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Header 1

[List View](#)

General Information Contact Default Values Discount Document Information Clarification Request

Procurement Folder: 1050461

SO Doc Code: CEOI

Procurement Type: Central Contract - Fixed Amt

SO Dept: 0403

Vendor ID: 000000201753

SO Doc ID: DBS2200000003

Legal Name: ALPHA ASSOCIATES INC

Published Date: 6/24/22

Alias/DBA:

Close Date: 7/13/22

Total Bid: \$0.00

Close Time: 13:30

Response Date: 07/13/2022

Status: Closed

Response Time: 11:44

Solicitation Description: EOI: General Campus Site Upgrades and Renovations

Responded By User ID: hailey.hill

Total of Header Attachments: 1

Total of All Attachments: 1

First Name: Hailey

Last Name: Hill

Email: hailey.hill@thinkalphafirst.cor

Phone: 3042968216



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: 1050461
Solicitation Description: EOI: General Campus Site Upgrades and Renovations
Proc Type: Central Contract - Fixed Amt

Solicitation Closes	Solicitation Response	Version
2022-07-13 13:30	SR 0403 ESR07132200000000193	1

VENDOR
000000201753
ALPHA ASSOCIATES INC

Solicitation Number: CEOI 0403 DBS22000000003
Total Bid: 0
Response Date: 2022-07-13
Response Time: 11:44:54
Comments:

FOR INFORMATION CONTACT THE BUYER
Joseph E Hager III
(304) 558-2306
joseph.e.hageriii@wv.gov

Vendor		
Signature X	FEIN#	DATE

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	General Campus Site Upgrades and Renovations				0.00

Comm Code	Manufacturer	Specification	Model #
81101508			

Commodity Line Comments:

Extended Description:

General Campus Site Upgrades and Renovations



THE WEST VIRGINIA SCHOOL FOR THE DEAF AND THE BLIND

STATEMENT OF QUALIFICATIONS for Architectural/Engineering Services

Submission Date: July 13, 2022



CONTACT

Address

Richard Colebank, President & COO
Alpha Associates, Incorporated
209 Prairie Ave.
Morgantown, WV 26501



Phone & Fax

Phone: 304-296-8216
Fax: 304-296-8216

Online

Email: rick.colebank@thinkALPHAfirst.com

Website: www.thinkALPHAfirst.com

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

Attn: Joseph Hager

RE: CEOI 0403 DBS2200000003
A/E Services for Renovation and Assessment Projects at the WVSD

Dear Mr. Hager,

Alpha Associates, Incorporated is pleased to submit this expression of interest for the renovation and assessment projects at the WV Schools for the Deaf and Blind. Alpha's decades of experience with K-12 facilities, our highly skilled staff and our existing relationship with the General Services Division make us the perfect partner on these important projects. Alpha has performed significant work in the Region over the past five years and we understand the challenges of the construction within the area. Construction on an operating facility also has its challenges that Alpha is well versed.

Alpha has extensive expertise and understanding when it comes to the design and renovation of school facilities having completed numerous school projects across the State of West Virginia from Jefferson County to Wyoming County including new schools as well as partial and complete renovations. Our staff is committed to ensuring that each project designed exceeds our clients' expectations. We will accomplish this by setting and achieving the programmatic goals for the project while insuring that both budget and schedule are met. We have experience in not only the design and administration of K-12 schools but also in roof replacements, structural assessments and parking lot design. We have partnered with H.F. Lenz for all MEP design needs of the WVSD. Alpha and Lenz have teamed on numerous projects over the years and act as a single entity.

Design Team

Alpha is a West Virginia owned and operated architectural and engineering design firm with 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 and civil and structural engineering will prove to be beneficial to your project.

Project Understanding

The General Services Division is looking to partner with a firm to provide services for renovations and assessment on the campus of the WV School for the Deaf and Blind. These include designing and constructing a new entry and bus loop at the front of campus, as well as designing an outdoor classroom and green house and adding a truck accessible loading dock to the Sevigny Building.

Summary

Alpha is committed to providing the General Services Division a design team that will surpass your every expectation. We will work with the GSD to provide assistance for the comprehensive educational facilities plan as well as the various upgrades and renovations needed. 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

WELCOME TO ALPHA ASSOCIATES, INC.

FIRM PROFILE

Contract Role: Prime

Architect & Engineer

Address

209 Prairie Ave
Morgantown, West Virginia 26501

535 West King Street
Martinsburg, West Virginia 25401

Number of Employees

21

Principals

Richard A. Colebank, PE, PS; President & COO
Richard W. Klein, PE, PS; Chairman & CEO
Charles B. Luttrell, PE; Senior Principal
Charles B. Branch, PE; Senior Principal
Matthew T. Echard, PE; Principal

Services

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



Johnstown Headquarters

1407 Scalp Avenue
Johnstown, PA 15904
Phone: 814-269-9300
Fax: 814-269-9301

Central Pennsylvania Office

549 North Mine Road
Lebanon, PA 17042
Phone: 717-461-3916

Pittsburgh Office

1051 Brinton Road
Pittsburgh, PA 15221
Phone: 412-371-9073

Ohio Office

322 State Street
Conneaut, OH 44030
Phone: 440-599-7800
Fax: 440-599-7801

Connecticut Office

101 Centerpoint Drive
Suite 237
Middletown, CT 06457
Phone: 860-316-2124



H.F. Lenz Company

Currently in its 75th year, the H.F. Lenz Company (HFL) is a nationally ranked multi-discipline engineering firm with a strong commitment to technical excellence and unparalleled customer service. From planning and design through commissioning and operations support, we work with our clients to find the best solutions that meet current needs while providing the flexibility and scalability to accommodate future growth and new technologies. Our firm employs 160+ individuals working out of our Johnstown-based headquarters and satellite offices in Pittsburgh and Lebanon, Pennsylvania, Conneaut, Ohio, and Middletown, Connecticut. Services for this contract will be handled by our Johnstown Headquarters.

DISCIPLINES/SERVICES OFFERED IN-HOUSE INCLUDE:

- › Mechanical Engineering
- › Electrical Engineering
- › Fire Protection / Life Safety Engineering
- › Communications Engineering
- › Structural Engineering
- › Civil Engineering
- › Energy Services
- › Commissioning
- › Construction Phase Services
- › LEED Design Services
- › ENERGY STAR
- › GIS Mapping
- › Surveying
- › Studies

EDUCATIONAL FACILITIES have been a major part of the H.F. Lenz Company's professional practice throughout our 75 years of operation. We have provided the mechanical/electrical evaluation, design, and construction administration for literally hundreds of educational facilities. Our portfolio of projects includes public primary and secondary schools; Catholic Diocese schools; vocational-technical schools; colleges and universities; child care centers; and environmental education centers for the PA DCNR. This experience includes feasibility studies, technical assistance studies for energy conservation measure grant applications, the design of new facilities, and the design of alterations and renovations. These projects include PlanCon, West Virginia School Building Authority reimbursable projects, and those funded entirely with local resources, as well as several Private School projects.

LEED AND SUSTAINABLE DESIGN

H.F. Lenz Company has been ranked in the "Top 100 Green Design Firms" in the Country, several times, by ENR Magazine. We have been a member of the United States Green Building Council since 2000 and currently have 20 LEED® Accredited Professionals on staff. We currently have 120+ projects which have attained various levels of LEED Certification, and numerous more projects pending Certification, in total over 16 million sq.ft.

STATEMENT OF QUALIFICATIONS.

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

Since 1969, Alpha has provided architectural and engineering design services throughout the state of West Virginia. We have worked with many local, state and federal government entities on numerous projects of varying sizes and types. Our team of engineering professionals have recent, relevant experience in the preparation of civil/site plans and infrastructure planning and design. . In this proposal, you will find examples that showcase the Alpha Team's exceptional project experience on similar types of projects.

Alpha has the knowledge and understanding in design and construction to complete this project seamlessly from the initial project inspections to the development of plans. The Alpha team will be your expert for this project.

Alpha's philosophy has always been to provide exemplary services for fair fees. We have always believed that the best way to succeed as a business is to go above and beyond the basic requirements of our contracts and do everything necessary to successfully complete the given project. What is best for the client is inevitably best for us too.

Everyone at Alpha, from the President to the administrative staff, all work towards the goal of completing successful projects. Our principals are involved with projects from the earliest stages right through final completion and beyond. They will consistently update you on your project by using effective communication tools to manage the projects and all the involved parties. Our skilled staff of twenty one (21) architects, engineers, surveyors and administrative personnel all work diligently towards producing drawings and specifications that will deliver our clients successful projects, completed on time and within budget.

Alpha has thrived for over 52 years because we are a professional organization dedicated to providing superior architectural and engineering design services to our clients. While our staff is large enough to handle any size project, we are also small enough to give each and every one of our projects the individual attention to detail that will make them successful projects for our clients.

THINK ALPHA FIRST.

STAFF PLANNING

TO BE ASSIGNED TO YOUR PROJECT.

All work to be performed for the WV School for the Deaf and the Blind will be managed out of Alpha's Morgantown office in conjunction with H.F. Lenz headquarters in Johnstown, PA. 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 with any potential project need.



Richard A. Colebank
PE, PS
Principal in Charge



Charles Branch
PE
Senior Principal, Project Manager



Charles Luttrell
PE
Principal, Structural Engineer



Rebecca Key
AIA, LEED-AP
Director of Architecture



Casey Smith
AIA, Associate
Architectural Designer



Joel C. Shumaker
PE
Principal in Charge
H.F. Lenz



John M. Weiland
PE, CEM, LEED AP
Mechanical Engineer



Lucas E. Shumaker
PE, CPHD
Mechanical Engineer



Frank T. Restly
EIT
Electrical Designer



Christopher A. Formica
Plumbing/Fire Protection
Designer

MEET ALPHA'S TEAM.

MANAGERS

Richard W. Klein
PE , PS
Chairman & CEO

Richard A. Colebank
PE , PS
President & COO

ARCHITECTURE

Rebecca Key
AIA-LEEP-AP
Director of
Architecture

Casey Smith
AIA Assoc.
Architectural Designer

Todd Lewis
AIA Assoc.
Architectural Technician

Gabrielle Dixon
Architectural
Technician

Alex Haill
Construction
Administration

CIVIL ENGINEERING

Charles Branch
PE, Senior Principal
Senior Civil Engineer

Bradley Casdorph
PE, PS
Civil Engineer

Tom Simpson
PE
Civil Engineer

David Costello Jr.
PS
Manager of Surveying

Julie Frazee
Engineering Technician

Terry Higgins
Field Representative

Kevin McClung
Engineering Technician

Barbara Kerns
Survey Crew

Tyler Collins
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

Joanna Stemple
Marketing Coordinator

Kim Coomler
Administrative Assistant

MECHANICAL, ELECTRICAL ENGINEERING

Joel C. Shumaker
PE, C.B.I.E., LEED AP
Principal-In-Charge

John M. Weiland,
PE, CEM, LEED AP
Project Engineer

Lucas E. Shumaker
PE, CPHD
Mechanical Engineer HVAC

Christopher A. Formica
Plumbing/Fire
Protection Designer

Frankly T. Restly
E.I.T
Electrical Designer



RICHARD A. COLEBANK

PE,PS; PRESIDENT & COO

☎ 304-296-8216 | 800-640-8216

✉ rick.colebank@thinkalphafirst.com

EMPLOYMENT HISTORY

1985-Current | Alpha Associates, Inc.

1983-1985 | Charles Townes & Associates, P.C.

1983 | US Army Corps of Engineers

EDUCATION

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

QUALIFICATIONS

License: Professional Engineer: West Virginia, Maryland, Pennsylvania, Virginia

Professional Surveyor: West Virginia

Certified Private Pilot

AFFILIATIONS

Former NSPE/PEPP Governor of WV

American Red Cross- State Board

University High School Foundation; Charter Member; President

Morgantown Area Chamber of Commerce; Past Chairman

WVU College of Civil and Environmental Engineering Visiting Committee

WVU College of Business and Economics MBA Advisory Committee

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 continuing to manage projects.

PROFILE

Broad-based responsibilities in the following areas:

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

PROFESSIONAL HIGHLIGHTS

Project Principal:

- Morgantown Municipal Airport Access Road; Morgantown, WV
- Mon General Access Road; Morgantown, WV
- WVU Reedsville Farm Redevelopment; Reedsville, WV
- Monongalia General Hospital Access Road; Morgantown, WV
- WVDOH 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

1992-Current | Alpha Associates, Inc.

1988-1992 | Reimer, Muegge, & Associates, Inc.

EDUCATION

West Virginia University
Bachelor- Civil Engineering; 2000

Fairmont State College
Bachelor- Architectural Engineering
Technology; 1988

QUALIFICATIONS

License: Professional Engineer;
West Virginia

AFFILIATIONS

WV Society of Professional Engineers
National Society of Professional Engineers

CHARLES B. BRANCH

PE; SENIOR PRINCIPAL & CIVIL ENGINEER

☎ 304-296-8216 | 800-640-8216

✉ chuck.branch@thinkalphafirst.com

SUMMARY

As Chief Engineer for site development and planning projects, Mr. Branch is a vital part of the design process at Alpha. His involvement spans from strictly civil engineering projects, to the design of large scale educational projects and medical facilities. Mr. Branch acts as peer review for young engineers in the firm on issues ranging from storm water management to site design. Mr. Branch is also involved in commercial and residential development design, roadway and bridge design and utilities layout.

PROFILE

Broad-based responsibilities in the following areas:

- Highway Design
- Municipal Engineering
- Wastewater Collection
- Storm Sewer 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



REBECCA KEY

AIA, LEED-AP; DIRECTOR OF ARCHITECTURE

☎ 304-296-8216 | 800-640-8216

✉ rebecca.key@thinkalphafirst.com

EMPLOYMENT HISTORY

2000-Current | Alpha Associates, Inc.

1983-1999 | Alexander Key and Associates

1978-1983 | Webster Clothes;
Director of Store Planning

EDUCATION

University of Maryland
Bachelor of Architecture; 1977

Maryland Institute College of Art
Coursework in Furniture Design; 1986-1987

QUALIFICATIONS

License: Registered Architect: Maryland,
New York, Pennsylvania, Virginia,
Washington DC, 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

U.S. Green Building Council

AIA Liveable Communities

Marion County Chamber of Commerce

Leadership Kanawha Valley
Class of 2014

SUMMARY

Ms. Key has worked in the architectural field for over 35 years. She serves as Project Architect/Project Manager for numerous architectural projects 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 and Space Planning

Feasibility Studies

Water Infiltration Analysis

Historic Renovation

Project Management

PROFESSIONAL HIGHLIGHTS

WV Boreman Hall; Morgantown, WV

Ruby Memorial Hospital Emergency Room; Morgantown, WV

Lewis County H.S. Medical Facility; Weston, WV

Camden-On-Gauley Medical Center; Camden-On-Gauley, WV

Camden Dental/Medical Arts Grant; Camden-On-Gauley, WV

Camden Family Health Dental Suite; Camden-On-Gauley, WV

WV Office of Miners Health Safety and Training Facility; Oak Hill, WV

WV State Office Building; Clarksburg, WV

WV State Office Building; Parkersburg, WV

WV DOH District 7 Lab & Multi-purpose Building; Weston, WV

West Virginia Regional Technology Park Renovation to Building 770; South Charleston, WV

Mon County Family Court Renovation; Morgantown, WV

Mon County Sheriff's Department; Morgantown, WV

Fairmont State University Prichard Hall Renovation; Fairmont, WV

Augusta Apartment Building; Morgantown, WV

Ridgedale Elementary; Morgantown, WV

Mountaineer Middle; Morgantown, WV

Washington High School; Charles Town, WV

Ruby McQuain Amphitheater Roof; Morgantown, WV

North Fork Hughes River State Park; Ritchie County, WV



EMPLOYMENT HISTORY

2016-Current | Alpha Associates, Inc.

2014-2016 | MSES Architects

2011-2014 | Blackwood Associates

2007-2009 | Vandalia Heritage Foundation

EDUCATION

Boston Architectural College
Master of Architecture

Fairmont State University
Bachelor- Architecture
2009

CASEY SMITH

AIA ASSOC.; ARCHITECTURAL DESIGNER

☎ 304-296-8216 | 800-640-8216

✉ casey.smith@thinkalphafirst.com

SUMMARY

Mr. Smith has been employed with Alpha Associates, Inc since 2016. He has worked on several architectural projects including multi-million dollar projects and public sector clients. Mr. Smith came to Alpha with an impressive background in educational, commercial, and local government facilities. He has offered assistance in project management, using his background to further improve the quality of each project he is involved with. Mr. Smith has been an incredible asset to Alpha Associates and proves to be an asset in each of his projects.

PROFILE

Broad-based responsibilities in the following areas:

- Architectural/Structural Construction Drawings
- Construction Administration
- Project Management Assistance

PROFESSIONAL HIGHLIGHTS

Construction Administration Projects:

- Cacapon State Park Lodge Renovation
- Los Mariachis New Restuarant; Morgantown, WV
- Freedom Ford Automotive Dealerships; Granville, WV
- Elkins Fordland; Elkins, WV
- Federal Group GSA VA Tenant Improvement Project
- Point Marion ADA Deck; Point Marion, PA
- Los Mariachis Renovation; Morgantown, WV
- WVU Hazel Ruby McQuain Education & Resource Center; Reedsville, WV
- Martinsburg Queen St. Underpass; Martinsburg, WV



CHARLES B. LUTTRELL

PE; SR. PRINCIPAL & STRUCTURAL ENGINEER

☎ 304-296-8216 | 800-640-8216

✉ charlie.luttrell@thinkalphafirst.com

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

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

QUALIFICATIONS

License: Professional Engineer: West Virginia,
Pennsylvania

AFFILIATIONS

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

RESEARCH EXPERIENCE

Cold Formed Steel Deck Research
Fastener Failures
Edge Conditions/Failures
Buttressed Overlap Shear Failures

Composite Cold Formed Steel and
Concrete Deck
Line Load Behavior/Failures
Concentrated Load Behavior/Failures
Web Crippling
Punch Failures

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

PROFESSIONAL HIGHLIGHTS

Structural Engineer:

- Freedom Automotive Group 3 Dealerships; Morgantown, WV
- Hazel Ruby McQuain Equine Education & Resource Center; WVU
- WVDOH 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; Phillippi, 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



MATTHEW T. ECHARD

PE; PRINCIPAL & STRUCTURAL ENGINEER

☎ 304-296-8216 | 800-640-8216

✉ matthew.echard@thinkalphafirst.com

EMPLOYMENT HISTORY

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

EDUCATION

Massachusetts Institute of Technology
Masters- Engineering & Environmental
Mechanics, 2002

West Virginia University
Bachelors of Science- Civil Engineering,
2000

QUALIFICATIONS

License: Professional Engineer:
West Virginia, California

California OES SAP Evaluator

AFFILIATIONS

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

PUBLICATIONS

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

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 in the United States, Europe, and the Middle-East, Mr. Echard returned to West Virginia to provide world-class service in a historically undeserved region while making positive contributions to the future growth of his home state. Mr. Echard places a large value on the collaborative work process. Believing that a building's form and function are derived from many contexts, Mr. Echard's office is located in the corporate office in Morgantown, WV. Mr. Echard also volunteers as the Chairman of the Gilmer County Unsafe Buildings and Lands Enforcement Authority.

PROFILE

Broad-based responsibilities in the following areas:

- Structural Engineering
- Structural Forensics
- Project Management

PROFESSIONAL HIGHLIGHTS

Project Manager & Structural Engineer:

- WVU Creative Arts Center Performance Access; Morgantown, WV
- WVU Aero/Combustion Lab Mezzanine; Morgantown, WV
- WVU Athletics Tennis Scoreboard; Morgantown, WV
- WVU Athletics Coliseum Scoreboard & Speakers; Morgantown, WV
- WVU CAFEE Building Addition; Morgantown, WV
- WVU Colson Hall, Admission & Records Access; Morgantown, WV
- WVU ESB Chiller Lines; Morgantown, WV
- WVU ESB Roof Fall Protection; Morgantown, WV
- WVU Health Sciences Center – Phase 1B HVAC; Morgantown, WV
- WVU Hodges Hall Renovation; Morgantown, WV
- WVU J.W. Ruby Research Farm; Reedsville, WV
- WVU Law School Precast Evaluation; Morgantown, WV
- WVU Mountainlair Façade Water Infiltration; Morgantown, WV
- WVU Mountainlair Gridiron Assessment; Morgantown, WV
- WVU Mountainlair Plaza Structural Assessment; Morgantown, WV
- WVU Stewart Hall MEP Upgrades; Morgantown, WV
- Westover Goodwill Structural Design; Morgantown, WV
- Weyerhaeuser Roof Evaluation; Heaters, WV
- Martinsburg Queen Street Underpass; Martinsburg, WV
- City Hall Façade Rehab; Morgantown, WV
- Metropolitan Theatre Roof; Morgantown, WV



BRADLEY CASDORPH

PE,PS; CIVIL ENGINEER

☎ 304-296-8216 | 800-640-8216

✉ brad.casdorph@thinkalphafirst.com

EMPLOYMENT HISTORY

2004-Current | Alpha Associates, Inc.

1979-2004 | Triad Engineering, Inc.

EDUCATION

West Virginia University

Masters- Soil Conditions and

Foundation Design; 1982

Bachelor- Civil Engineering; 1979

QUALIFICATIONS

License: Professional Engineer: West Virginia

Professional Surveyor: West Virginia

Certified Private Pilot

Certified FAA Part 107 Remote Pilot

AFFILIATIONS

WV Society of Professional Engineers

National Society of Professional Engineers

WVSPS- Mountain Regional Chapter; President

Aircraft Owners and Pilots Association; Member

SUMMARY

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

PROFILE

Broad-based responsibilities in the following areas:

Airport Planning and Design

Highway Design

Hydraulic and Hydrology Studies

Site Plan Development

Land Surveying , including the use of Aerial Drone Technology

PROFESSIONAL HIGHLIGHTS

Civil Engineering:

WVDOH Arnettsville Bridge Replacement; Monongalia County, WV

WVDOH Open Engineering Open End Contract; WV

WVDOH Deckers Creek Pedestrian Bridge; Morgantown, WV

Freedom Automotive Three Dealerships; Morgantown, WV

Freedom Kia Clarksburg; Clarksburg, WV

Morgantown Municipal Airport Access Road; Morgantown, WV

Mon General Hospital Access Road; Morgantown, WV

WVU - Lot 81 Parking Area Improvements; Morgantown, WV

McKee Crossing - 120 Acre Subdivision; Martinsburg, WV

WVU Reedsville Farm Redevelopment; Reedsville, WV

Mon General Hospital - East Parking Area; Morgantown, WV

Jane Lew Truck Stop; Jane Lew, WV

Point Marion Borough; Point Marion, PA

Clarksburg State Office Building; Clarksburg, WV

WVU College of Physical Activity & Sports Sciences; Morgantown, WV

VA Parking Lot SWM; Shepherdstown, WV

Arcland RV Parking Lot SWM; Charles Town, WV

Surveying:

WVDOH Arnettsville Bridge Replacement; Monongalia County, WV

Morgantown Municipal Airport Access Road; Morgantown, WV

Mon General Hospital Access Road; Morgantown, WV

Freedom Automotive Three Dealerships; Morgantown, WV

Freedom Kia Clarksburg; Clarksburg, WV



Joel C. Shumaker, P.E., C.B.I.E., LEED AP

Principal-in-Charge of MEP/FP systems Engineering

Mr. Shumaker is responsible for client contact, project scheduling, preparation of reports and cost estimates, coordination and supervision of project design teams, and other project management functions. Mr. Shumaker is experienced in the design of electrical systems for both new buildings and building retrofits for educational, health care, commercial, government, industrial, residential, and utility-related facilities. He is experienced in the design of power distribution systems; emergency power systems and monitoring; uninterruptible power supplies; lighting and emergency lighting systems; fire alarm systems; nurse call; security; sound; and telephone systems.

EDUCATION

Bachelor of Science, Electrical
Engineering Technology 1993,
University of Pittsburgh at Johnstown

EXPERIENCE

H.F. Lenz Company 1985-Present

PROFESSIONAL REGISTRATION / CERTIFICATION

Licensed Professional Engineer in
Pennsylvania, Connecticut,
Delaware, Maryland, New York,
Vermont, Virginia and West Virginia

PROFESSIONAL AFFILIATIONS

Pennsylvania Society of Professional
Engineers, Johnstown Chapter
Secretary • National Society of
Professional Engineers • Keystone
Chapter of Association of Physical
Plant Administrators • International
Society of Pharmaceutical Engineers
(ISPE)

PROJECT EXPERIENCE

West Virginia University - Morgantown, West Virginia

- › New 124,000 sq.ft. addition and major renovations to the existing 86,000 sq.ft. library building Charles Wise
- › Renovation and life safety upgrades to the 95,500 sq.ft. White Hall
- › New 54,000 sq.ft. Alumni Center

Community College of Allegheny County - Pittsburgh, Pennsylvania

- › Masterplan of Ridge Avenue Revitalization project
- › Renovations to the Physical Education building, West Hall, Student Services Center, the Library and 915 Ridge Avenue

Latrobe High School – Latrobe, Pennsylvania

- › Renovations and additions to this 300,000 sq.ft. high school; included a new four pipe heating/cooling hydronic system and a DDC control system for the boiler plant

Yale University – On-Call Engineering Services Contract - New Haven, Connecticut

- › Principal-in-Charge for an on-call MEP/FP engineering service contract for all three Yale Campuses; includes infrastructure assessments & design, operational issues, capital maintenance & repair, energy analysis, and project support

PA State System of Higher Education Open-End Contract for Professional AE Services – Various State Universities

- › Project Electrical Engineer for an Open-End term contract for Miscellaneous Engineering Services and Specialty Services for any of Pennsylvania's 15 State Universities



John M. Weiland, P.E., CEM, LEED AP

Project Engineer

Mr. Weiland specializes in the design of HVAC systems for colleges and universities and healthcare facilities. His responsibilities include client contact, project scheduling, preparation of reports and cost estimates, coordination and supervision of project design teams and other projects management functions. His duties include design calculations, equipment selection, schematic and construction document design, specification writing, and life cycle cost analyses.

EDUCATION

Bachelor of Architectural Engineering, 2002, Pennsylvania State University

EXPERIENCE

H.F. Lenz Company 2002-Present

PROFESSIONAL REGISTRATION / CERTIFICATION

Licensed Professional Engineer in Pennsylvania, Connecticut, New York and West Virginia • Certified Energy Manager • LEED Accredited Professional

PROFESSIONAL AFFILIATIONS

ASHRAE – Johnstown, PA Chapter

PROJECT EXPERIENCE

Washington High School, Charles Town, West Virginia

- › New 1500 student high school with Science and Technology Center with technology training labs, technology education, engineering, agricultural technology, and video conferencing

Curwensville School District – Curwensville, Pennsylvania

- › Renovation of the Elementary and High School

Somerset Jr/Sr High School – Somerset, Pennsylvania

- › Addition and alterations

West Virginia University – Morgantown, Pennsylvania

- › Renovation and life safety upgrades to the 95,500 sq.ft. White Hall
- › New 54,000 sq.ft. Alumni Center
- › Arnold Hall – Boiler replacement consisting of three natural gas-fired low pressure steam boilers with a capacity of 2,760 lb/hr each
- › Knapp Hall – Replaced two existing boilers with new 1,500 MBH gas-fired copper finned tube boilers

University of Pittsburgh at Johnstown – Johnstown, Pennsylvania

- › Renovations to the 66,000 sq. ft. Engineering and Sciences Building
- › New 7,400 sq.ft. John P. Murtha Center for Public Service
- › New 26,000 sq.ft., two-story Nursing/Health Science Facility

University of Pittsburgh – Pittsburgh, Pennsylvania

- › Renovation of 400,000 SF Benedum Hall; included; two 50,000 cfm energy recovery units that removes energy from the exhaust air and reinserts it into the supply airstream; the project has achieved LEED Gold



Lucas E. Shumaker, P.E., CPHD

Mechanical Engineer/HVAC

Mr. Shumaker is a Mechanical Engineer at H.F. Lenz Company. He has 9 years of experience with HFL and has experience in the design of HVAC systems. His responsibilities have included design calculations, equipment selection, schematic and construction document design, specification writing, and life cycle cost analyses. His experience includes the design of mechanical systems for hospitals, educational facilities and office buildings.

EDUCATION

Bachelor of Science, Mechanical Engineering Technology, 2012,
University of Pittsburgh at Johnstown

EXPERIENCE

H.F. Lenz Company 2012-Present

PROFESSIONAL REGISTRATION / CERTIFICATION

Licensed Professional Engineer,
Pennsylvania

Certified Passive House Designer
(CPHD)

PROFESSIONAL AFFILIATIONS

American Society of Heating,
Refrigerating, and Air Conditioning
Engineers (ASHRAE)

PROJECT EXPERIENCE

West Virginia University - Morgantown, West Virginia

- › Redevelopment of the Reedsville Farm for the equine studies program to enable the facility to offer distance education courses and establish an annual signature event

Youngstown Public Library - Youngstown, Ohio

- › Renovations to the 76,000 sq. ft. historic Carnegie Library that also included a new addition

Saint Francis University - Loretto, Pennsylvania

- › Renovations to the 34,062 sq.ft. JFK Student Center

Mount Aloysius College - Cresson, Pennsylvania

- › Conversion/renovation of the former 20,000 SF gymnasium to a multipurpose student activity and conference center; The design and construction team used a speed-to-market approach of seven (7) months from project conception to substantial completion

Lebanon Valley College - Annville, Pennsylvania

- › Renovation and expansion to the 75,779 sq.ft. existing Mund Center including a dining hall, lobby, bookstore, conference rooms, theater, event space, and lounge areas

Culinary Institute of America - Hyde Park, New York

- › Student Recreation Center: 40,000 sq.ft. addition including a 28,500 sq.ft. cafeteria and kitchen which serves as the main student dining facility

Yale University - New Haven, Connecticut

- › Myers Forest Laboratory and Bunkhouse: Second phase project that began with the replacement of the bunkhouse at the Yale-Myers Forest for the Yale School of Forestry & Environmental Studies



Christopher A. Formica

Plumbing/Fire Protection System Designer

Mr. Formica is responsible for the complete plumbing design for hospitals, colleges, schools, office buildings, prisons, and laboratories. He is responsible for system design, layout, specifications and calculations, selection and sizing of equipment, cost estimates, and site survey work. Mr. Formica coordinates the plumbing design with utility companies, with other trades, and with the Project Engineer and Project Architect; and is responsible for assembling complete and accurate plumbing bid documents which meet H.F. Lenz Company standards.

EDUCATION

Associate in Architectural Design,
1989, Pennsylvania Technical
Institute

EXPERIENCE

H.F. Lenz Company 1997 - Present
Dynamic Design Company 1996
Miller-Picking Corp. 1993 - 1995
Dupont-Belcan. 1991-1993
Simions Eastern. 1989-1991

PROJECT EXPERIENCE

West Virginia University - Morgantown, West Virginia

- › New 54,000 sq.ft. Alumni Center

St. Francis University - Latrobe, Pennsylvania

- › Renovation of 34,062 sq.ft. JFK Student Center

University of Pittsburgh at Johnstown - Johnstown, Pennsylvania

- › New 7,400 sq.ft. John P. Murtha Center for Public Service

Indiana University of Pennsylvania - Indiana, Pennsylvania

- › Renovation and addition to the historic Fisher Auditorium and new chiller plant
- › Stabley Library Renovation
- › Whitmyre Hall Renovation

University of Pittsburgh - Pittsburgh, Pennsylvania

- › Alumni Hall renovations
- › Cathedral of Learning renovations
- › Phased renovation of Benedum Hall and new addition - LEED Gold

Yale University - Haven, Connecticut

- › Greeley Memorial Laboratory - Comprehensive MEP renovations to a 24,000 sq.ft. mid-century Paul Rudolph landmark building that house offices, labs and public space including the addition of an elevator, replacement of the building's HVAC system and laboratory exhaust systems, window replacement and a new electrical service. This project also includes MEP renovations and upgrades to the historic Marsh Hall (registered historic landmark – 1878).
- › 246 Church St.: Office renovation of the 4th floor to accommodate dining services administrative functions
- › Curtis Hall Daycare: Renovated lower level of dormitory for the addition of a new day care facility



Frank T. Restly, E.I.T.

Electrical Designer

Mr. Restly is experienced in the design of electrical systems for both new buildings and building retrofits for higher education, commercial, and governmental facilities. He is experienced in the design of power distribution systems, control systems, lighting and emergency lighting systems.

His duties also include coordination with regulatory agencies, equipment selection, coordination with other disciplines, checking of construction documents for quality assurance.

EDUCATION

Bachelor of Science, Electrical Engineering, 1995, University of Pittsburgh at Johnstown

EXPERIENCE

H.F. Lenz Company 2010-Present • Villi Electrical Group 2010-2009 • Augusta Engineering 2009-2006 • Tri County Electric 2006-1995

PROJECT EXPERIENCE

Saint Francis University – Loretto, Pennsylvania

- › JFK Student Center renovations to a 34,062 sq.ft. facility

Cathedral of Learning – Pittsburgh, Pennsylvania

- › Ground floor lighting and power renovations for restrooms and connecting corridors

Yale University – New Haven, CT

- › Wright Nuclear Structure Laboratory 52,000 sq.ft. renovation

California University of Pennsylvania - California, Pennsylvania

- › Renovation of 6,600 sq.ft. for New Veterinary Program

Shippensburg Electrical Distribution System – Shippensburg, PA

- › Renovation of medium voltage and fiber optic campus distribution upgrades

Braddock Library - Braddock, Pennsylvania

- › Master Plan and design services for the existing historic Carnegie library and adaptive re-use of various community spaces

Youngstown Public Library - Youngstown, Ohio

- › Renovations to the 76,000 sq. ft. historic Carnegie Library that also included a new addition

Torrance State Hospital - Torrance, Pennsylvania

- › Replacement of the entire main electrical distribution and emergency generation systems for this long-term psychiatric hospital. The hospital is located in a campus like setting which is made up of several buildings

SCI Benner – State College, PA

- › The approximately 590,000 sq.ft. facility consists of 26 individual buildings strategically placed on an 88-acre site and functions as the central transportation hub of all of the Commonwealth's correctional facilities

H.F. LENZ COMPANY

SCHEDULE AND BUDGET.

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, but the determining factor is the tools the firms utilize to achieve the budgets, both in regard to funds and time. Alpha utilizes a number of tools, both traditional and modern to exceed our clients' expectations.

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

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

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

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

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

This starts with a kick-off meeting which establishes ground rules, responsibilities, and line of communication. We have found that a team visioning session is a great way to get everyone started off on the right track. Determining a project schedule is a task that must be done with all parties involved in the process. Once the design process begins, a very detailed, realistic project schedule can be developed and communicated to all involved.

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

Alpha's in house cost estimators, combined with an excellent relationship with contractors throughout the area, will provide the client with the most accurate estimates of probable construction cost.

CAPACITY & SOFTWARE.

OUR CAPABILITIES

Alpha Associates, Incorporated is prepared to commit staff resources to the West Virginia School of the Deaf and the Blind. Alpha has the qualified and experienced personnel, administrative support, along with the production equipment and resources to ensure the successful completion of this project. We are confident in our ability to provide the organization with a committed and dependable design team. Our multidisciplinary design team is prepared to meet and exceed the expectations of the School 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 for this project. Our cost accounting system is top-of-the-line and we have the ability to differentiate fees according to task. We have secure e-mail and internet capability to allow efficient transfer of information between Alpha and the client. We currently have the latest editions of the following software:

- AutoCAD 19
 - REVIT (Editions up to 2020)
 - Civil 3D
 - RISA 3D
 - RISA Floor
 - RISA Foundation
 - MathCAD
 - DJI Phantom 4 RTK Drone
 - Autodesk Suite
 - Enercalc
 - AutoTURN
 - TopCon GR5 GPS System
 - TopCon Total Station with Reflectorless Capabilities
 - Carlson Surveyor & Data Collector
-

MANAGEMENT, IMPLEMENTATION & SCHEDULING

Richard Colebank, PE will be the Project Principal responsible for the project and will act as the project's Relationship Manager. As such, Mr. Colebank will assume responsibility for the team, ensuring the project's schedule and quality are maintained from the beginning of the project to the completion of construction and beyond. Rebecca Key, AIA, LEED-AP will be the Project Architect and will head the architectural team.

Alpha is the team leader for the project and will utilize their superior expertise to guide the team throughout the project. Our knowledge of this type of project and the applicable standards and procedures will allow us to provide the professional and outstanding services that are needed to project a positive image of the West Virginia Schools for the Deaf and the Blind in the community.

Project Implementation

The four main steps utilized in the design process are as follows:

- Establish goals and objectives
- Gather relevant information
- Identify strategies
- Create Schedule with Phased Priorities

Establish Goals and Objectives

- All studies that involve existing space, for space utilization, floor efficiency, feasibility studies for proposed expansion, etc. can be disruptive to the operational efficiencies of the space. It is critical for those involved to be made aware of the "investigative" portion of the design that may disturb the existing operation.
- Meet with stakeholders of WVSDB
- Establish lines of communication, who is involved, and roles
- Discuss the Organizational Goals of the Stakeholders
 - Describe and discuss a typical day of a student, teacher, counselor and staff.
- Discuss Form and Image Goals
 - Does existing operation of the facility reinforce or detract from the image and goals that the facility wants to portray to the public? Students? Faculty, public at large?
 - Are there historic and/or cultural context implications?
- Discuss Function Goals
 - What are the major functions of the operation?
 - How many people are to be accommodated in each of the major functions of the space?
 - What type of equipment is being planned for long term and short-term use?
 - How does the existing operation reinforce or detract from those major functions?
- Discuss Economic Goals
 - If renovations are to be performed is there a budget in place that is to be met?
 - What is the attitude toward initial costs vs. long-term operating and maintenance costs?
 - Is energy conservation part of operational efficiencies that needs to be addressed?

- Discuss Time and Management Goals
 - Review proposed timeline/schedule with stakeholder's desired outcome.
 - What type of changes, growth, or expansions in forecast operationally for the next 2, 5, 10, and 15 years?
 - Is there a specific grant writing or legislative timetable that needs to be met in order for funds to be solicited? Allocated? Utilized?
 - Review critical times of day when students/classes/teachers, etc. are not allowed to be disturbed by the investigative team.
 - Establish specific times for investigative team to perform various tasks within the facility.
- Discuss phasing and priority of the Building Renovation(s).
 - Design and Construct a new campus bus loop at the front of the campus
 - Add features to memorialize the Old Administration Building
 - Design and install outdoor classrooms and a greenhouse
 - Design and Construct a truck accessible loading dock at the Sevigny Building
 - Update all Campus Floor Plans
 - Update all WVSDB Campus Building floor plans to show accurate layout.
 - Include all location of all fire extinguishers, Fire Alarm Panels, and sprinkler system control valves.
 - Prepare fire escape floor plan routes for all rooms in buildings that require this.

Gather Relevant Physical and Functional Information

- Utilizing client's existing drawings and field measurements to create as-built drawings.
- What equipment is existing? What are the sizes, functions, and locations? What is the capacity of existing equipment?
- What aspect of the facility's operation needs to be projected into the future?
- What are the space requirements for each occupant in typical spaces, utilizing building code, fire code, and other licensing standards that are to be met?
- What other criteria may affect usability and efficiency of space?
 - Access to daylight, acoustics, accessibility, campus design guidelines, etc.
 - Internal directional signage? Access to other areas of the facility that are used by the stakeholders but not part of the facility.
- Are there any known Health, Safety, and Welfare guideline/code violations?
- How does the energy usage affect efficiency of operation?
- Determine facilities existing building efficiency (ratio of existing net to gross area).

Identify Strategies for Each Building Project

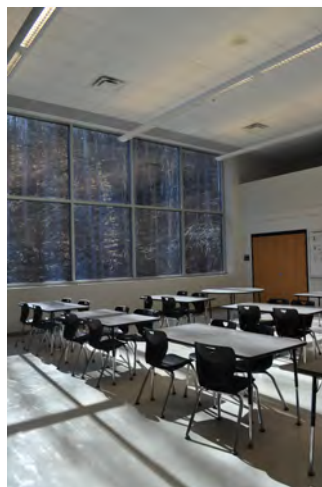
- Establish Relationship Categories
 - Indicate desired circulation between spaces & buildings.
 - What spaces require extra security?
 - What requires audio assistance? Amplify or Muffle? Speech or equipment?
- Examine Centralization vs. Decentralization
 - What functional components are grouped together?
 - What functional components should be grouped together and are not
 - What efficiencies could be achieved through centralization or decentralization of facility components?
- Flexibility
 - Identify changes that need to occur in various spaces.
 - Do these changes occur over time? Hours, days, semesters, years?
- Flow
 - How do occupants, visitors, and equipment circulate and flow through the areas?
 - What is needed to accommodate the “flow” through the facility?
- Priorities and Phasing
 - What are the most important functions of the space?
 - Are there ongoing operational aspects of the facility that cannot be interrupted?
 - Are there certain operations that are being eliminated or added?
- Levels of Access
 - Who is allowed where?
 - What level of security should be maintained? Added?

Create Schedule of Phased /Prioritized Projects

- Establish budget for each project.
- Once priority is established design team will proceed from conceptual approaches developed in the assessment phase to develop schematic through construction documents.

SCHOOL RENOVATION & ADDITION EXPERIENCE.

- Pocahontas County High School – Addition/Renovation
- Grafton High School-Addition/Renovation
- Petersburg High School-Science Laboratory Renovation
- Union Educational Complex-Science Laboratory Renovation
- Union Educational Complex-Roof Replacement
- Morgantown High School-Addition/Renovation
- Buckhannon Upshur Middle School-Renovation
- Oceana Middle School-Addition
- Anna Jarvis Elementary School-Addition
- Maysville Elementary-Roof Replacement
- Ridgedale Elementary School – Addition/Renovation
- Slanesville Elementary School – Addition/Renovation
- Capon Bridge Elementary School – Addition
- Baileysville Elementary School – Addition
- Huff Consolidated Elementary School – Renovation
- BUHS– Window Replacement/Masonry Restoration
- Jake’s Run Early Head Start Center – Renovation
- BUHS– Roof Replacement/Exterior Door and Window Replacement
- Kimball Elementary Flood Repair
- Pineville/Riverside Elementary Flood Repair
- Mon County Safe Schools – 7 Projects
- Mountaineer Middle School Renovation/Addition
- Cheat Lake Elementary School Renovation



SBA EXPERIENCE.

Alpha Associates, Incorporated has worked with the School Building Authority (SBA) since its inception and just recently completed two schools for the Wyoming County Board of Education that was funded primarily through the SBA. Both Pineville Elementary and Huff Consolidated Elementary and Middle School were projects funded through the SBA in the past few years. Alpha worked alongside SBA personnel and the State Fire Marshal's office to implement the policies of the SBA, Department of Education, and the State Fire Marshal's Office.

Alpha is well versed in the policies of the SBA and the State Department of Education, including Policy 6200 and has included all necessary requirements in all schools that we have designed.

Alpha is willing to review any previous designs that the SBA and Board of Education deem appropriate in the design of the new schools, allowing us to successfully collaborate with both organizations to provide the best school design for the administration, community, and students for generations to come.



CLARKSBURG STATE OFFICE BUILDING

Clarksburg, WV; 2016

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.

At a Glance:

CLIENT: State of West Virginia
LOCATION: Clarksburg, WV
COMPLETION DATE: 2016
SIZE: Bldg: 88,491 Square Feet
CONSTRUCTION COST: \$24.9 Million

Project Contact:

William Barry
1900 Kanawha Blvd. East
Charleston, WV 25305
304-957-7188



WVU LOT 81 PARKING LOT **Morgantown, WV; 2011**

Alpha Associates, Incorporated provided surveying, civil engineering, and construction administration services for West Virginia Park Lot 81 Project. This project was the renovation of a parking lot of approximately 1000 spaces. Phase 1 provided revised entrances and additional handicap parking. Phase 2 provided additional asphalt and storm water management controls as well as new lighting.

Alpha's civil engineering components included: site grading, storm water management, utility design, and storm drain design. Alpha coordinated the project with Morgantown Utility Board, the City of Morgantown, and all local utility companies.

At a Glance:

CLIENT: WVU
LOCATION: Morgantown, WV
COMPLETION DATE: 2011
CONSTRUCTION COST: \$1.3 Million

Project Contact:

Kevin Kilinsky
P.O. Box 6572
Morgantown, WV 26506
304-293-4731



MOUNTAINEER MIDDLE SCHOOL SITE IMPROVEMENTS

Morgantown, WV; 2020

Alpha Associates provided surveying, civil engineering and construction administration services for the Mountaineer Middle School Site Improvement Project.

With the prior elimination of the bus loop, Mountaineer Middle School was in need of a comprehensive pedestrian and vehicular site circulation plan. Alpha prepared a plan to accommodate school buses and parent vehicles, with a priority on student safety. The plan separated buses and cars to provide a more efficient site circulation plan which allowed smoother, safer operations during the busy student pick-up time at school day's end.

Alpha's civil engineering components included:

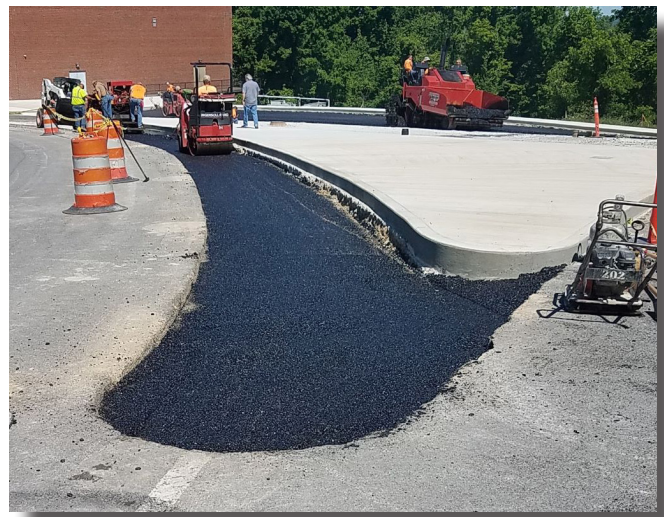
- Traffic analysis
- Site layout and grading
- ADA accessibility
- Storm drainage design

At a Glance:

CLIENT: Monongalia County Schools
LOCATION: Morgantown, WV
COMPLETION DATE: Summer 2020
CONSTRUCTION COST: \$400,000

Project Contact:

Dr. Eddie Campbell
Superintendent
13 South High Street.
Morgantown, WV 26501
304-291-9210



PINEVILLE ELEMENTARY SCHOOL

Pineville, WV; 2013

Alpha was tasked with designing a new Pre-K through 4th grade school in Pineville to replace an existing facility that has been plagued by flooding in recent years. The football field adjacent to the existing Middle School was selected for the new school to allow a common bus drop-off and pick-up area. The design incorporates an entrance canopy featuring equiangular polygon shapes and crayon shaped columns, a cast stone panel featuring the school logo in relief on the outside of the art classroom.

Add alternates provide two additional classrooms and bleachers in the gymnasium. The overall planning concept was to separate the Pre-K and Kindergarten from the two primary-grade-level classroom “pods”. The cafeteria and gymnasium feature a stage that opens to either space for flexibility in presentations.

At a Glance:

CLIENT: Wyoming County Schools
LOCATION: Pineville, WV
COMPLETION DATE: 2013
SIZE: 49,000 Square Feet
CONSTRUCTION COST: \$10.5 Million

Project Contact:

Frank Blackwell
P.O. Box 69
Pineville, WV 24874
301-732-6262



CHEAT LAKE ELEMENTARY SCHOOL RENOVATIONS & ADDITIONS

Morgantown, WV; 2010

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.

At a Glance:

CLIENT: Mon County Schools
LOCATION: Morgantown, WV
COMPLETION DATE: 2010
SIZE: 42,000 Square Feet
CONSTRUCTION COST: \$4.4 Million

Project Contact:

Ed McCabe
13 South High Street
Morgantown, WV 26505
301-291-9210



MOUNTAINEER MIDDLE SCHOOL RENOVATION

Morgantown, WV; 2009

This renovation project included the transformation of a high school into a middle school for Mon County Schools. The renovation included new interior finishes, new HVAC and sprinkler systems, new roof, new entryway, and the paving and redesign of parking lots and access road to comply with ADA regulations.

The project consisted of the demolition of the 80-year-old boiler heating system, removing existing wall partitions and floor coverings, and the abatement of asbestos containing materials.

The renovation also included relocating the administrative offices adjacent to the buildings primary entrance.

At a Glance:

CLIENT: Mon County Schools
LOCATION: Morgantown, WV
COMPLETION DATE: 2009
SIZE: 115,780 Square Feet
CONSTRUCTION COST: \$8.4 Million

Project Contact:

Frank Devono
13 South High Street
Morgantown, WV 26505
301-291-9210



Washington High School

Charles Town, West Virginia

NEW HIGH SCHOOL

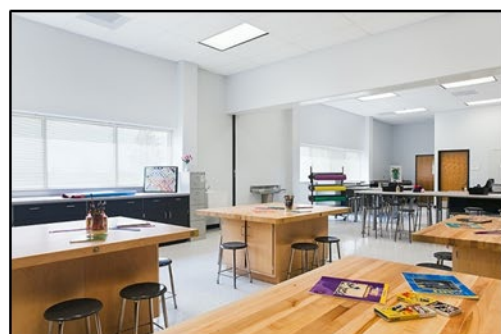
H.F. Lenz Company provided mechanical, electrical, technology, plumbing and fire protection engineering services for the new 1,500 student Washington High School.

The new High School houses academic wings, administration area, and common facilities for use by all students. Common facilities such as the Learning Resource Center, dining, physical education, and creative arts are accessible from the main corridors. School administrative offices and Student Services are located near the main entrance to the School.

Perhaps the most unique aspect of this new school is the Science and Technology Center. Partially funded by a separate grant, this portion of the building includes the School's Science Department along with various technology oriented subject areas such as technology training labs, technology education, engineering, agricultural technology, and video conferencing. During the day, the center supports the academic curriculum. After normal school hours, the facilities will be available for continuing education classes open to the community at large. The Science and Technology Center will serve a practical as well as academic role. Subjects offered here will equip students with skills having immediate application in specific, local, technology-dependent industries as well as general relevance to advanced academic education.

The School District plans to make the Learning Resource Center and computer facilities available to the community after normal school hours as well. Thus the community at large will have access to up-to-date facilities for instruction, research, and application that are not currently available in the School District.

In addition to the school building, the new site accommodates athletic facilities that feature vehicular circulation, along with daily and event parking for students, staff, and visitors plus service and delivery to the building. Athletic facilities include a field house with team locker rooms and equipment storage, concession and public restroom buildings, track and field facilities for competition, a football/soccer stadium with bleacher seating, a press box and lighting for night games, baseball and softball fields. Practice fields for use by athletic teams and marching bands, and hard courts for basketball and tennis were also provided.





West Virginia University

Morgantown, West Virginia

H.F. Lenz Company has been serving WVU for over 25 years and has held seven term contracts with the University since 1996. A few of our projects have included:

AGRICULTURAL SCIENCES BUILDING

- › Mechanical and electrical design services and commissioning services for a two-story, 38,000 sq.ft. addition

ALUMNI CENTER

- › Multi-discipline engineering services for a new, 2-story, 54,000 sq.ft. facility

CAMPUS SUPPORT SERVICES BUILDING

- › Conversion of the former Medical Center Boiler Plant into a facility to accommodate the University's Roads and Grounds Department

CHARLES WISE JR. LIBRARY

- › Mechanical, electrical, fire protection/life safety, civil, and communications engineering, and commissioning services for a new 124,000 sq.ft. addition and major renovations to the existing 86,000 sq.ft. library building

EVANSDALE BRANCH CAMPUS

- › Utility survey

HEALTH SCIENCES CENTER MEDICAL EDUCATION BUILDING CHARLESTON, WEST VIRGINIA

- › Evaluation, recommendations, and upgrade of HVAC system

ROBERT C. BYRD HEALTH SCIENCES CENTER

- › Replacement of the existing HVAC, plumbing, electrical, and life safety systems for the 1.2 million sq.ft. building

WHITE HALL

- › Developed commissioning plan and performed commissioning services for the new, \$1.8 million, 1,750-ton White Hall East Bay Chiller Plant

WVU COLISEUM

- › Design services for a mechanical/electrical upgrade
- › Engineering services for a complete asbestos removal project





WVU AHU Replacement Project Examples

CHEMISTRY RESEARCH LABORATORY

- › Five-story building located at the WVU Downtown Campus. Two (2) 40,000 cfm AHUs

WOODBURN HALL

- › Four-story historic building built in 1874 located at the WVU Downtown Campus. Two (2) 11,000 cfm AHUs

EIESLAND HALL

- › Five-story classroom building built in 1954 located at the WVU Downtown Campus. One (2) 25,000 cfm AHUs

TOWERS DORMITORIES

- › Four-building high-rise complex housing 1900 students located on the WVU Evansdale Campus. Three (3) 5,000 cfm AHUs

ENGINEERING SCIENCES BUILDING

- › 14-story laboratory and classroom building located on the WVU Evansdale Campus. One (1) 20,000 cfm AHUs

CREATIVE ARTS CENTER

- › Home of the College of Creative Arts, this building was built in 1969 and contains 50 classrooms, numerous studios, and a 1,400-seat concert theater. Six (6) AHUs

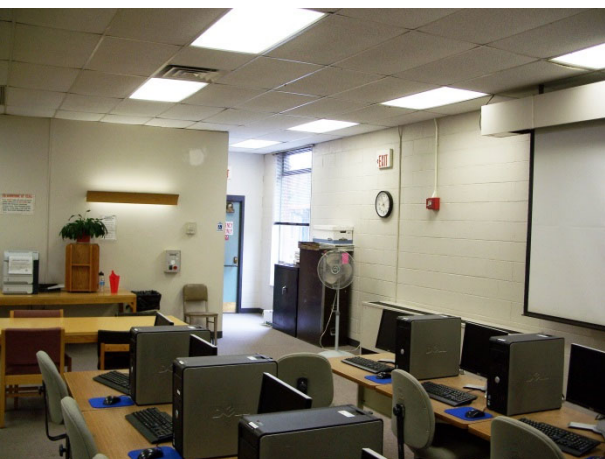
STANSBURY HALL

- › 80,000 sq.ft. student recreation center built in 1929 located at the WVU Downtown Campus. Five (5) AHUs installed above the ceiling



Term Contract for Project Examples

- › Evansdale Campus - Design of five new intramural athletic fields including site lighting and power provisions for score board
- › Health Sciences Campus - Design of two new intramural fields and walking track, the project included the design of site lighting and roadway relocation
- › Evansdale Towers - Design of four new tennis courts and site lighting
- › Evansdale Campus - Utilities and Infrastructure Improvements
- › Arnold Hall and Apartments - Boiler System
- › Student Recreation Center Steam Line Relocation
- › Wise Library Special Collections HVAC Evaluations
- › Towers Dormitory Replacement of 3 Air Handlers
- › Woodburn Circle Steam Line Replacement
- › Mountainlair-Main Kitchen Dishwasher Replacement



Community College of Allegheny County

Pittsburgh, Pennsylvania

MASTER PLAN

The H.F. Lenz Company was employed to provide mechanical, plumbing and fire protection engineering services for the Master Planning for the Community College of Allegheny County's Ridge Avenue Revitalization project. This project involved the master planning for the five buildings located along the campus' Ridge Avenue. The goal of the project was to update the key buildings along this important thoroughfare of the college campus.

The project included major interior renovations to the Physical Education building and the historic West Hall. More subtle renovations were planned for the Student Services Center, the Library, and 915 Ridge Avenue. The total construction cost of the projects identified in the Master Plan amounted to \$17 million with \$15.3 million of that cost being allocated to the West Hall and Physical Education Buildings.

The renovation plans for the Library include the 1st, 3rd and 5th floors. The Physical Education Building included the construction of a new bookstore and café, reclaiming the space that was previously occupied by the swimming pool, and renovations to the 2nd, 3rd, and 4th floors. The Student Services Center renovations are limited to a small area on the 3rd floor and will include the creation of a new computer lab with approximately 60 workstations. The 915 Ridge Avenue property will only receive an exterior renovation with only minor changes being made to the interior of the building.

The planned modifications to West Hall are the most involved. The interior spaces of the building will be completely gutted and renovated. The exterior of the building is considered an historic landmark, and cannot be changed without approval from the local authorities. The building is planned to be repurposed to accommodate the new programming needs of the college with the creation of a Culture and Fine Arts Center. The renovated West Hall will house the instructional spaces for Art, Music and the Speech/Language programs.

The H.F. Lenz Company has completed the mechanical, plumbing and fire protection design for the renovation of the Physical Education Building and is currently under construction.

Estimated Construction Cost: \$17,000,000

Study Completed: 2011-2012

Student Services Center Completed: June 2014

West Hall Completed: July 1, 2015



Cambria County Association for the Blind and Handicapped

Johnstown, Pennsylvania

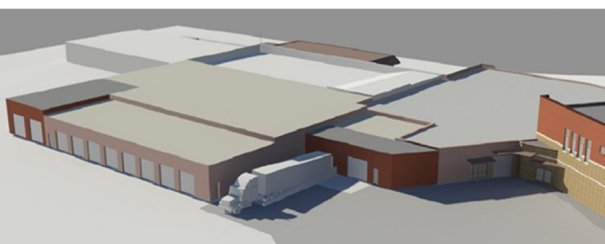
ADDITION AND ALTERATIONS TO MANUFACTURING FACILITY

H.F. Lenz Company, as the prime, provided MEP, structural, and civil engineering, and fire protection services for the 60,000 sq.ft. addition to the existing 50,000 sq.ft. Cambria County Association for the Blind and Handicapped facility.

The project was completed in a series of four phases:

Phase 1 – New 2013 Addition

- › Demolish existing two-bay garage and constructing a new two story addition and dock addition
- › Install new chiller and boilers
- › Install new transformer and main distribution gear
- › Install hot & chilled water piping to new addition
- › Install new air handling unit AHU-4 at manufacturing area and tie in utilities



Phase 2 – Original ACME Building, Rudy Haupt Building, 1988 and New Garage Additions

- › Relocate equipment and manufacturing from current location to new dock and addition
- › Provided humidity control
- › Construct new garage addition and first aid room
- › Install new concrete apron at existing garage addition
- › Construct new offices and lunch room at original ACME building

Phase 3 – 1975 Addition

- › Relocate departments to new offices
- › Complete ductwork changes and ceiling work
- › Remove existing rooftop units and patch holes
- › Relocate machines and manufacturing to completed areas

Phase 4 – 2004 Addition – New 2013 Drive Under Canopy

- › Construct new General Manager and Shipping offices
- › Install new AHU-3 and associated ductwork
- › Tie-in electric panels to main distribution
- › Construct new Drive-Under Entrance Canopy



Owner's Representatives: Tara L. Bosserman
 Director of Operations
 Cambria County Association for
 the Blind and Handicapped
 814-536-3531
 tbosserman@ccabh.com

Construction Cost: \$13,540,000

H.F. LENZ COMPANY

RELEVANT EXPERIENCE



K-12 Experience

H.F. Lenz Company has designed hundreds of elementary, middle, and high schools in the past 30 years. Following is a representative sampling.

ABINGTON HIGH SCHOOL *Abington, Pennsylvania*

- › New sound system in auditorium

ALTOONA AREA SCHOOL DISTRICT *Altoona, Pennsylvania*

- › Boiler and underground steam line replacement

BROCKWAY AREA JR./SR. HIGH SCHOOL *Brockway, Pennsylvania*

- › Renovations and addition
- › Multipurpose building additions

CAMBRIA HEIGHTS ELEMENTARY SCHOOL *Patton, Pennsylvania*

- › New construction

EAST DERRY ELEMENTARY SCHOOL *Lewistown, Pennsylvania*

- › Additions and renovations

FERNDAL ELEMNTARY SCHOOL *Johnstown, Pennsylvania*

- › Addition and renovations

FOREST HILLS SCHOOL DISTRICT *Cambria County, Pennsylvania*

- › Elementary school quality control review
- › Resident inspection services

GENESEE VALLEY SCHOOL DISTRICT *Belmont, New York*

- › Additions and renovations

GRAFTON HIGH SCHOOL *Grafton, West Virginia*

- › Addition and renovations

GREENSBURG SALEM SCHOOL DISTRICT *Greensburg, Pennsylvania*

- › New field house and stormwater design

GREGG TOWNSHIP ELEMENTARY SCHOOL *Spring Mills, Pennsylvania*

- › Renovation and addition

HEPBURN LYCOMING SCHOOL DISTRICT *Williamsport, Pennsylvania*

- › Slope erosion investigation

HOLLIDAYSBURG JUNIOR HIGH SCHOOL *Hollidaysburg, Pennsylvania*

- › Renovation





HOLLIDAYSBURG SENIOR HIGH SCHOOL *Hollidaysburg, Pennsylvania*

- › Tri-fuels boiler plant and electric heat conversion

HOMER CENTER ELEMENTARY *Homer Center, Pennsylvania*

- › New elementary school

INDIANA AREA SENIOR HIGH SCHOOL *Indiana, Pennsylvania*

- › Additions and renovations

INDIAN VALLEY HIGH SCHOOL AND ELEMENTARY SCHOOL *Lewistown, Pennsylvania*

- › Tri-fuels boiler plant

RIVERVIEW SCHOOL DISTRICT *Oakmont, Pennsylvania*

- › Feasibility study

ROARING SPRING ELEMENTARY SCHOOL *Roaring Spring, Pennsylvania*

- › Swimming pool alterations

ROCK BUTLER MIDDLE SCHOOL *Wellsboro, Pennsylvania*

- › HVAC upgrades

ROOSEVELT MIDDLE SCHOOL *Morrisville, Pennsylvania*

- › Additions and renovations

SAINT GEORGE ELEMENTARY SCHOOL *Erie, Pennsylvania*

- › Additions

SALLADASBURG ELEMENTARY SCHOOL *Salladasburg, Pennsylvania*

- › Additions and renovations

THE HAVERFORD SCHOOL *Haverford, Pennsylvania*

- › 100,000 sq.ft. renovation and addition to an historic structure - Designed to attain LEED Gold

THEODORE ROOSEVELT MIDDLE SCHOOL *Williamsport, Pennsylvania*

- › Renovations and additions

TITUSVILLE AREA SCHOOLS *Titusville, Pennsylvania*

- › Structural design, new construction





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

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



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

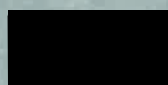
Charles B. Branch

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



(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

L. J. Puckly

By

Frank D. Goddy

L. J. Puckly, Jr.

L. J. Puckly

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. G. Jones

President.

E. J. Smith

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

Bradley H. Casdorph

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

REGISTERED PROFESSIONAL ENGINEER

Registration Number [REDACTED]

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



Given under the hand of the
Seal of the Board at the Capitol in the
City of Charleston,
This 29th day of December
in the year of our Lord 2005
and of the State
the One Hundred Forty-Second

Members of the Board

Leonard D. Thomas, Jr.

Richard E. Dlynas

Bhupen S. Shukla

William E. Viersen

[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

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]



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

Garwick
Lund
L. J. [unclear]

Frank H. Naddy

Wm. J. [unclear]

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.

BOARD PRESIDENT

HEAR FROM OUR CLIENTS.



Frank Blackwell

Former Wyoming County Schools

Alpha Associates is one of the best architectural, engineering, and surveying firms we have dealt with. I commend them for their design excellence and professionalism. They are an easy company to work with, creative and innovative in their approach, and always available to answer questions.



Dr. James B. Phares

Former State Superintendent of Schools

Their company (Alpha Associates) 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.

References

Eddie Campbell
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304-291-9210

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Steve Wotring
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Kingwood, WV 26537
304-329-0580

Scott Owen
West Virginia University
P.O. Box 6572
Morgantown, WV 26506
304-293-7478