvers on the main building, unifying the three (3) buildings with different materials, and not taking away from the learning environment, but enhancing the atmosphere.

Materials were chosen to reflect nearby structures and echo its Agrarian forms.



### PROJECT INFORMATION:

- ★ Services Provided:  
Architectural Design
- ★ Size:  
120,000 sq. ft.
- ★ Completion Date:  
End of Fall 2024
- ★ Cost:  
\$ 2.5 Million
- ★ Reference:  
Amanda Washington, Dir. Facility Mangement  
1751 Earl L. Core Road  
Morgantown, WV 26505  
304.291.9210 ext. 1544

# WYOMING COUNTY COURTHOUSE ELEVATOR REPLACEMENT

Wyoming County Commission



**Location:**

## Wyoming County, WV

Alpha Associates, Inc. provided architectural and structural engineering services for the Wyoming County Courthouse in Pineville, WV. The project replaced the non-ADA compliant lift with an ADA compliant elevator between the main floor and the 2nd floor where the courtroom is located. Due to the historic nature of the building, every attempt was made to maintain the original wood staircase that encircles the elevator.

Modifications and improvements were also made to the existing staircase handrails as well. Tolerances within the existing building were so tight, the design team chose to have the steel frame structure of the elevator shaft fabricated off site, and lowered through the roof of the building.



### PROJECT INFORMATION:

- ★ Services Provided:  
Architectural, Engineering & Surveying
- ★ Size:  
23,089 sq. ft.
- ★ Completion Date:  
2023
- ★ Cost:  
\$ 466,000
- ★ Reference:  
Jewell Aguilar  
Pineville, WV  
304.732.8000





# Alpha's Elevator Projects

## Architectural & Engineering Services

### WVU RCBHSC Freight Elevator Roof Morgantown, WV

West Virginia University was interested in installing a new freight elevator in the Robert C. Byrd Health Sciences Center. The new elevator required more room above the elevator beams than was currently available in the existing shaft. Due to this, Alpha provide engineering services related to modifying the roof of the freight elevator at the RCBHSC.



#### Items included in Alpha's Scope of Work:

- α Alpha provided on-site discussions for project progression.
- α Alpha reviewed the problem with WVU to decide the best, most cost-effective method for providing an elevated roof section.
- α Alpha reviewed the original construction drawings and provided a design of elevator roof modifications that worked with the existing structure.
- α Alpha provided draft drawings that included all the necessary plans and sections that was required for a Contractor to complete the Work.

#### Project Contact:

John Summers, Construction Manager  
West Virginia University, Facilities Management  
Planning, Design and Construction  
Morgantown, WV 26506

---



## Morgantown High School Elevator Replacement

Morgantown, WV

Monongalia County Schools intended to remove the existing elevator in the wing of the building that runs along Prairie Avenue and replace it with a code-compliant elevator that will continue to serve the four (4) floors.



### Existing Condition:

The existing elevator was installed when the building was built in the mid-1920's, and served the 1st, 2nd, and 3rd floors of the building with an overhead machine room accessed from the 4th floor. The elevator pit sat nearly 5 feet below the 1st floor. The old shaft was approximately 4'-8" wide and 6'-9" deep. The small cab, control panel, swinging shaft doors, and manual sliding gate were not in compliance with current handicapped accessibility regulations. Parts were hard to find, the unit was out of operation for extended periods of time, and the most recent maintenance came with the stipulation that the elevator be used for freight use only. Upon review of the original drawings, it was determined that the building is a hybrid structure of structural steel columns, steel beams, and poured-in-place concrete joists and deck. This provided an opportunity to tie new structural framing into the existing to allow enlargement of the floor openings at the current elevator location.

### New Elevator:

The new elevator would be a machine-room-less (MRL) roped-traction type with a 3,000 pound capacity. To accommodate this elevator, the current elevator pit was demolished and enlarged to a footprint of approximately 8'-6" wide and 6'-3" deep. New shaft walls aligned with this pit up through the building. Three-phase power was provided from the existing elevator service. Finishes were restored in the adjacent spaces. The elevator can be equipped with card reader, keypad, and/or key access.

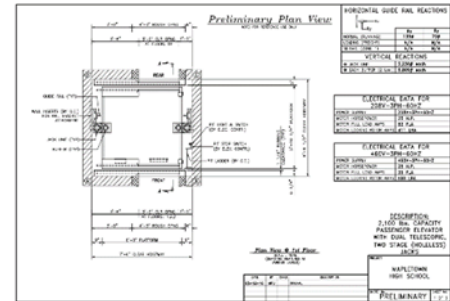
### Project Contact:

Dr. Devono, Former Superintendent  
 Monongalia County Schools  
 13 South High Street  
 Morgantown, WV 26501  
 (304)291-9210



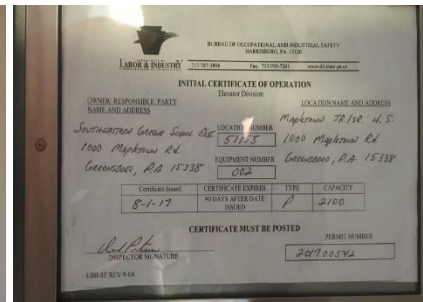
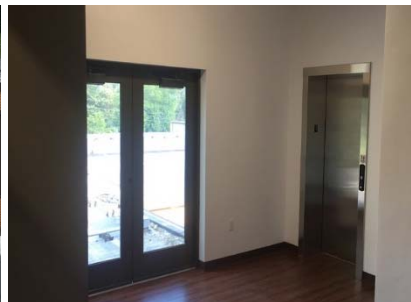
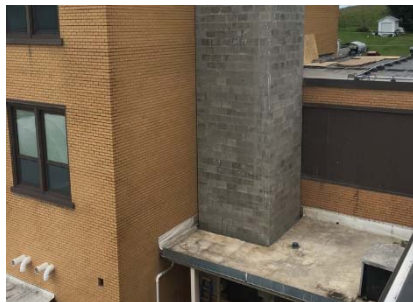
## Mapletown High Elevator Greensboro, PA

The Southeastern Greene School District was looking to install a new elevator and three (3) story elevator shaft with a 200 sq. ft. vestibule onto the existing Mapletown High School. Per the request of the Southeastern Green School District, Alpha investigated the structural ramifications of moving the proposed elevator shaft approximately 6 feet to the West in order to retain access to the boiler room garage door and eliminate the need to relocate HVAC piping.



Alpha provided on-site investigation to determine the structural beams, joists, and columns in the next framing bay to the West of the current layout. From that information, Alpha reviewed the additional loads imposed and prepared a preliminary framing scenario, in words and basic diagrams, for review by the Owner. The loading dock roof structure was also reevaluated for the revised shaft location.

The new project included new foundations, demolition to masonry roofs and walls, completely new masonry elevator shaft, new structural steel vestibule, new roofing system, new architectural panels, and interior finishes.



**Project Contact:**  
Southeastern Green School District  
1000 Mapletown Road  
Greensboro, PA 15338  
724.943.3401



# MONONGALIA COUNTY SHERIFF'S BUILDING

Monongalia County Commission



**Location:**

**Morgantown, WV**

Alpha Associates, Incorporated provided architectural design, civil and structural engineering and surveying services for this new building that houses offices for the Monongalia Sheriff's Department and other county agencies.

Site constraints and adjacent overhead structures made the development and construction of the project very challenging.

The ground floor includes:

- α The sheriff's department
- α An evidence room
- α Several bailiff rooms
- α Officer locker/shower rooms

The remaining floors are designed to house flexible office space. Also, Restricted access, combined with a high level of security, both passive and active systems were part of the design program.



## PROJECT INFORMATION:

- ★ Services Provided:  
Architectural, Engineering & Surveying
- ★ Size:  
31,655 sq. ft.
- ★ Completion Date:  
2011
- ★ Cost:  
\$ 7.9 Million
- ★ Reference:  
Al Kisner, Retired Sheriff  
Morgantown, WV  
304.291.7290

# CLARKSBURG STATE OFFICE BUILDING

The State of West Virginia



**Location:**

## Clarksburg, WV

Alpha Associates, Incorporated provide architectural design, civil and structural engineering and surveying services for a new state office building in Clarksburg, WV.

Designed to complement the historic character of downtown Clarksburg, WV, the five-story building sits on a 2.1-acre site. The sloping site created an opportunity for a public entrance on the main level, and a staff entrance on the lowest level. Six public facing State agencies were designated to occupy the building, including the Department of Motor Vehicles and WV Workforce.

The exterior building envelope consists of oversized red brick and structural clay tile that mimics sandstone in an ashlar pattern. Energy efficient systems, including the use of a revolving door, were created and constructed for the building envelope and interior spaces. Elevators, public restrooms, and other secondary spaces were located in the central core, creating an efficient floor plate.

This project is LEED® Registered



## PROJECT INFORMATION:

- ★ Services Provided:  
Architectural, Engineering & Surveying
- ★ Size:  
88,491 sq. ft.
- ★ Completion Date:  
2016
- ★ Cost:  
\$ 24.9 Million
- ★ Reference:  
William Berry  
Charleston, WV  
304.957.7188



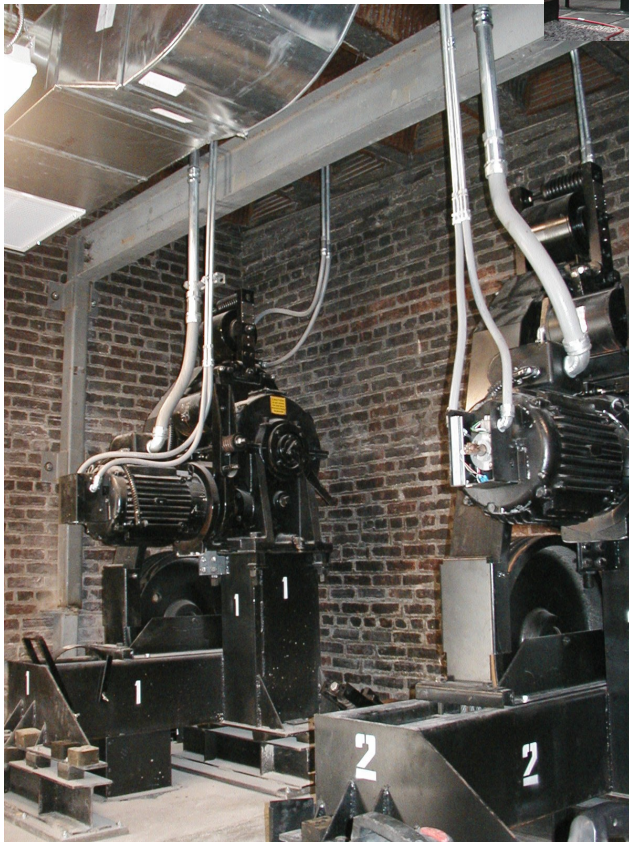
## BUILDING 22 ELEVATOR MACHINE ROOM ADDITION

Charleston, West Virginia



The existing elevator machine room was not large enough to meet current code requirements when the elevator equipment was upgraded. As a result, the machine room had to be extended to accommodate new equipment and clearances.

Access to the machine room was also improved during this project. The main door was relocated, the exterior bearing wall was removed and structure added for support for the expansion.



PO Box 469 • Alum Creek, WV 25003-0469 **PHONE** 304-756-2564 **FAX** 304-756-2565 **WEB** [www.casstruceng.com](http://www.casstruceng.com)

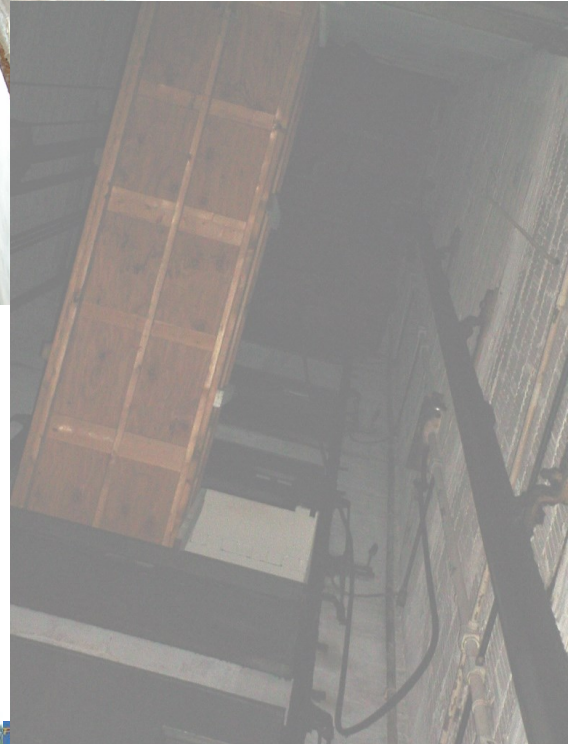
PROVIDING STRUCTURAL ENGINEERING SOLUTIONS FOR YESTERDAY, TODAY AND TOMORROW  
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WV VA KY OH MD PA





The existing elevator was suspended from the roof and a wooden walkway had been constructed through the shaft to a door giving access to the lower roof level. When the new elevator was in-



New door and stairs were installed for access to the lower roof level.



Exterior masonry of the elevator shaft was repaired where it was cracked and deteriorated.





### **Historical**

Jackie Withrow State Hospital  
Mason County Courthouse  
Robinson Grand Performing Arts Theater  
St. Patrick's Church  
Tyler County Courthouse Additions/Renovations  
WV Children's Home  
WV General Services Division

### **Government/Commercial**

Chase Towers - Charleston, WV  
Cultural Center – Charleston, WV  
Belmont County Commission  
Highlands Museum  
Huntington Bank - Charleston, WV  
Jackson County Courthouse/Annex  
Kanawha County Judicial Building  
Kanawha Co Metro 911 Center  
Kohl's Department Store  
Laidley Towers – Charleston, WV  
Mercer County Courthouse Annex  
Pt. Pleasant Museum Addition  
Public Service Commission Headquarters  
West Union Bank  
WV Air National Guard  
WV Army National Guard  
WV Division of Transportation  
WV Dept. of Education  
WV Dept. Health & Human Resources

### **Education**

Academy of Careers and Technology  
Andrew Jackson Middle School  
Beckley Stratton Middle School  
Ben Franklin Career & Technical Center  
Clay County Schools  
Davis Hall – WV Tech

Dunbar Middle School  
Elkins Middle School  
George Washington High School  
Greenbrier West High School  
Harris Hall – Marshall University  
Jaeger Elementary School  
Mercer County Schools – multiple schools  
Nick J. Rahall Technology Center - Concord University  
Ohio University - Bennett Hall, Stephenson Library  
Pendleton County Middle/High School  
Princeton Middle School  
Raleigh County Schools – multiple schools  
Riverside High School  
St. Marys High School  
South Charleston Middle School  
South Charleston High School  
Southern WV Community & Technical Logan & Williamson Campuses  
Southside K-8 School  
University of Charleston Innovation Center  
Winfield High School  
Woodrow Wilson High School  
White Hall - WVU  
WV Wesleyan Benedum Center

### **Healthcare**

CAMC General Division  
Charleston Surgical Hospital  
Roane General Hospital  
VA Clarksburg  
VA Huntington - Fisher House  
United Hospital Center  
William R. Sharpe Jr. Hospital  
Welch Community Hospital

## Robinson Grand Performing Arts Center, Clarksburg, WV

**Renovations & Additions Area:** 45,000 ft<sup>2</sup>

**Construction Cost:** \$17,000,000

*EPAct Qualified renovations resulted in over a 50% reduction in energy over ASHRAE 90.1-2007 standards and an EUI below the national medium.*

### Services Provided:

- Study/Evaluation
- HVAC Renovations
- Fire Protection
- Electrical Renovations
- Emergency Generator
- Lighting Upgrades
- **3D Scanning**
- **Elevators/ADA**



The historic Robinson Grand Theatre was originally built in 1913 and eventually closed to the public in the year 2000. When the City of Clarksburg purchased the building in 2014, extensive renovations were needed to re-open the theatre. **ZDS** provided the engineering planning and evaluation and the engineering design, and 3D Scan-to-BIM. Includes all **NEW** HVAC/Electrical/Plumbing/FP upgrades and elevators for the 45,000 ft<sup>2</sup> building. 3D-Scan-to-BIM of the existing facility was invaluable to develop the comprehensive existing conditions. Now called the **Robinson Grand Performing Arts Center**, this beautiful award winning historic theatre has been brought completely back to life!

Resurrection through adaptive reuse brings out the best the city of Clarksburg has to offer through the Robinson Grand Performing Arts Center.



# University of Charleston

The Russell and Martha Wehrle Innovation Center



**Construction Cost:**  
\$17,000,000



ZDS evaluated the University of Charleston's existing Eddie King Gym and adjacent Gorman Hall Mechanical and Electrical systems' infrastructure while using 3D scanning to capture "built conditions." The evaluation findings and recommendations were presented to UC before beginning the design phase of the proposed project to make decisions on phasing the project since the needs exceeded the available current funds. The Project consisted of major renovations to the Gym to meet NCAA competition requirements, interconnection/reconnection of MEP systems impacting the Gorman Hall facility, and a 30,000 SF addition to the front of the facility known as the Russell and Martha Wehrle Innovation Center, **including a new elevator**. The facility has classrooms, offices, flexible meeting areas, and a large two-story Innovation Center space. Mechanical and Electrical work includes new chiller and boiler plants with pumps and accessories, HVAC air handling units, DDC Controls, new domestic and fire protection water services, new gas service, domestic water heating equipment, extensive plumbing fixtures/showers/lockers, new electrical service from the campus 12.5 kv distribution loop, switchgear, distribution and branch panel boards, and new state-of-the-art energy-efficient LED lighting systems.



**Gary Boyd, Director of Facilities**  
**University of Charleston (304) 357-4871**





# Engineering for State & Local Government Facilities

44

ZDS engineering project experience includes facilities registered as official Historic Buildings



WVDHHR hired ZDS to engineer the upgrades for three historic hospital facilities in three separate locations. ZDS successfully completed the projects while meeting the requirements of the State Historic Preservation Office (SHPO).



Renovations included HVAC, fire safety, energy efficient lighting, plumbing, indoor air quality and electrical power engineering.





# Engineering for Commercial Facilities

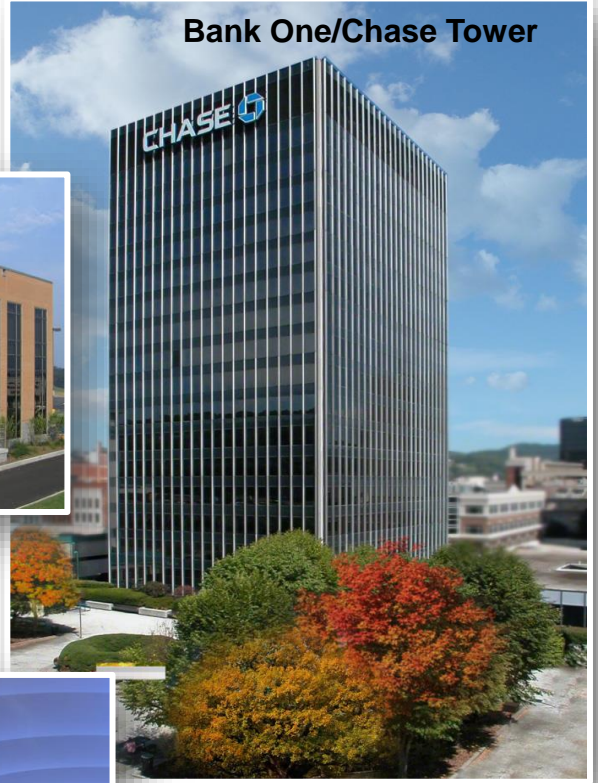
**ZDS project experience includes a wide variety of commercial buildings — office, retail, judicial, banking, dining, technical and other facility types.**

**World Trade Center, MD**



**West Union Bank**

**Bank One/Chase Tower**



**General Motors Corp.**

**Kanawha County Judicial Bldg.**



**Mercer County Courthouse Annex**



# **APPENDIX**

## **REFERENCES**

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# ALPHA ASSOCIATES, INC.

209 Prairie Ave  
Morgantown, WV 26501  
304.296.8216

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## REFERENCES

**David Ferrell**, Assistant Director of Facilities & Services, Health Sciences Center, West Virginia University:

304-293-6924 & DEF00004@HSC.WVU.edu

**Amanda Washington**, Director of Facility Management, Monongalia County Schools:

(304) 291.9210 ext. 1544



**Jewell Aguilar**, Wyoming County Clerk, Wyoming County Courthouse:

(304) 732-8000 & jewell.aguilar@wycowv.com

**Scott Owen**, Construction Manager, West Virginia University, Facilities Management, Planning, Design & Construction:

(304) 293-7478 & scott.owen@mail.wvu.edu



**Dr. Devono**, *Former* Superintendent, Monongalia County Schools:

(304) 291-9210





**ZDS** has worked on hundreds of projects in West Virginia. We encourage you to call the references listed below:

**Mike Pickens**, Executive Director, National Council for School Facilities: (304) 400-9993.

**Gary Boyd**, Director of Facility Services, University of Charleston & WVU: (304) 357-4871, garyboyd@ucwv.edu; worked on projects at both WVU and University of Charleston involving MEP systems since 1990's.



**Greg Nicholson**, Retired COO, WV DHHR: (304) 552-0101, gregcnicholson@suddenlink.net.



**Kris Wilcoxen**, Director of Plant Operations, WV DHHR: 304-993-0480, Kristopher.R.Wilcoxen@WV.Gov



**Mike Moles**, Maintenance Director, Kanawha County Commission: (304) 533-7888

**Chuck Smith**, Director, Kanawha County Schools & Kanawha County Commission: (304) 348-6148.



**Kenneth C. Goodson Jr.** Facilities Maintenance Supervisor, NFG, WV Army National Guard: 304-561-6337

**Dale Freeman**, Director of Facilities, Roane General Hospital: (304) 927-6345, dafreeman@rghwv.org.





# 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*

*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:*

*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.

*Scott E. Thomas Jr.*

BOARD PRESIDENT

# State of West Virginia



## Certificate

*I, Mac Warner, Secretary of State of the State of West Virginia, hereby certify that*

**ALPHA ASSOCIATES, INCORPORATED**

was incorporated under the laws of West Virginia and a Certificate of Incorporation was issued by the West Virginia Secretary of State's Office on June 23, 1969.

I further certify that the corporation has not been revoked or administratively dissolved by the State of West Virginia nor has the West Virginia Secretary of State issued a Certificate of Dissolution to the corporation.

Accordingly, I hereby issue this Certificate of Existence

## CERTIFICATE OF EXISTENCE

Validation ID:1WV25\_3J5W7



*Given under my hand and the  
Great Seal of the State of  
West Virginia on this day of  
January 26, 2024*

*Mac Warner*

*Secretary of State*



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YY) **30**  
02/29/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).


<b>PRODUCER</b> MEDALLION INSURANCE SERVICES PO Box 79089  Charlotte NC 28271	<b>CONTACT NAME:</b> Phyllis Constantino <b>PHONE (A/C, No, Ext):</b> (704) 256-6000 <b>E-MAIL ADDRESS:</b> phyllis@medallioninsurance.com <b>FAX (A/C, No):</b> (704) 256-6001
<b>INSURED</b> Alpha Associates, Incorporated 209 Prairie Ave Ste 209  Morgantown WV 26501	<b>INSURER(S) AFFORDING COVERAGE</b> <b>INSURER A:</b> Kinsale Insurance Company <b>INSURER B:</b> <b>INSURER C:</b> <b>INSURER D:</b> <b>INSURER E:</b> <b>INSURER F:</b>
	<b>NAIC #</b> 38920

**COVERAGES** **CERTIFICATE NUMBER:** CL2422110349 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

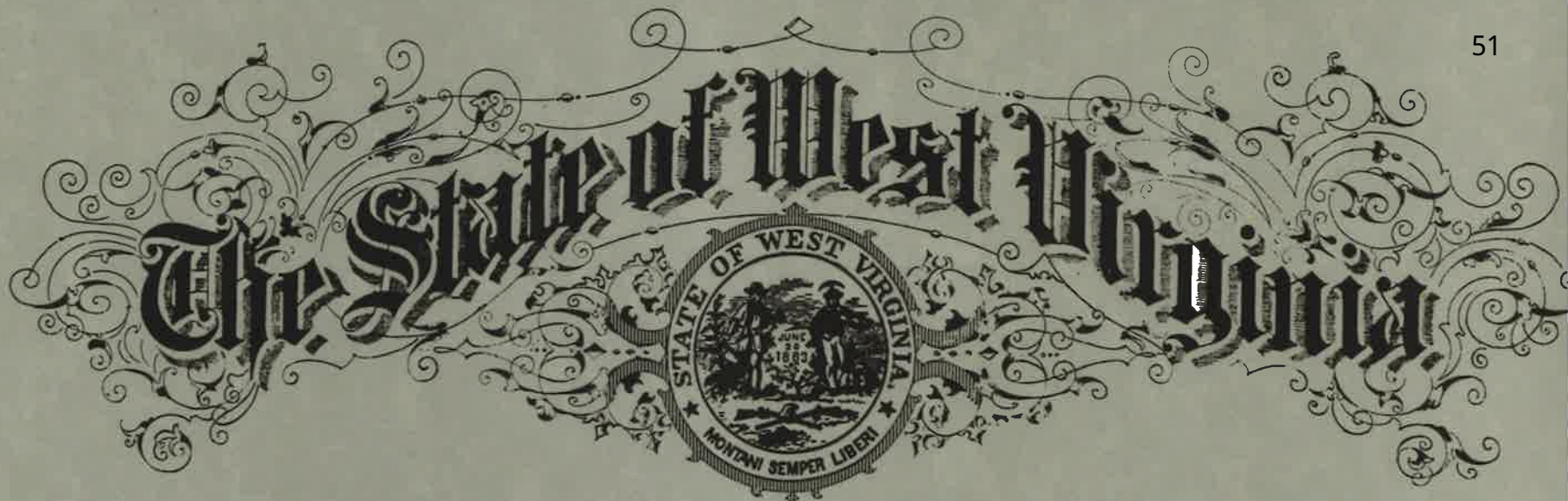
INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
	<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:						EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG \$ \$ \$ \$ \$ \$
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident) \$ \$ \$ \$ \$
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$						EACH OCCURRENCE AGGREGATE \$ \$ \$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below Y / N <input type="checkbox"/> N / A						PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT \$ \$ \$
A	PROFESSIONAL LIABILITY CLAIMS-MADE			0100225819-1	02/12/2024	02/12/2025	EACH CLAIM AGGREGATE \$3,000,000 \$3,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

<b>CERTIFICATE HOLDER</b> Information Purposes	<b>CANCELLATION</b> SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
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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 L. Gaddy*  
 Frank L. Gaddy

*Secretary* *Monroe P. Jickles* *President*  
 Kenneth H. Means *Robert B. Scott*



# The Board of Architects



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 1994

Will E. Johnson

President.

E. Keith Leamon

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. 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 13<sup>th</sup> day of February in the year of our Lord 2002 and of the State the One Hundred Thirty-Eighth*

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

*Ed Rieckhoff*

By

*Frank D. Goddy*

*L. J. Burns, Jr.*

*[Signature]*

*[Signature]*





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 28th 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. Rickley*

*Frank H. Naddy*

*W. Lee* *L. J. [unclear]*

*Wm. J. [unclear]*





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. Echard**

**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

*Leonard D. Turner, Jr.*

*Richard E. Dlyns*

*Blaham S. Saha*

*William E. Piersen*

*[Signature]*



**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.

(Printed Name and Title) Richard Colebank, PE, PS, President & COO

(Address) 209 Prairie Avenue, Morgantown, WV 26501

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

(email address) rick.colebank@thinkalphafirst.com

**CERTIFICATION AND SIGNATURE:** By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract 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/Contract 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 this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; 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.

*By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.*

Alpha Associates, Incorporated

(Company)

(Signature of Authorized Representative)

Richard Colebank, PE, PS, President & COO

(Printed Name and Title of Authorized Representative) (Date)

(304) 296-8216 / (304) 296-8245

(Phone Number) (Fax Number)

rick.colebank@thinkalphafirst.com

(Email Address)

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: GSD2400000006**

**Instructions:** Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

**Acknowledgment:** I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

**Addendum Numbers Received:**

(Check the box next to each addendum received)

<input checked="" type="checkbox"/> Addendum No. 1	<input type="checkbox"/> Addendum No. 6
<input type="checkbox"/> Addendum No. 2	<input type="checkbox"/> Addendum No. 7
<input type="checkbox"/> Addendum No. 3	<input type="checkbox"/> Addendum No. 8
<input type="checkbox"/> Addendum No. 4	<input type="checkbox"/> Addendum No. 9
<input type="checkbox"/> Addendum No. 5	<input type="checkbox"/> Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that 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.

Alpha Associates, Incorporated

\_\_\_\_\_  
 Company  
  
 Authorized Signature

5/30/2024

\_\_\_\_\_  
 Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.