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WOASIS	Jump to: PRCUID 💁 Go 😚 Home 🌽 Personalize 🕼 Accessibility 📴 App Help 🌾 About [
elcome, Robert M Ross olicitation Response(SR) Dept: 0705 ID: ESR09202200000001452 Ver.: 1 Function: New Phase: Final Modified by batch , 09/20/2	Procurement Budgeting Accounts Receivable Accounts Payable 2022
Header () 1	
General Information Contact Default Values Discount Document Information Clarification Request	Eist View
Procurement Folder: 1098548	SO Doc Code: CEOI
Procurement Type: Central Purchase Order	SO Dept: 0705
Vendor ID: 000000201753	SO Doc ID: LOT2300000001
Legal Name: ALPHA ASSOCIATES INC	Published Date: 9/1/22
Alias/DBA:	Close Date: 9/20/22
Total Bid: \$0.00	Close Time: 13:30
Response Date: 09/20/2022	Status: Closed
Response Time: 9:18	Solicitation Description: EOI-WV Lottery 6th Floor/13th Floor Renovations
Responded By User ID: hailey.hill	Total of Header Attachments: 1
First Name: Hailey	Total of All Attachments: 1
Last Name: Hill	
Email: hailey.hill@thinkalphafirs	



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:	1098548		
Solicitation Description:	EOI-WV Lottery 6th Floor/13th Floor Renovations		
Proc Type:	Central Purchase Order		
Solicitation Closes		Solicitation Response	Version
2022-09-20 13:30		SR 0705 ESR09202200000001452	1

VENDOR 000000201753 ALPHA ASSOCIATES INC	:				
Solicitation Number:	CEOI 0705 LOT2300000001				
Total Bid:	0	Response Date:	2022-09-20	Response Time:	09:18:42
Comments:					

FOR INFORMATION CONTACT THE BUYE Toby L Welch (304) 558-8802 toby.l.welch@wv.gov	R		
Vendor Signature X	FEIN#	DATE	

J

Line	Comm Ln Desc		Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Architectural/ Engine	eering Services				0.00
Comm	Code	Manufacturer		Specifica	ntion	Model #
811015	08					

Commodity Line Comments:

Extended Description:

In accordance with W. Va. Code 5G-1-1 (et seq) WV Lottery seeks A/E Services for renovations to the 6th and 13th floors of the WV Lottery HQ building as described herein.



EXPRESSION OF INTEREST

ARCHITECTURAL/ENGINEERING SERVICES WV LOTTERY

HEADQUARTERS BUILDING

CEIO 0705 LOT230000001

Public Notice Date: September 1, 2022

Submission Date: September 20, 2022

0

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CONTACT

Address

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

Phone: 304-296-8216 Fax: 304-296-8245 Online

Email: rick.colebank@thinkalphafirst.com



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

State of West Virginia Centralized Expression of Interest Architect/Engr

Proc Folder:	1098548		Reason for Modification:
Doc Description: EOI-WV Lottery 6th Floor/13th Floor Renovations			
Proc Type:	Central Purchase Order		
1100 IJpc.			
Date Issued	Solicitation Closes	Solicitation No	Version
2022-09-01	2022-09-20 13:30	CEOI 0705 LOT2300000001	1

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

VENDOR		
Vendor Customer Code:		
Vendor Name : Alpha Associates, Incorporated		
Address: 209 Prairie Ave.		
Street :		
City: Morgantown		
State : West Virginia	Country: USA	Zip: 26501
Principal Contact : Richard A. Colebank		
Vendor Contact Phone: 304-296-8216	Extension: 102	

FOR INFORMATION CONTACT THE BUYER Toby L Welch (304) 558-8802 toby.l.welch@wv.gov	
Vendor DDD	
Signature X ut lo un FEIN# 550516286	DATE 9/20/2022

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

-38

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.

(Name, Title) _R	ichard Colebank, Pres	sident & COO
(Printed Name ar	id Title)	alfelin
(Address) 209 P	rairie Ave. Morgantow	n, WV 26501
(Phone Number)	/(Fax Number)	304-296-8216 / 304.296.8245
(email address)	rick.colebank@thinl	kalphafirst.com

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through *wv*OASIS, 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 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)

(Authorized Signature) (Representative Name, Title) Richard Colebank, 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)

Revised 07/01/2022

ADDENDUM ACKNOWLEDGEMENT FORM SOLICITATION NO .: CEOI LOT2300000001

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

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

Addendum Numbers Received: (Check the box next to each addendum received)

> Addendum No. 1 Addendum No. 2 Addendum No. 3 Addendum No. 4 Addendum No. 5

Addendum No. 6 Addendum No. 7 Addendum No. 8 Addendum No. 9 Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Alpha Associates, Incorporated

Company h

Authorized Signature

9/20/2022

Date

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

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September 20, 2022

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

Attn: Toby L. Welch

RE: CEOI 0705 LOT230000001 WV Lottery 6th Floor/13th Floor Renovations

Dear Mr. Welch,

Alpha Associates, Incorporated team is pleased to submit our qualifications to provide architectural and engineering services for WV Lottery Building Project. We have established a strong team for this important project. Alpha's past experience with similar projects makes us a perfect teaming partner for you on your renovation project.

Since 1969, Alpha has partnered with numerous Federal, State, and local governments to provide architectural and engineering services for projects around West Virginia. We have accomplished many building designs including very complex designs with multiple buildings and different types of building materials. Previous work designed by Alpha ranges from small renovations of less than 200 square feet to large and very complicated renovations. These larger projects required not only architectural design but significant structural and mechanical and electrical modifications.

Design Team

Alpha is a West Virginia owned and operated architectural and engineering design firm with locations in Morgantown, and Martinsburg. Our 21-person professional staff includes architects, civil and structural engineers, surveyors, cost estimators, construction representatives, landscape designers, interior designers, and technicians. The personnel that will be dedicated to your project are highly qualified professionals and support staff with the technical expertise to meet and exceed expectations of this project. This project will be managed from Alpha's Corporate Office located in Morgantown, West Virginia. We will be utilizing the services of HF Lenz for the Mechanical, Electrical, and Plumbing services.



Project Understanding

The WV Lottery Gommission is seeking architectural/engineering services for assessment, planning, designs, and oversight for renovations to the 6th and 13th floors of the WV Lottery Headquarters Building.

Summary

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

Sincerely,

ALPHA ASSOCIATES, INCORPORATED

Richard A. Colebank, PE, PS

President and COO rick.colebank@thinkalphafirst.com





WELCOME TO ALPHA ASSOCIATES, INC.

FIRM PROFILE

Contract Role: Prime Architect & Engineer

Address

209 Prairie Avenue Morgantown, West Virginia 26501

535 West King Street Martinsburg, West Virginia 25401

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



Johnstown Headquarters

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



H.F. Lenz Company Firm Profile

Currently in its 76th year, the H.F. Lenz Company (HFL) offers a full range of engineering services for building systems, infrastructure, and industry. Our projects span the nation, with the heaviest concentration in the Northeast, and exceed \$530 million in MEP construction annually. Our 44 professional engineers are registered in a total of all 50 states and DC. The H.F. Lenz Company presently employs 170 people between our headquarters in Johnstown, Pennsylvania, and our satellite offices in Pittsburgh and Lancaster, Pennsylvania, Conneaut, Ohio and Middletown, Connecticut.

OUR SERVICES INCLUDE:

- > Mechanical Engineering
- Electrical Engineering
- Plumbing Engineering
- › Life Safety / Fire
- Protection EngineeringCommunications
- Engineering
- > Energy Management

LEED AND SUSTAINABLE DESIGN

- Civil Engineering
- Structural Engineering
- Industrial Engineering
- Surveying
- Construction Phase Services
- Commissioning
- We have been a member of the United States Green Building Council since 2000 and currently have 17 LEED[™] Accredited Professionals on staff. Our firm has gained a high level of knowledge in the building green process and we possess the experience to successfully apply these principles to all building projects, whether they are designed to attain LEED[™] Certification or not. We have provided services for 120+ projects that have attained various levels of LEED[™] Certification, in total over 16 million sq.ft. of facilities.

EXPERIENCE IN WEST VIRGINIA

H.F. Lenz Company has a long history of project experience in West Virginia. Our experience includes:

- WV State Capitol Chiller Plant Upgrades
- > New State Office Building in Clarksburg
- > USDA Office Fit-out Project
- Multiple projects for a large, confidential federal government campus
- > Fifth Third Center New Multi-tenant Office Building
- Martinsburg Roundhouse Fit-out
- > New Washington High School
- Over 25 years of consistent projects for WVU
- > Multiple projects for Mylan Pharmaceuticals
- > Multiple Sheetz stores
- > Multiple DOE NETL projects at the Morgantown campus
- > New Mylan Park Aquatic Center
- > Several Healthcare Facilities and Medical Office Buildings

We have also completed several courthouse projects and Army Reserve Centers throughout West Virginia.

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 government 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 has 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 had 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 you expert for this project.

Alpha's philosophy has always been to provide exemplary services to 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 the projects from the earliest stages right through the 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 administration 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.

KEY PERSONNEL.

TO BE ASSIGNED TO YOUR PROJECT

All work performed for the WV Lottery Building 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.



Richard A. Colebank PE, President & COO Principal in Charge



Rebecca Key AIA, LEED AP Project Architect



Charles Branch PE, Senior Principal Senior Civil Engineer



Joel C. Shumaker PE, LEED AP MEP Systems Engineering

MEET THE ALPHA TEAM.

MANAGERS Richard W. Klein PE, PS Chairman & CEC))	Richard A. C PE, PS President &	Richard A. Colebank PE, PS President & COO	
ARCHITECTURE Rebecca Key AIA-LEED-AP Director of Architecture	Casey Smith AIA Associate Architectural Designer	Todd Lewis AIA Associate Architectural Technician	Alex Haill Construction Administration	
CIVIL ENGINEERING Charles Branch PE, Senior Principal Senior Civil Engineer Julie Frazee Terry Higgins Engineering Field Technician Representativ	Bradley Casdorph PE, PS Civil Engineer Kevin McClung Engineering ye Technician	Tom Simpson PE Civil Engineer Barbara Keri Survey Crew	David Costello Jr. PS Manager of Surveying ns Tyler Collins v Survey Crew	
STRUCTURAL ENGINEERING Charles Luttrell PE, Senior Principal Senior Structural Enginee	i Matthew Echard PE, Principal r Structural Engine	Coo Eng eer Teo	dy Antoon gineering chnician	
OFFICE ADMINISTRATIONHeather FoxHailey HillKim CoomlerBusiness ManagerMarketing CoordinatorAdministrative Assistant				
MEP Joel C. Shumaker PE, LEED AP Principal-in-Charge	John M. Weiland PE, CEM, LEED Lead Mechanica	d Luc AP PE, I Engineer Me	eas E. Shumaker , CPHD chanical Engineer	
Christopher A. F Plumbing Fire Protection S	ormica System Designer	Frank T. Res EIT Electrical De	stly signer	

SCHEDULE AND BUDGET.

Alpha Associates, Incorporated has an excellent track record of producing projects on time and within the Owner's budges. 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 regards to funds at the time. Alpha utilizes a number of tools, both traditional and modern to exceed our client's 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 had an excellent track record of meeting project 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 that had a construction cost in excess of \$20 million.

Successful Project management depends on consensus regarding work efforts, milestones and goals. The team had found 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 requires 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 negotiates, available fee, and experiences on similar projects. 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 works diligently to control the budget of the 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 early in the design process. The Alpha estimators begin at the schematic design phase of the project and develop a line item estimate of probable construction costs that can be carried through each of the project phases. At each phase the project estimate is updated to include a more detailed estimate in order that the accuracy can be enhances. During these updated estimated, specific increases or decreases can be identified allowing the owner to make informed decisions moving forward on important budget issues for the project

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

CAPACITY AND SOFTWARE.

OUR CAPABILITIES

Alpha Associates, Incorporated is prepares to commit staff and resources to your project. Alpha has the qualified and experiences 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:

- AutoCAD22
- REVIT (Editions up to 2022)
- Civil 3D
- RISA 3D
- RISA Floor
- RISA Foundation
- MathCAD
- DJI Phanton 4 RTK Drone

- Autodesk Suite
- Enercalc
- AutoTURN
- TopCON GR5 GPS System
- TopCon Total Station with Reflectorless Capabilities
- Carlson Surveyor & Data Collector



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

RICHARD A. COLEBANK

PE,PS; PRESIDENT & COO

2 304-296-8216 | 800-640-8216

rick.colebank@thinkalphafirst.com

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

ALPHA ASSOCIATES, INCORPORATED



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, Washinton 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

Leadership Kanawha Valley Class of 2014

REBECCA KEY

AIA, LEED-AP; DIRECTOR OF ARCHITECTURE

304-296-8216 | 800-640-8216

rebecca.key@thinkalphafirst.com

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 and Space Planning Feasibility Studies Water Infiltration Analysis Historic Renovation

Project Management

PROFESSIONAL HIGHLIGHTS

Education: Ridgedale Elementary; Morgantown, WV Mountaineer Middle School; Morgantown, WV Pineville Elementary; Pineville, WV Washington High School; Chares Town, WV Historic Renovations: Cass Scenic Railroad- Clubhouse Renovation; Cass, WV Berkeley Springs Bathhouse; Berkeley Springs, WV Hawks Nest State Park Picnic Pavillion; Anstead, WV Hawks Nest State Park CCC Museum; Anstead, WV Recreation: Ruby McQuain Amphitheater; Morgantown, WV North Fork Hughes River State Park; Ritchie County, WV Dormitory and Multi-Family Fairmont State University Prichard Hall Renovation; Fairmont, WV WVU Boreman Hall; Morgantown, WV Augusta Apartment Building; Morgantown, WV Grand Central Apartments Municipal & State Government WV State Office Building; Clarksburg, WV Mon County Family Court Renovation; Morgantown, WV Mon County Sheriff's Department; Morgantown, WV White Hall Municipal Building; Parkersburg, WV

ALPHA ASSOCIATES, INCORPORATED



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

<u>CASEY SMITH</u>

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



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

C 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



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

BRADLEY CASDORPH

PE,PS; CIVIL ENGINEER

304-296-8216 | 800-640-8216

▶ brad.casdorph@thinkalphafirst.com

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 WV DOH 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



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 Buttoned Overlap Sheer Failures

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

CHARLES B. LUTTRELL

PE; SR. PRINCIPAL & STRUCTURAL ENGINEER

304-296-8216 | 800-640-8216

C charlie.luttrell@thinkalphafirst.com

SUMMARY

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



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

EDUCATION

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

West Virginia University Bachelors of Science- Civil Engineering, 2000

QUALIFICATIONS

License: Professional Engineer: West Virginia, California

California OES SAP Evaluator

AFFILIATIONS

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

American Wood Council (AWC)

PUBLICATIONS

Echard, M. and Tonis, D. Convergent Design Methodology for Bio-Science Labs: Architectonic and Performative Structural Considerations Using the Geilinger Composite Column Solution. Proceedings of 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.

MATTHEW T. ECHARD

PE; PRINCIPAL & STRUCTURAL ENGINEER

304-296-8216 | 800-640-8216

matthew.echard@thinkalphafirst.com

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 unde-served 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.

PR**O**FILE

Broad-based responsibilities in the following areas:

Structural Engineering Structural Forensics Project Management

PROFESSIONAL HIGHLIGHTS

Project Manager & Structural Engineer:

Westover Goodwill Structural Design; Morgantown, WV

Weyerhaeuser Roof Evaluation; Heaters, WV

Los Mariachis UTC; Morgantown, WV

WVU Creative Arts Center Performance Access; Morgantown, WV

WVU Mountain Lair Grid Iron Assessment; Morgantown, WV

Martinsburg Queen Street Underpass; Martinsburg, WV

Charles Town Water Plant Clearwell Emergency Repair; Charles Town, WV



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 West Virginia, Pennsylvania, Connecticut, Delaware, Maryland, New York, Vermont, and Virginia

PROFESSIONAL AFFILIATIONS

Pennsylvania Society of Professional Engineers, Johnstown Chapter Secretary • National Society of Professional Engineers • Keystone Chapter of Association of Physical Plant Administrators

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

Principal-in-Charge of MEP Systems Engineering

As Principal-in-Charge, 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 utilityrelated 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.

PROJECT EXPERIENCE

U.S. Department of Agriculture – Morgantown, West Virginia

Tenant fit-out of approximately 40,000 sq.ft. of an existing building for office space, conference areas, lobbies, mailroom, credit union, computer center and storage space for a government agency; has attained LEED Certification

Clarksburg State Office Building – Clarksburg, West Virginia

New 85,250 sq.ft., five-story office building to house seven West Virginia state agencies; Designed to attain LEED Silver

U.S. General Services Administration – Charleston, West Virginia

New, two-story 19,427 sq.ft. office building to house offices for the Federal Bureau of Investigation; the building was designed to achieve LEED Silver and includes forensic evidence labs, investigators' work and technology spaces, and service bays to modify surveillance vehicles; the building was designed with energy efficient systems and sustainable design criteria including water conservation

West Virginia University – Morgantown, West Virginia

New 54,000 sq.ft. Alumni Center with an upscale clubroom, a banquet hall, three conference rooms, a board room with its own food service, offices, a full service kitchen, 1,200 sq.ft. of retail space and storage rooms

Western Maryland Railway Station - Meyersdale, Pennsylvania

> Restoration and rehabilitation of the historical railway station that serves as a visitor center and train center

City of Conneaut – Conneaut, Ohio

Replacement of chiller in the City Hall Building





Bachelor of Architectural Engineering, 2002, Pennsylvania State University

EXPERIENCE H.F. Lenz Company 2002-Present

PROFESSIONAL REGISTRATION / CERTIFICATION

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

PROFESSIONAL AFFILIATIONS

ASHRAE - Johnstown, PA Chapter

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

Project Engineer/Lead Mechanical 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.

PROJECT EXPERIENCE

Clarksburg State Office Building – Clarksburg, West Virginia

Multi-discipline design of a new 85,250 sq.ft., five-story office building to house seven West Virginia state agencies; sustainable design features include an HVAC system that utilizes a chilled water system with ice storage to save energy costs

West Virginia University – Morgantown, West Virginia

 New 54,000 sq.ft. Alumni Center with an upscale clubroom, a banquet hall, three conference rooms, a board room with its own food service, offices, a full service kitchen, 1,200 sq.ft. of retail space and storage rooms

U.S. General Services Administration – GSA Region 3

- Term Contract for AE Design Services; projects involve alteration, renovations, and modernizations of federal buildings and courthouses in Region 3 North Service Sector, over 30 task orders were issued, including:
 - > Nix Building Lobby Upgrades
 - > SSA Williamsport Lobby Renovations
 - Federal Protective Service and GSA Field Office Renovations
 - Federal Highway Administration Harrisburg Office Renovation
 - Social Security Administration Childcare Center Renovation
 - > Bryne Chambers Consolidation
 - > Bryne 3rd Circuit Library Renovation
 - > Mid-Atlantic Social Security Center Armory Renovation

University of Pittsburgh – Pittsburgh, Pennsylvania

Renovation of 400,000 sq.ft. Benedum Hall; included the replacement of the existing mechanical, electrical, plumbing and fire protection systems on all 15 floors of the building over three project phases; the project has achieved LEED Gold

RESUME



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)

Lucas E. Shumaker, P.E., CPHD

Mechanical Engineer

Mr. Shumaker is a Mechanical Engineer at H.F. Lenz Company. He has 10 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.

PROJECT EXPERIENCE

Saint Francis University – Loretto, Pennsylvania

> JFK Student Center – Renovation of a 1965 building into a student center with kitchen/dining hall

Youngstown Public Library - Youngstown, Ohio

 Renovations to the historic Carnegie Library built in 1910; includes a new main entrance and public space to support large meetings and events

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

Waynesburg University – Waynesburg, Pennsylvania

> Conversion of a racquetball court for use as a food service area in the basement of an existing building

Pennsylvania American Water (PAW) – Various Locations, Pennsylvania

- Bethel Park Operations Center Renovation Renovations to the existing building for use as an Operations Center in Pittsburgh, PA
- Warren Operations Center Renovation Renovations of an existing facility for use as an Operations Center in Warren, PA
- Uniontown Operations Center Renovation renovation of an existing building for use as an Operations Center in Uniontown, PA

Evoqua Water Technologies – Pittsburgh, Pennsylvania

 Interior fit-out of approximately 18,000 sq.ft. of wet lab and office space located in the Tech Forge Building RESUME

H.F. LENZ COMPANY



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

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.

PROJECT EXPERIENCE

West Virginia University - Morgantown, West Virginia

- New 54,000 sq.ft. Alumni Center with an upscale clubroom, a banquet hall, three conference rooms, a board room with its own food service, offices, a full service kitchen, 1,200 sq.ft. of retail space and storage rooms
- > 95,500 sq.ft. renovation to White Hall

Mylan Pharmaceutical - Morgantown, West Virginia

 Various building renovations and fit-out for offices, labs and storage spaces

Yale University – Haven, Connecticut

- 246 Church St.: Office renovation of the 4th floor to accommodate dining services administrative functions
- > Kirkland Hall office and testing lab renovation
- 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

Pennsylvania American Water (PAW) – Various Locations, Pennsylvania

- Bethel Park Operations Center Renovation Renovations to the existing building for use as an Operations Center in Pittsburgh, PA
- Warren Operations Center Renovation Renovations of an existing facility for use as an Operations Center in Warren, PA
- Uniontown Operations Center Renovation renovation of an existing building for use as an Operations Center in Uniontown, PA

Braddock Library – Braddock, Pennsylvania

 Renovation of the existing historic Carnegie library including a variety of public spaces and a new cafe RESUME

H.F. LENZ COMPANY



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

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.

PROJECT EXPERIENCE

West Virginia University - Morgantown, West Virginia

- New 54,000 sq.ft. Alumni Center with an upscale clubroom, a banquet hall, three conference rooms, a board room with its own food service, offices, a full service kitchen, 1,200 sq.ft. of retail space and storage rooms
- > 95,500 sq.ft. renovation to White Hall
- > General woodworking renovations
- > Arnold Hall renovations
- > Life Science renovations
- > New 5MVA and 3 MVA transformers
- > New 480V and 208V secondary electrical services
- Design of 2,000 feet of 23kV feeder conductors and ductbank through highly congested urban setting

Pennsylvania Farm Show Complex & Expo Center – Harrisburg, Pennsylvania

> Replaced fire alarm system that provides voice evacuation

Saint Francis University – Loretto, Pennsylvania

JFK Student Center renovations to a 34,062 sq.ft. facility. The building had not had any major renovations to the HVAC system since the building was built in 1965

University of Pittsburgh at Johnstown – Johnstown, Pennsylvania

 Design for a 60 kW standby generator for the IT Department at Owen Library; included short circuit and arc flash analysis

Pennsylvania American Water (PAW) – Various Locations, Pennsylvania

- Bethel Park Operations Center Renovation Renovations to the existing building for use as an Operations Center in Pittsburgh, PA
- Warren Operations Center Renovation Renovations of an existing facility for use as an Operations Center in Warren, PA
- Uniontown Operations Center Renovation renovation of an existing building for use as an Operations Center in Uniontown, PA

RESUME

WVU ESB EAST WING ADDITION Morgantown, WV; 2008

The first phase of this project was a feasibility study that evaluated the building to determine the nature and scope of the addition.

The West Virginia University Engineering Science Building East Wing Addition/Renovation project was conceived to create a new primary entrance to the existing 228,000 SF building. It consists of a 4-story addition as well as the conversion of an abandoned $3\frac{1}{2}$ story boiler room into usable program space. This $3\frac{1}{2}$ story boiler space was subdivided into 3 floors supporting chemical-research labs and a tiered lecture hall.

At a Glance:

CLIENT: West Virginia University LOCATION: Morgantown, WV COMPLETION DATE: 2008 SIZE: 32,600 Square Feet Added; 6,500 Reno. CONSTRUCTION COST: \$11 Million; \$858,838,000 Fee

Project Contact:

Kevin Kilinsky P.O. Box 6572 Morgantown, WV 26506 304-293-4841



CPASS & STUDENT HEALTH CENTER Morgantown, WV; 2014

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

At a Glance:

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

Project Contact:

Scott Owen WVU Facilities Management Project Manager P.O. Box 6570 Morgantown, WV 26505 304-293-7478



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: Blg: 88,491 Square Feet CONSTRUCTION COST: \$24.9 Million

Project Contact:

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





MONONGALIA COUNTY SHERIFF'S BUILDING Morgantown, WV; 2011

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

Site constraints and adjacent overhead structures made the development and construction of the project very challenging. The ground floor includes the sheriff's department, evidence room and several bailiff rooms. The remaining floors are deigned to house flexible office space. Restricted access, combined with a high level of security, both passive and active systems were part of the design program.

At a Glance:

CLIENT: Mon County Commission LOCATION: Morgantown, WV COMPLETION DATE: 2011 SIZE: 31,655 Square Feet CONSTRUCTION COST: \$7.9 Million

Project Contact:

Sheriff Al Kisner 116 Walnut Street Morgantown, WV 26505 301-291-7290



STATE BUILDING 25 FAÇADE RENOVATIONS Parkersburg, WV; 2020

Moisture infiltration in the form of liquid rain had been entering the offices along the perimeter of the building facing 5th & Avery Street for a number of years. The cause of the building envelope failure was determined to be the lack of window flashing installed during the 1980s façade renovation.

Alpha Associates, Inc. designed a new "rain screen" system that echoed the original brick and limestone façade with oversized fenestration that brought much welcomed daylight to the office interiors.

At a Glance:

CLIENT: State of West Virginia LOCATION: Parkersburg, WV COMPLETION DATE: 2020 SIZE: Building Exterior CONSTRUCTION COST: \$2,924,450

Project Contact:

Scot Casdorph, A&E Manager 112 California Ave. Bldg. 4 5th Floor Charleston, WV 25305 304-957-7145





REFERENCE: Mr. John Pettit Executive Office, Farm Service Agency 304-284-4881

U.S. Department of Agriculture

Morgantown, West Virginia

BASE BUILDING AND TENANT FIT-UP OF OFFICE BUILDING

H.F. Lenz Company is currently providing the mechanical, electrical, plumbing, and fire protection engineering services for the tenant-fit out of approximately 40,000 sq.ft. of a GSA-leased building to be utilized by the U.S. Department of Agriculture. The fit-out space consists mainly of offices, conference areas, lobbies, mailroom, credit union, computer center, storage space and a loading dock.

The project included:

- A central HVAC system with main and branch lines, VAV boxes, dampers, flex ducts, and diffusers for the office layout and commons areas. Separate HVAC units for the mail room and lobby spaces were provided in order to prevent contamination of other areas of the building in the event of a security threat. A separate computer room air-conditioning unit was also provided for the central computer center.
- New 277/480 V and 120/208 V, 3 phase, 5-wire electrical distribution system serving panelboards located on each floor of the complex. Receptacles supplying power to sensitive equipment were provided with an isolated ground system to prevent unwanted noise from being passed through the electrical distribution system.
- Energy Efficient Lighting with occupancy sensors for automatic control of the lighting fixtures.

The project incorporated several sustainable concepts and was designed to attain LEED[™] Certification.



AIA Pittsburgh People's Choice Award

PROJECT REFERENCE: Mr. John Sommers West Virginia University PH: 304-293-2856 john.sommers@mail.wvu.edu

West Virginia University

Morgantown, West Virginia

NEW ALUMNI CENTER

H.F. Lenz Company provided mechanical, electrical, plumbing, fire protection, telecommunications, and civil engineering services for a new 54,000 sq.ft. Alumni Center. The two-story facility features an upscale clubroom, a banquet hall, three conference rooms, a board room with its own food service, offices, a full service kitchen, 1,200 sq.ft. of retail space, a service corridor, locker area and storage rooms.

The mechanical systems were designed to condition the spaces for optimal occupant comfort levels, and at the same time be energy efficient, maintain high indoor air quality, be nonintrusive, and meet applicable code requirements. The building is broken down into seven zones to allow for flexibility and variability of use.

The three banquet hall zones are constant volume, as is the kitchen make-up air unit. The three constant volume systems allow individual control of each space with constant air flow for better circulation and distribution within these high ceiling areas.

The mechanical systems design included:

- > Separate heating zones for each of the nine rooftop, gas-fired air handling units, variable or fan-powered boxes, and terminal equipment/heated-only spaces.
- DX air conditioning units provide for 24 hour/365 day cooling for the computer server room, telecommunications room, and the remainder of the building.
- > DDC system to monitor temperature, humidity, and carbon dioxide levels in meeting rooms, pre-event spaces, and the banquet hall.
- > Type 1 and 2 exhaust systems for the kitchen cooking equipment.
- > New automatic fire sprinkler system throughout the building.
- The plumbing systems consist of new storm, sanitary, vent, condensate waste, domestic water, domestic hot water and natural gas systems, and a new grease interceptor
- Special attenuators installed in the ductwork to limit sound disturbances from the HVAC system

Construction on the \$12 million project was completed in 2008.



PROJECT REFERENCE

Mr. David Hildreth State of West Virginia 1409 Greenbrier Street Charleston, WV 25311 PH: 304-558-0510

State of West Virginia

Clarksburg, West Virginia

CLARKSBURG STATE OFFICE BUILDING

H.F. Lenz Company provided the mechanical, electrical, plumbing, fire protection, and telecommunications engineering services for the design of a new 85,250 sq.ft., five-story office building to house seven West Virginia state agencies.

The HVAC system utilizes a chilled water system with ice storage to save energy costs. The majority of the building is served by three VAV modular air handling units located in the building penthouse. A Direct Digital Control (DDC) System provides the control for the HVAC system. The system interfaces with the current system that the State of West Virginia uses to monitor its buildings from a remote location in Charleston, WV.

Lighting relay panels provide 24/7 control of the lighting in the larger areas on the various floors. Relay panels are installed on all floors except the basement. Vacancy (Occupancy) sensors are installed in all areas not described above to provide automatic shut off lights. In areas subject to larger amounts of natural light, daylight harvesting sensors are placed near windows to step-dim (reduce light output to 50%) local light fixtures in response to amount of sunlight present within the space and save energy.

A Main Telecommunications Room (MTR) is provided that houses all the service entrance equipment for signal system demarcation points as well as distribution equipment to provide the buildings signal infrastructure. Intermediate Telecommunications Rooms (ITR), feed from MTR, are constructed on each floor and contain equipment to distribute signal systems to the end user.

The project was designed to achieve LEED Silver Certification.

State agencies began moving into the new building in 2016.

Meeting the Project Goals

An important goal of the project was to provide an energy efficient, state-of-the-art facility with sustainable design features capable of achieving LEED Silver Certification. H.F. Lenz Company helped meet this goal by designing an HVAC system that utilizes a chilled water system with ice storage to save energy costs. The lighting system design also contains several energy conserving elements.

The \$20 million project was completed in 2016.









Allegany County Human Resources Development Commission

Cumberland, Maryland

NEW OFFICE BUILDING AND COMMUNITY CENTER

H.F. Lenz Company provided mechanical, electrical, lighting, plumbing, fire protection, structural and civil engineering services for the design of a new 20,000 sq.ft. two-story building which houses offices for the Allegany County Human Resources Development Commission (HRDC), energy assistance and head start programs on the second floor. The first floor houses a community center with a full kitchen that serves approximately 100 local residents per weekday. The community center also features a fitness room, computer training lab and other general meeting and multi-purpose spaces.

Key features of the project include:

- > Stormwater control for both quantity and quality
- > A tray system type green roof with raised walkway
- > A planted roof terrace
- > Ground-couple water-to-water heat pump system
- > Total energy recovery air handler
- > Radiant floor at the two-story entry lobby
- > Energy efficient lighting
- Low-flow fixtures that save more than 45% over EPA requirements

The original construction budget was \$4 million, however, due to scope increases, the budget was increased to \$5 million. Throughout the design process H.F. Lenz Company actively discussed project cost estimating with both the client and estimators to recommend systems that would meet the Owner Project Requirements and the budget with a reasonable rate of return. The majority of these meetings included county representatives, who were actively involved in the discussions pertaining to scope and costs. Through extensive value engineering efforts we were able to decrease the estimated construction cost by nearly 10% to \$4.5 million.

Construction was completed in 2009. The project has attained LEED Gold.

PROJECT REFERENCE:

Mr. Dan Lewellen Allegany County Human Resources Development Commission PH: 301-783-1712

H.F. LENZ COMPANY







Food Service Facilities

H.F. Lenz Company has designed food service areas for a wide variety of clients. Our experience includes student centers, restaurants, convention centers, banquet halls, food courts, cafeterias for educational, corporate, and healthcare facilities, grocery stores and bakeries. Our team is experience in the design of both new and occupied facilities, and is thoroughly knowledgeable and experienced in dealing with the special issues that arise with these types of projects. The following is a brief overview of some of these issues.

KITCHEN ISSUES

- Maintaining a negative air pressure balance in kitchen in relation to surrounding spaces
- > Providing appropriate fire ratings for ducts
- > Fire suppression systems under cooking hoods
- > Vaportight lighting in dishwashing areas
- Adequate lighting levels for food preparation
- > Coordination of penetrations with structural
- Possible filtration of cooking exhaust if it exits too close to air intakes
- > Emergency power capacity if coolers or freezers are added
- > Integrating new equipment controls with existing
- > Maintaining ductwork access for cleaning
- > Relocation of floor drains

PHASING ISSUES

- > Continuity of services when connecting to existing
- Hours of operation
- > Controlling dust and dirt

HIGH PERFORMANCE KITCHEN CONCERNS

- Obtaining energy efficiency through appropriate control strategies
- Air Purification capabilities in response to current and future building code requirements
- > Indoor Air Quality required to increase worker productivity and retention rates
- Safety

INNOVATION IN KITCHEN CONCEPTS

- > Smart technology capable of:
 - Identifying kitchen cooking equipment status
 - Adjusting the exhaust airflow rate based on equipment status
 - Adjusting static pressure requirements based on air flow requirements
- A design that allows system flexibility for changes in kitchen layout

H.F. LENZ COMPANY







Project Examples

KAHKWA CLUB Erie, Pennsylvania

> Study and design of mechanical and electrical systems for a large, private country club

DUQUESNE CLUB Pittsburgh, Pennsylvania

- > Renovation and expansion of the commercial kitchen and full bakery
- > Health and Fitness Center
- > Guest Suite renovations
- > Teleconferencing Center
- > Various HVAC upgrades

LAKE SHORE COUNTRY CLUB Erie, Pennsylvania

Mechanical, electrical, plumbing and fire protection design for the construction of a new 24,000 sq.ft. country club including banquet hall, restaurant and kitchen area, offices, golf shop, and locker room facilities

PETE DYE GOLF CLUB Bridgeport, West Virginia

 Mechanical, electrical, plumbing/fire protection, and communications design services for new 40,000 sq.ft. clubhouse

SCOTCH VALLEY COUNTRY CLUB Altoona, Pennsylvania

- > Renovation and expansion of the clubhouse
- Construction of a 23,500 sq.ft. addition which houses a banquet hall and locker facilities
- Renovation of existing 1,700 sq.ft. building including expansion of the lounge, construction of a new kitchen facility, and renovations to the main entrance

SUNNEHANNA COUNTRY CLUB JOHNSTOWN, PENNSYLVANIA

- > Long-range planning study
- > Formulation of exterior overall comprehensive development plan
- Reviews of mechanical and electrical systems throughout the building
- > Review of interiors

PRIMANTI BROS State College, York, & Altoona, PA

 Mechanical, electrical and structural engineering services for the development of a new prototype design for Primanti Bros. restaurant and sports clubs

CERTIFICATE OF uthorizatio STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS The West Virginia State Board of Registration for Professional Engineers having verified the person in responsible charge is registered in West Virginia as a professional engineer for the noted firm, hereby certifies ALPHA ASSOCIATES, INC. C00012-00 Engineer in Responsible Charge: RICHARD A. COLEBANK - WV PE 010346 has complied with section \$30-13-17 of the West Virginia Code governing the issuance of a Certificate of Authorization. The Board hereby notifies you of its certification with issuance of this Certification of Authorization for the period of January 1, 2020 - December 31, 2021 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 OI REGISTRATION FOR PROFESSIONAL ENGINEERS HAS ISSUED THIS COA UNDER ITS SEAL AND SIGNED BY THE PRESIDENT OF SAID BOARD BOARD PRESIDENT

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS It to whom these presents shall come. Greeting Enow De That The State Reard of Begietration for Professional Chaineses, of the State of West Virginia, reposing special confidence in the Intelligence. Integrity and Discretion of Richard A. Colebank DOES, IN PURSUANCE OF AVIHORIALY VESTED IN by law, hereby certify that he having submitted satisfactory evidence of his ability and experience, is a REGISTERED PROFESSIONAL ENGINEER Registration Mumber (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 Charleston. Citrof inthe day of Fel. year of our Lord One Thousand



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STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

Robert Catt



TRIANE AFE DITIGIE of Mest Virginia. This Certifies that Rebecca Jean Key Baltimore in the State of <u>Maryland</u>, 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 <u>26th</u> day of <u>September</u> 1994 President. Secretary.









STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

all to whom these presents shall come, Greeting

Anow Ver That Che Shile Roard 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 AVII HORIARY VESTED IN 17 by law, hereby certify that he, having submitted satisfactory evidence of his ability and experience, is a

REGISTERED PROFESSIONAL ENGINEER

Registration Mamber (In Thold) and use such title in the practice of his profession, subject to the conditions prescribed by law.



this 18th day of February in the year of our Lord 2002 and of the State the One Hundred Thirty-Cighth Le Reckly.

J. J. Jumes, Je That

STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

Given under the hand and the Seal

of the Board at the Capitol in the

City of Charleston,

Frank & Hoday

FOR PROFES Lo all to whom these presents shall come Greeting "Knut Up 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 **RSUANCE OF AUTHORITY** by law hereby certify that he having submitted satisfactory evidence of his ability and experience is a GISTERED PROFESSIONAL ENGINEE Registration Number To Hold and use such title in the practice of his profession, subject to the conditions prescribed by law. Bitten 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 Genard Timms J. Richar Ellips

Bhapen s. Schila Willier E. Siersen



STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS Ito whom these presents shall come, Greeting Anow De That The Shife Board of Registration for Professional Chaincers, of the State of West Virginia, reposing special confidence in the Intelligence. Integrity and Discretion of Charles B. Luttrell DOBS, IN PURSUANCE OF AVAILORIAN VESTED by law, hereby certify that he having submitted satisfactory evidence of his ability and experience, is a REGISTERED PROFESSIONAL ENGINEER Registration Anmber (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! 28th dayof July in the this year of our Lord One Thousand Vine Hundred and Ninety-nine and of the State the One Hundred. Thirty-sixth. STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS Frankt Hiddy Gol Deckley 2F3m fandharl. Leedet Jefmin p.





Members of the Board

Genard Timmens J. Richar Ellips

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HEAR FROM OUR CLIENTS.

J. Paul Walden West Virginia University

Robert Hammel

Former Director

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

Morgantown Municipal Airport

Every aspect and detail of [Alpha's] planning,

exceptional and outstanding in every regard.

coordination, and completed projects have been

References

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Bill Clark, Executive Director

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David Hildreth

State of West Virginia 1409 Greenbrier Street

Charleston, WV 25305

Dirar Ahmad West Virginia Division of

Highways Building 5 1900 Kanawha Blvd., East Charleston, WV 25305-0430

Charleston, WV 2530 304-558-2830

Damien Davis, City Engineer

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