



**State of West Virginia
Agency Expression of Interest
Architect/Engr**

Proc Folder: 1381631			Reason for Modification:
Doc Description: A&E Services-WVSU Roof Replacement Projects			
Proc Type: Agency Contract - Fixed Amt			
Date Issued	Solicitation Closes	Solicitation No	Version
2024-02-21	2024-03-15 14:30	AEOI 0490 WSC2400000003	1

BID RECEIVING LOCATION
WEST VIRGINIA STATE UNIVERSITY 5000 FAIRLAWN AVENUE FERRELL HALL RM 301 INSTITUTE WV 25112

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
Jerry D Rush 304-766-3009 jerry.rush@wvstateu.edu

Vendor Signature X 	FEIN# 550516286	DATE 15 March 2024
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All offers subject to all terms and conditions contained in this solicitation



**WEST VIRGINIA STATE
UNIVERSITY**

Architectural & Engineering Services

AEOI WSC2403 – Roof Replacement Projects on WVSU Campus

March 15, 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

<http://thinkalphafirst.com>

TABLE OF CONTENTS.

SECTION A

General Information	01-05
A. 1 Letter of Interest.....	1-2
A. 2 Firm Overview.....	3-4
A. 3 Statement of Qualifications.....	05

SECTION B

Technical Expertise	06-10
B. 1 Schedule & Budget.....	06
B. 2 Capacity & Software.....	07
B. 3 Funding Experience.....	08
B. 4 Meet Alpha's Team.....	09
B. 5 Project Key Personnel.....	10

SECTION C

Management and Staffing Capabilities	11-16
C. 1 Experience of Key Personnel.....	11
C. 1 Alpha Team Resumes & Certifications.....	12-16

SECTION D

Project Experience	17-30
D. 1 Alpha's Project Experience.....	17-30

APPENDIX

Letter of Recommendations/Mandatory Docs.	31-35
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SECTION A
GENERAL FIRM INFORMATION



15 March 2024

West Virginia State University
5000 Fairlawn Avenue
Ferrell Hall, Rm 301
Institute, WV 25112

Attn: Jerry Rush, Director of Purchasing

RE: AEOI WSC2403 A&E Services
WVSU Roof Replacement Projects

Dear Mr. Rush,

Alpha Associates, Incorporated is pleased to submit our expression of interest to provide architectural and engineering design services for multiple roof replacements needed throughout West Virginia State University's campus located in Institute, WV. Our team not only possesses the capabilities and experience required, but also the passion to provide West Virginia State University with the roof replacements needed for a safer environment for students, staff, and WVSU community. We are committed to providing your faculty with a design team that will not only meet but will surpass your expectation.

Alpha has extensive expertise and understanding when it comes to the design and renovation of Higher Education Facilities, having completed numerous college-level projects across the State of West Virginia. In addition to our Higher Education experience, we have accomplished many roof designs including very complex designs with multiple buildings and different types of building materials. Previous work designed by Alpha ranges from small roofs of less than 200 square feet to large and complicated renovations and including many roofing projects. These larger projects required not only architectural design but significant structural. We recently completed the design and construction administration of the roofing repairs for the WVDOH District 2 Headquarters in Huntington. Work on this project encompassed several buildings with both sloped and flat roofs and consisted of multiple buildings including several buildings that had irregular shapes and combinations.

The Alpha team has the capabilities and motivation 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. Alpha is very familiar with the OSHA compliant requirements and has an excellent working relationship with the local contractors and funding agencies. Currently, Alpha is engaged with West Virginia University to provide open-ended architectural and engineering services for design and implementation of projects across WVU's locations and various affiliated campuses.

Design Team

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

Project Understanding

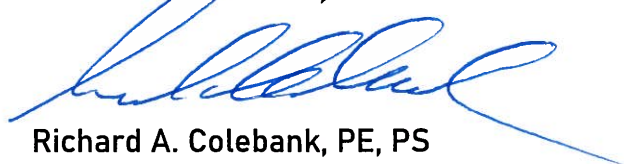
West Virginia State University is seeking necessary engineering and other related professional services for the design, specification, and provided construction contract administration services for three (3) roof replacements to be completed on campus at Cole Complex, Wilson Student Union, and Hill Hall. If selected, Alpha has the required knowledge and experience to provide project estimation, design, bidding, construction administration and post-contract services from within our Morgantown office.

Summary

The Alpha Team is looking forward to building a successful relationship with West Virginia State University by providing excellent service at affordable costs. We are committed to providing the University's faculty, students and community with a design team that will surpass your every expectation. 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.



Alpha
ARCHITECTS ENGINEERS

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!

With

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.



*Mountaineer Middle School Renovation
Morgantown, WV*



*Buckhannon Upshur High School Reroofing
Buckhannon, WV*

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.



*WVDOH District 2 Shop Roof Replacement
Huntington, WV*

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.



*Fairmont State University - Prichard Hall
Renovation | 2001*

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



FUNDING EXPERIENCE

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

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 Hail
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

KEY PERSONNEL.

TO BE ASSIGNED TO YOUR PROJECT

All work performed for West Virginia State University will be managed out of Alpha's Morgantown office. In addition to your dedicated project team, Alpha's staff of 21 includes engineers, architects, architectural designers, technicians and support staff that are available to assist you with any potential project need. Rick Colebank will serve as the project's Principal-in-Charge and Chuck Branch will serve as the day-to-day contact for the Project Team.



Richard "Rick" Colebank
PE, PS, President & COO
Principal in Charge



Rebecca Key
AIA, LEED AP
Director of Architecture



Charles "Chuck" Branch
PE, Senior Principal
Civil Engineer



Charlie Luttrell
PE, Senior Principal
Lead Structural Engineer



Matthew Ecard
PE
Structural Engineer

SECTION C

MANAGEMENT AND STAFFING CAPABILITIES

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
Richard “Rick” Colebank, PE, PS <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 benefit of the project.	X		X	
Rebecca Key, AIA, LEED-AP <i>Design Architecture</i> Alpha Associates, Inc.	Ms. Key is the Project Architect and the lead professional who will provide design services and ensure compliance with AIA codes and standards for the roof replacement projects.	X		X	X
Charles “Chuck” Branch, PE <i>Co-Project Manager, Civil Engineer</i> Alpha Associates, Inc.	Mr. Branch will work hand-in-hand with Mr. Colebank 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	
Charles “Charlie” Luttrell, PE <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	
Matthew Echard, PE <i>Structural Engineer</i> Alpha Associates, Inc.	Mr. Echard will assist with structural services, regarding the design and construction of the structural systems and will ensure Alpha offers a suitable, up to code, structurally sound solution.	X		X	
Alex Hail, Associate AIA <i>Construction Administrator</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

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

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

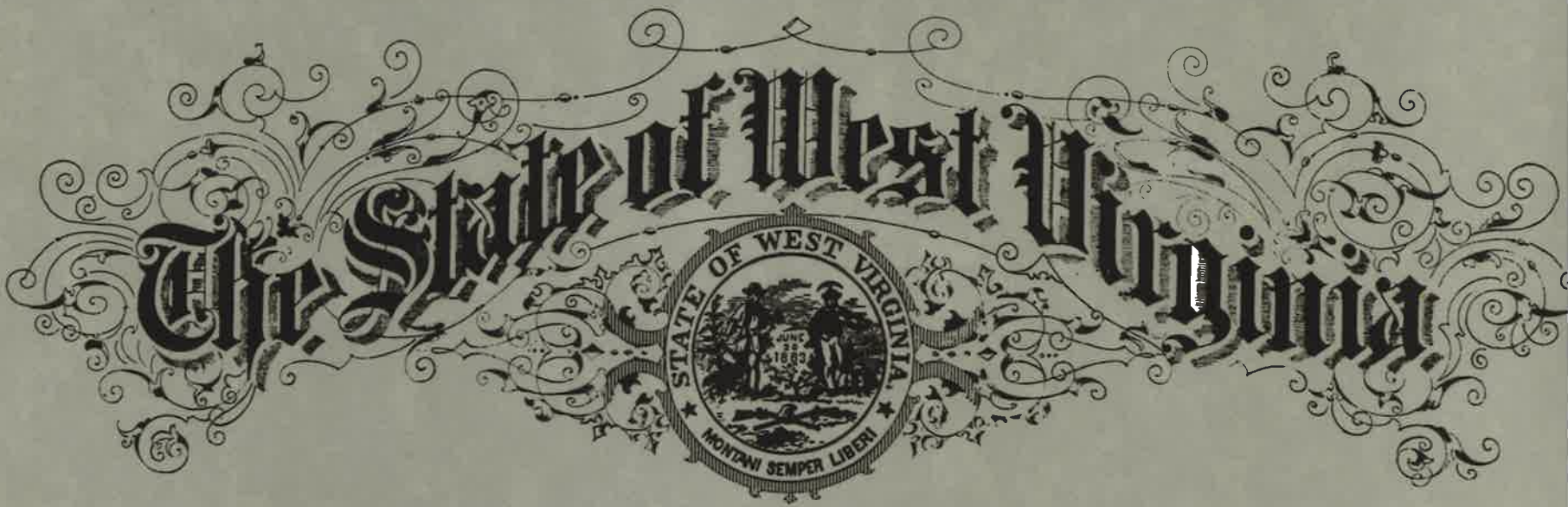
Broad-based responsibilities in the following areas:

- Project Mangement
- 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



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 10346

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 Gaddy

Secretary
Kenneth H. Means

By
Maud P. Jickel President
Robert B. Scott



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
 1978-1983 | 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

Order of Examiners of the Board of Architects



No. 2693

OF WEST VIRGINIA.

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

W. E. Johnson President.
E. J. Smith Secretary.



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



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 15056

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 18th 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

[Signature]

By Frank D. Goddy

[Signature]

[Signature]

[Signature]



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



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 14172

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. Wickley
Frank H. Naddy
Wm. Faulkner
Hendrick L. Johnson



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*
 Columber 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



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 19830

"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

James D. Thomas, Jr.

Richard E. Dlyna

Bhajan S. Saha

William E. Pierson

[Signature]

SECTION D
PROJECT EXPERIENCE



ROOF REPLACEMENT EXPERIENCE

UNIVERSITIES

- West Virginia University, Jackson's Mill 4-H Camp
- Kanawha Cottage and Mount Vernon Dining Hall
- The Robert C. Byrd Health Sciences Center – WVU
- West Virginia University, Agriculture Sciences Center
- West Virginia University, Admissions and Records
- West Virginia University, Doll's Run Fire Training Building
- West Virginia University, Wise Library Roof Consult

PUBLIC SCHOOLS

- Buckhannon Upshur Middle School Roof Replacement
- Buckhannon Upshur High School Roof/Ceiling Replacement
- South Junior High School Roof
- Cheat Lake Elementary Renovations and Additions
- Ridgedale Elementary School Addition/Renovation
- Jakes Run Elementary School Roof Evaluation/Replacement
- Morgantown High School Additions/Renovations
- Mountaineer Middle School Improvements/Renovations
- Maysville Elementary School Reroofing
- Tennerton Elementary School Reroofing
- Union Educational Complex
- Grafton High School Renovations



ARMSTRONG HALL PARAPET COPING CONSULTATION

West Virginia University



Location:

Morgantown, WV

Alpha was engaged by West Virginia University to assess the damaged parapet coping stones on the roof of Armstrong Hall on WVU's downtown campus.

A recent fire on the roof of the building was caused by debris associated with a nearby reroofing project caught fire near the parapet. During the firefighting process, five (5) of the limestone parapet coping stones were damaged.

Alpha considered multiple repair procedures and inquired with stone cutters to find a solution that wouldn't suffer the same potential problem of infiltration along the joint between the original stone sections and the make-up wythe.

After thorough research, it was revealed that having new limestone parapet stones cut to match the original coping stones was surprisingly cost effective. As this option was also the most durable and safest option for students, staff and WVU community. Complete replacement of the five (5) damaged stones was recommended.



PROJECT INFORMATION:

- ★ Services Provided:
Structural Engineering
- ★ Size:
1,500 sq. ft.
- ★ Completion Date:
2022
- ★ Design Cost: Construction Cost:
\$5,000 \$600,000
- ★ Reference:
Brian Gillespie, Project Manager
WVU Design & Construction
Morgantown, WV 26506

MORGANTOWN CITY HALL FAÇADE RESTORATION

City of Morgantown



Location:

Morgantown, WV

The 1926 limestone and brick building had once been the City of Morgantown's Fire and Police Department. Now operating as City Hall for Morgantown, WV; deferred maintenance and aging of structure over the past nearly 100 years, required significant repairs to the limestone edifice.

It was determined that one of the major failures of the limestone façade was occurring in a location that should have had an expansion joint. This structural anomaly was repaired with the reuse of existing limestone, and newly quarried stone from the original quarry. Other repairs and restoration were performed at the limestone parapet and brick sidewalls at windows and cornices on three sides of the building, and inner court.

Alpha Associates provided the following services to complete the project:

- α Discovery, site investigation and probing
- α Building envelope model and analysis
- α Restoration, repair design & estimate of probable cost
- α Bidding and Construction Administration Services



PROJECT INFORMATION:

- ★ Services Provided:
Engineering and Construction
Administration
- ★ Size:
Building Exterior
- ★ Completion Date:
2018
- ★ Cost:
\$ 600,000
- ★ Reference:
Damien Davis, City Engineer
Morgantown, WV
304.284.7412

CHEAT LAKE ELEMENTARY SCHOOL RENOVATIONS AND ADDITIONS

Monongalia County Schools



Location:

Morgantown, WV

Alpha provided professional design services for the renovations at Cheat Lake Elementary School and the former Cheat Lake Middle School.

The project consisted of combining the elementary school and the middle school into one elementary facility. Alpha's work involved significant interior remodeling, complete re-roofing, asbestos abatement, MEP upgrades, and the design of a connecting skywalk between the schools. Work also included revising parking and traffic flow for the combined school.

In addition to the skywalk, other renovations and additions include a new computer lab, retooled classrooms for fourth and fifth grades and a stage for the gym.



PROJECT INFORMATION:

- ★ Services Provided:
Architectural & Engineering Services
- ★ Size:
42,000 sq. ft.
- ★ Completion Date:
2010
- ★ Cost:
\$ 4.4 Million
- ★ Reference:
Amanda Washington
1751 Earl L. Core Road
Morgantown, WV 26505
304.291.9210 ext. 1544

WVDOH DISTRICT 2 ROOFING SERVICES

Headquarters Roof Replacement

Huntington, WV | Date Completed: 2014

Alpha Associates, Inc. provided architectural design and structural engineering services for a multi-phasic roof replacement of the WV Department of Highways District 2 Headquarters located in Huntington, WV. Alpha's team evaluated various solutions to provide the most efficient and most cost-effective method of roof replacement. The existing roof was ballasted EPDM, and had been laid over a four-ply built-up roof. Testing determined that the BUR (Built-up Roof) material under the EPDM had significant quantities of asbestos. After removal, the roof was replaced with, glued, and mechanically fastened insulation and 90 mil EPDM.



Shop Building Roof Replacement

Huntington, WV | Date Completed: 2014

Alpha Associates, Incorporated provided architectural design, civil and structural engineering for a multi-phasic roof replacement of the WV Department of Highways Headquarters 2 Shop Building located in Huntington, WV. Site constraints and adjacent overhead structures made the development and construction of the project very challenging. The new roof included EPDM over insulated flute fillers and cover board. New stainless steel gutter liners with additional rain leaders were used to improve roof drainage and stop liquid rain infiltration.



Project Contact:

Chris Francis, WVDOH Project Manager
304.558.9693
chris.j.francis@wv.gov

ND PAPER – HYDAPULPER BUILDING

ND PAPER LLC / Day & Zimmerman



Location:

Morgantown, WV

ND Paper's Fairmont, WV mill produces 100% recycled kraft pulp using a chlorine-free bleaching process. It is one of only three pulp mills in the world that produce air-dried recycled pulp.

Late in 2018, ND Paper (NDP) embarked on an ambitious, strategic capital upgrade program across its mills. To effect a significant increase in capacity, NDP planned a second production line at its Fairmont Mill utilizing hydrapulper technology. Due to its enormous size – the world's largest as of construction – this piece of equipment and its process piping could not fit within the vertical envelope of the existing building. NDP awarded a design-build contract to demolish a section of the existing warehouse area and construct a new, larger industrial structure. Alpha provided architecture, structural engineering, building envelope design, and construction administration services.

Located in the valley along the Monongahela River, sandy/silty soils and uncontrolled fill required deep, drilled-shaft foundations. Caisson diameters as large as 6 ft were considered for the project with rock sockets of up to 12 ft. Both pier cap and grade beam systems were used in the new foundation. The superstructure design required extensive analysis as well as coordination with industrial process designers. And since the 70' high bay of the new structure would alter the roof line, it created new snow drifts and wind loads. These new interface conditions with the plant's existing metal building structures necessitated a detailed analysis of the original building frame and roof systems.



PROJECT INFORMATION:

- ★ Services Provided:
Architectural, Engineering & CA
- ★ Size:
Site Improvements
- ★ Completion Date:
2020
- ★ Cost:
\$ 20 Million
- ★ Reference:
Geroge Thomas
ND Paper
304.333.6171
george.thomas@us.ndpaper.com

WVU – PERCIVAL HALL ROOF REPLACEMENT

West Virginia University - Percival Hall
Morgantown, WV | Date Completed: 2012

Size: 4,000 sq. ft.

Cost: \$3,400

Services: Engineering

WVU was interested in replacing the roof deck structure on a limited area of Percival Hall. The existing gypsum roof deck was damaged when a portion of the roofing membrane came loose during a storm and allowed the structural deck to be damaged by water. Alpha worked with the University to replace the existing gypsum deck with a new steel deck system.



Alpha's Scope of Work included:

1. Field measurement to confirm dimensions of the roof and objects on the roof that need to be included in the construction documents.
2. Design of a new roof deck system for the area of the roof of Percival Hall above the rooms originally designated as the wood chemistry room and the wood properties lab. These rooms are currently being utilized as office space.
3. Signed and sealed construction drawings, including a roof demolition plan, a new roof plan, roof sections and details, and a note sheet covering specific aspects of the work.
4. Shop drawings review.
5. Two (2) site visits during construction.

Project Contact:

Brain Gillespie, Construction Manager
WVU Facilities Management
979 Rawley Lane
Morgantown, WV 26505

METROPOLITAN THEATRE – ROOF REPAIR PROJECT

City of Morgantown



Location:

Morgantown, WV

Alpha provided the City of Morgantown with a replacement roofing system design for their Metropolitan Theatre property. The roof was nearing end-of-life, and, as part of the design, the City wanted to schedule a removal of several rooftop units and accessories that were obsolete or otherwise non-functioning. In addition, they requested review of roof access safety for maintenance personnel with design of new ladders (or modifications of existing) and fall protection for the high and low roofs, as required.

In Phase 1, Alpha provided site investigation of the roofing systems to identify an appropriate roofing system in-line with the City's budget. The design package, Phase 2, selected by the City included a demolition and new roofing system. In Phases 3&4, Alpha coordinated and administered a pre-bid meeting, conducted a kick-off meeting, and responded to written RFI's. Alpha also performed periodic site-visits to verify general compliance with the contract documents and provided written field reports for all formal site visits.



PROJECT INFORMATION:

- ★ Services Provided:
Architectural & Engineering Services
- ★ Size:
9,500 sq. ft.
- ★ Completion Date:
2020
- ★ Cost:
\$ 227,115
- ★ Reference:
Damien Davis, PE | City Engineer
City of Morgantown
389 Spruce Street
304.284.7398



Alpha's Fall Protection Expertise

Engineering Services

WVU Chemistry Research Building Rooftop Fall Protection Morgantown, WV

Alpha has worked with WVU for a majority of their Fall Protection projects. Our most recent protection project consisted of Alpha providing subconsultant engineering services related to designing the connections needed for a new roof top fall protection mounts for the WVU Chemistry Research Building.



Alpha's Scope of Work included:

- 1) Review of the available drawings for the building provided by WVU.
- 2) Visited the site to assess the condition of the structural elements of the roof system in the defined area.
- 3) Designed the fall protection mounting connections for both conditions based on standard fall protection mounting points as selected by WVU and the leading consultant.
- 4) Provided stamped and sealed drawings for both types of mounting conditions.

Project Contact:

John Bornak, Vice President
Tri-State Roofing and Sheet Metal
733 Fairmont Road
Morgantown, WV 26501



WVU Chitwood Hall Fall Protection

Morgantown, WV

Alpha was engaged by WVU to design a fall protection anchorage system for the roof of Chitwood Hall on the downtown campus. The anchorage points were necessary to achieve OSHA compliant fall protection anchorage points for roofers and maintenance personnel. Our personnel verified each of the proposed mounting point locations are capable of supporting the OSHA required 5,000 pound fall protection load.



Project Contact:

Brian Gillespie, Project Manager
 West Virginia University, Design & Construction Services
 979 Rawley Lane
 Morgantown, WV 26506

Resolute Roof Walking Paths

Fairmont, WV

Alpha was requested to visit the Resolute Fairmont Pulp Mill to establish safe walking paths on a portion of the roof that is due to have maintenance work performed on it. Our team provided drawings giving specifics on how to navigate safely through corrosion while walking up or down the roof slope. Alpha also demonstrated how to visibly sport “ghost” lines which are visible in the degrading surface finish. Given the two areas of the roof which were in poor condition, Alpha recommended to seriously consider the replacement of both areas for the value of the product and safety of personnel who are required to be on the roof.



Project Contact:

George Thomas, Senior Project Engineer
 Resolute Forest Production, Fairmont Pulp Mill
 702 AFR Drive
 Fairmont, WV 26554



WVU Rec Center Fall Protection

Morgantown, WV

Alpha was engaged by WVU to design a fall protection anchorage system for the roof of Rec Center. The anchorage points were necessary to achieve OSHA compliant fall protection anchorage points for roofers and maintenance personnel. Our personnel designed in accordance with the International Building Code, the Life Safety Code, and the West Virginia State Fire Code. The cable support designs were based on requirements of ASCE 19-96, structural applications of steel cables for buildings.



Project Contact:

West Virginia University, Design & Construction Services
979 Rawley Lane
Morgantown, WV 26506

WVU Fall Protection

Morgantown, WV

Alpha observed existing conditions of an existing access ladder leading up to WVU's Coliseum's compression ring platform, following OSHA's current regulations at that time. Our team deemed the ladder to be uneconomical to retrofit the existing ladder, as it was not in conformance with several Standards. Instead, it was more practical to obtain a completely new ladder and platform assembly.



Project Contact:

West Virginia University, Design & Construction Services
979 Rawley Lane
Morgantown, WV 26506

WVANG HANGAR DOORS EVALUATION(S)

Project Background

At the WVANG's base, there are three (3) hangars with a total of five (5) hangar doors. The doors on each hangar include one large center door with two (2) smaller doors on both sides of the center door. The center doors are approximately 90' tall and 90' wide while the flanking doors are all approximately 40' wide and 40' tall.

Alpha has completed two (2) evaluations of these hangar door structural elements. In 2017, the main (center) door on hangar 308 was not in operation due to a failure. The door has since been rebuilt with a new bottom structural member. In 2019, Alpha visited the site again to perform an annual limited structural evaluation of the bottom's structural members of the hangar doors on all three (3) aircraft hangars for any structural deficiencies.



167TH AIRLIFT WING

For purposes of organizing, the doors will be numbered 1-5 going left to right as viewed from inside. Door 3 is always the center door.

West Virginia Air National Guard 167th Airlift Wing Base

Martinsburg, WV | Date Completed: 2019

Size: 90'x90' and 40'x40' sq. ft.

Cost: \$3,000

Services: Engineering

During investigation, Alpha concluded that:

1. Hangar 305

- a. Door 3 – Alpha recommended that the truss weld nodes showing signs of corrosion should be touched up with a compatible primer to prevent any significant deterioration.
- b. Doors 2 & 4 – Alpha did not find any significant condition issue for these doors.
- c. Doors 1 & 5 – Alpha found chipped primer along the beams which can be a potential starting point for corrosion on the bottom composite tube lifting beams. Alpha recommended that the chipped areas on these beams should be sanded down and touched up with a compatible primer to prevent corrosion.

2. Hangar 306

- a. Door 3 – Alpha noted no condition issues for the bottom space truss on the door.
- b. Doors 1, 2, 4 & 5 – The only condition issue found on the following doors was the coating damage and minor corrosion on top inside chord of door 2. The damaged area should be sanded, primed and painted to prevent further corrosion.

3. Hangar 308

- a. Door 3 – Alpha found lifting and handling damage near one of the nodes as a potential spot for corrosion to begin on the space truss of the door. Alpha recommended that the damaged area should be sanded down and touched up with a compatible primer to prevent any significant damage.
- b. Doors 2 & 4 – No condition issues were noted for the composite beam lifting elements located above the bottom panels of the doors.
- c. Doors 1 & 5 – No condition issues found other than minor rub marks on the bottoms composite beam tubes on doors, no needed recommendations.

Overall, the doors revealed no serious structural defects, only recommended to touch up areas where the coatings on the trusses or composite beams are damaged.

West Virginia Air National Guard 167th Airlift Wing Base

Martinsburg, WV | Date Completed: 2017

Size: 90'x90' and 40'x40'

Cost: \$2,500

Services: Engineering

In 2017, Alpha was tasked with evaluating the structural bottom lifting elements of the hangar doors for the first time. The system that allows the hangar doors to be opened and closed are marvelously simple and effective; however, the center door (3) in Hangar 308 was not in place. The door collapsed catastrophically prior to the site visit. During evaluation, Alpha discovered only one major structural element that involved resisting the vertical forces as the doors are opened and closed. Alpha recommended to have welds tested with non-destructive testing methods to reveal if the failure was caused by a welded field splice.

Project Contact:

Paul Cummings, II
National Door Service, Inc.
3501 Century Avenue
Baltimore, MD 21227
410.245.2648

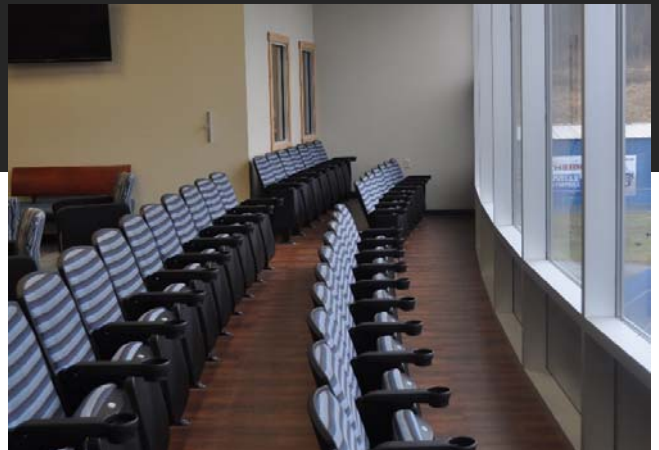
I.L. & SUE MORRIS STADIUM EXECUTIVE SKYBOX

Private Client



Location:

Glenville, WV



Alpha Associates, Incorporated provided architectural design and extensive structural and civil engineering for the completion of the I.L. And Sue Morris Stadium Executive Skybox at Glenville State College located in Glenville, WV. The Executive Skybox is adjacent to the Morris Center overlooking the football stadium. The ground floor was an extension of the existing lock room containing meeting rooms and offices for the coaches and referees. The building included restrooms on the ground floor and a luxury skybox and suites to entertain guest and donors to the school.

A significant addition to the structure is the large scoreboard structure that is contained on the roof of the skybox. The scoreboard has significant weight and wind load that must be accounted for and transferred to the foundations.

PROJECT INFORMATION:

- ★ Services Provided:
Architectural & Engineering
- ★ Size:
3,700 sq. ft.
- ★ Completion Date:
2012
- ★ Cost:
\$ N/A
- ★ Reference:
Tom Ratliff
Glenville State College
304.462.8619

APPENDIX

REFERENCES

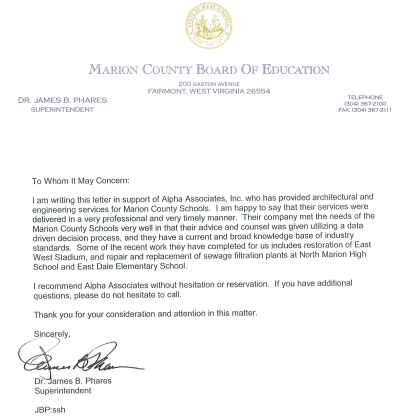
LETTERS OF RECOMMENDATION



Marion County Board of Education Fairmont, WV

"I am happy to say that their (Alpha's) services were delivered in a very professional and very timely manner. Their company met the needs of the Marion County Schools very well in that their advice and counsel was given utilizing a data driven decision process, and they have a current and broad knowledge base of industry standards. I recommend Alpha Associates without hesitation or reservation."

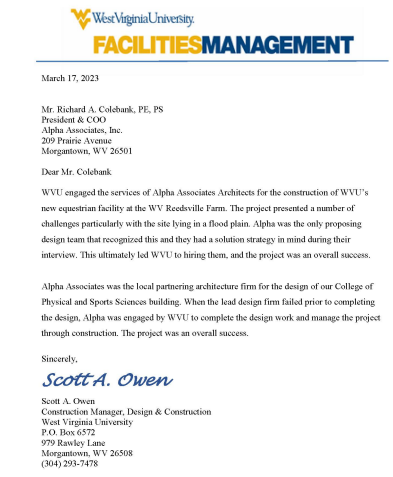
- Dr. James Phares, Former Superintendent



West Virginia University Morgantown, WV

"Alpha was the only proposing design team that recognized our project challenges and provided a solution strategy in mind during their interview. This ultimately led WVU to hiring them, and the project was an overall success. Alpha was the local partnering firm for the design of our College of Physical and Sports Sciences buildings. When the lead design firm failed prior, Alpha was engaged to complete the design work and managed the project through construction. Our partnered projects have been an overall success."

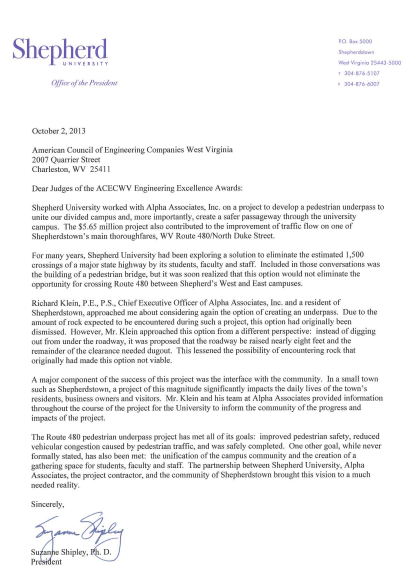
- Scott Owen, Design & Construction Manager



Shepherd University Shepherdstown, WV

"Alpha worked with Shepherd University on a pedestrian underpass development project to unite the divided campus and, more importantly, create a safer passageway. The Alpha team provided information throughout the course of the project so the University could inform the community of the progress and impacts of the project. The Route 480 pedestrian underpass project goals were met and even surpassed when another, while never formally stated, goal was met: the unification of the campus community and the creation of a gathering space for students, faculty and staff. The partnership between Shepherdstown University, Alpha, and the community of Shepherdstown brought this vision to a much needed reality."

- Suzanne Shipley, Ph. D.
Former President of Shepherd University



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/YYYY) **2024**
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).

PRODUCER MEDALLION INSURANCE SERVICES PO Box 79089 Charlotte NC 28271	CONTACT NAME: Phyllis Constantino PHONE (A/C, No, Ext): (704) 256-6000 FAX (A/C, No): (704) 256-6001 E-MAIL ADDRESS: phyllis@medallioninsurance.com <table style="width:100%;"> <tr> <th style="text-align: center;">INSURER(S) AFFORDING COVERAGE</th> <th style="text-align: center;">NAIC #</th> </tr> <tr> <td>INSURER A: Kinsale Insurance Company</td> <td style="text-align: center;">38920</td> </tr> <tr> <td>INSURER B:</td> <td></td> </tr> <tr> <td>INSURER C:</td> <td></td> </tr> <tr> <td>INSURER D:</td> <td></td> </tr> <tr> <td>INSURER E:</td> <td></td> </tr> <tr> <td>INSURER F:</td> <td></td> </tr> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A: Kinsale Insurance Company	38920	INSURER B:		INSURER C:		INSURER D:		INSURER E:		INSURER F:	
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INSURER D:															
INSURER E:															
INSURER F:															
INSURED Alpha Associates, Incorporated 209 Prairie Ave Ste 209 Morgantown WV 26501															

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
	COMMERCIAL GENERAL LIABILITY <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 OTHER:						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y / <input type="checkbox"/> N (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						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 \$3,000,000 AGGREGATE \$3,000,000

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

CERTIFICATE HOLDER Information Purposes	CANCELLATION 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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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)