

A/E Services for West Virginia Army National Guard

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WV PURCHASING
DIVISION

BUCKHANNON READINESS CENTER PHASE II DESIGN

EXPRESSION OF INTEREST BY:
PICKERING ASSOCIATES

May 5, 2020

**PICKERING
ASSOCIATES**

Architects • Engineers • Surveyors

EST. 1988

OUR MISSION

Pickering Associates is a multi-disciplined professional architectural, engineering and surveying firm providing quality services that meet or exceed our clients' expectations. We are committed to the professional development and technical advancement of our employees. We will continuously improve the delivery of our services through innovation and an entrepreneurial spirit.

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WV Purchasing Department
Tara L. Lyle, Buyer Supervisor
2019 Washington Street, East
Charleston, WV 25305-0130



Ms. Lyle,

Pickering Associates is pleased to submit this proposal for providing Architectural/Engineering services for an addition at the Buckhannon Readiness Center. Pickering Associates is a premier all-inclusive A/E Firm located in West Virginia and Ohio and headquartered in Parkersburg, WV. With our Fairmont office located within an hour from Buckhannon Readiness Center, we are able to quickly address issues that may arise during design and construction. We feel confident our design team is uniquely qualified to assist you with this project.

Our understanding is that your project includes an addition to the Readiness Center which will house an assembly hall, classrooms, a learning center, offices and other associated areas. Pickering Associates has designed many new buildings, additions and renovation projects that included the same functions. We are currently designing the Addition to the Assembly Hall at Cedar Lakes Conference Center, where we are doubling the size of the building. In addition, we have created projects such as University of Charleston Innovation Center, Garfield Medical Complex, City of Vienna Senior Center Addition and various projects with school systems. We have also designed several other similar projects that are highlighted in this proposal.

Pickering Associates can provide full A/E services in-house to complete the scope of your project and has had the opportunity to provide professional services to hundreds of clients throughout our history. We will also enlist the services of a consulting firm, AE Dynamics, LLC, to engineer and design the blast resistance required by DoD Anti-terrorism Standards. The following proposal outlines our technical expertise, management, staff capabilities and experience for providing high-quality engineering and architectural services.

Our team has extensive experience with designing additions to existing buildings, and we are aware of the challenges, concerns and issues that will need to be addressed throughout design and construction. We believe that our previous experience, qualified design team, and familiarity with and proximity to Buckhannon Readiness Center sets us apart, making our full-service firm an excellent choice for your project. Our approach to your project will demonstrate our procedure for communication, our strict adherence to schedules and budget, and our reputation for excellent quality service that results in accurate construction documents.

We look forward to personally discussing our qualifications to complete this project on time, within budget and exceeding the standards of any firm you may have worked with previously.

Respectfully submitted,

Pam Wean, AIA
Project Manager | Fairmont Branch Manager
pwean@pickeringusa.com

ABOUT THE COMPANY

Founded in 1988, Pickering Associates has been providing architectural, engineering and surveying services throughout West Virginia and Ohio for the past thirty years.

Our company is the product of three generations and more than 75 years of construction experience. This experience plus state-of-the-art engineering practices create a full-service, multi-discipline, architectural, engineering and surveying firm serving a wide range of needs and featuring innovative, customized solutions. Our highly qualified staff includes licensed professional engineers, professional surveyors, licensed architects, designers, and drafters as well as support personnel.

The disciplines we cover include architecture, surveying, project management, civil engineering, structural engineering, mechanical engineering, electrical engineering, process engineering, automation and control, and construction administration. Pickering Associates specializes in the above listed disciplines with education, government, healthcare, industrial, oil & gas and private sector clients.



**“WE ARE
COMMITTED TO THE
PROFESSIONAL
DEVELOPMENT AND
TECHNICAL
ADVANCEMENT OF
OUR EMPLOYEES.”**

ABOUT THE PEOPLE

In choosing Pickering Associates, your project will be performed to your specifications with frequent meetings and status reports to keep you up-to-date on the status of the project. Our sole focus is your full satisfaction with the completed quality installation.

Successfully executing more than 10,000 projects in its history, the firm has built a tremendous wealth of experience gaining insight into what works for each of our client types. Those lessons learned add substance to our work and provide our clients with unparalleled value.

Our objective is to partner with our clients improving their performance, flexibility, life-cycle cost, sustainability and ultimately well-being.

LEADERSHIP

V.P. of Marketing & Development

Traci Stotts, AIA, NCARB
Architect

C.E.O. & President

Ryan Taylor
Sr. Project Manager

Executive V.P. of Design

David Boggs, P.E., CPD
Sr. Mechanical Engineer

V.P. of Projects

Zac Campbell, P.M.P.
Sr. Project Manager

V.P. of Construction

Mark Welch, P.E.
Sr. Project Manager

DEPARTMENT LEADS

Civil Engineering

Spencer Kimble, P.E.

Electrical Engineering

Carl Henson, P.E.

Mechanical Engineering

Jeff Hosek, P.E. LEED AP (BD+C)

Piping Engineering

Patrick Flora, E.I.

Structural Engineering

Eric Smith, P.E.

Process Engineering

Adam Freed, P.E.

Building Information Modeling

Chris Algmin, AIA, NCARB

Construction Administration

Ronald Arnold

Surveying

Bill Showalter, P.S.

Architecture

Traci Stotts, AIA, NCARB

BRANCH MANAGERS

Athens

John Bentz, P.E.

Fairmont

Pamela Wean, AIA

Charleston

Sean Simon, AIA, NCARB

ABOUT OUR CONSULTANTS



AE Dynamics

AE Dynamics is a professional services firm providing structural engineering; building envelope design; modeling and drafting; and construction/project management services. Formed by principals Scott Higinbotham, PE and Chris Cerminara, PE, our approach to projects is one of adaptability. We believe that no two projects are the same, and we therefore tailor our services to the specific needs of the client and the project. Our team is licensed in over 45 states, and has worked on projects throughout the country and across the globe. We are very familiar with adapting to local needs while applying national experience.

Since being founded in 2012, AE Dynamics has performed Anti-terrorism and Force Protection (ATFP) Engineering for Department of Defense Structures, as well as some privately owned buildings). We have worked on over 60 military installations across the world. Our engineers have been involved with this specialty field of engineering ever since it's early incorporation into the Unified Facilities Criteria (UFC) 4-010-01. Our engineers are fluent in the use of both Static and Dynamic Analysis Methodologies for the engineering of glazing systems and supporting structural elements. We have also assisted many manufacturers in customizing and rating their systems for specific Design Basis Threats. We pride ourselves in designing cost effective solutions for glazing systems that will reduce glass fragment hazards and meet the demanding requirements of the facilities in which they are installed.

More information regarding our ATFP Engineering Services, including a map of our project locations, can be found on our website at www.aedynamics.com.



AE Dynamics, LLC

What We Are

Who We Are

What We Do

Firm Summary:

Principals:

Scott Higinbotham, PE
Chris Cerminara, PE



AE Dynamics Specializes In The Following Services:

Shop Drawings
Building Envelope Systems
Blast Mitigation Structural Engineering
Seismic Analysis/Retrofit
Structural Investigations



Active State Registrations:

Alaska	New Jersey
California	New Mexico
Colorado	New York
Connecticut	North Carolina
Delaware	North Dakota
Florida	Ohio
Georgia	Oklahoma
Idaho	Oregon
Illinois	Pennsylvania
Indiana	Puerto Rico
Iowa	Rhode Island
Kansas	South Carolina
Kentucky	Tennessee
Maine	Texas
Maryland	Utah
Massachusetts	Vermont
Minnesota	Virginia
Mississippi	Washington
Missouri	Washington, DC
Montana	West Virginia
Nevada	Wisconsin
New Hampshire	Wyoming

AE Dynamics is a professional services firm providing shop drawings and structural engineering services for window, curtainwall, glazing and other building envelope systems. Our approach to projects is one of adaptability. We believe that no two projects are the same, and we therefore tailor our services to the specific needs of the client and the project. Our team has worked on projects throughout the country and is therefore very familiar with adapting to local needs while applying national experience. AE Dynamics regularly works with clients in both the pre-bid design phase as well as throughout the submittal and construction process.

AE Dynamics was formed by principals Scott Higinbotham, PE (Bachelor of Architectural Engineering, Penn State University, 2000) and Chris Cerminara, PE (Master of Architectural Engineering, Penn State University, 2000). In addition to their own expertise, the two principals have assembled a team of in-house professionals who all work together to make AE Dynamics a leading firm in the industry.

Engineers form half of the AE Dynamics team. Our engineers are all licensed professionals and have extensive experience with both specialty glazing and building envelope systems, as well as full structural engineering expertise.

CAD Technicians make up the other half of the AE Dynamics team. All of our CAD Technicians have formal education in various CAD and BIM platforms and are experienced in technical drafting. They all go through extensive, hands-on training with curtain wall, storefront, entrance and window systems to help make them specially qualified compared to most other drafters in the industry.

AE Dynamics has drawn on the experience of its two principals to create a unique set of services for the construction industry. We are a full service structural engineering firm that also specializes in systems relating to the glass & glazing industry.

Glass & Glazing design: From submittals to close-outs, AE Dynamics offers a full range of services for the glass and glazing industry including take-offs, submittal packages, shop drawings, structural calculations, and field services. We are experienced in commercial construction, blast mitigation, impact design, and wind load design for window, curtain wall, glass railings, composite panels, and sunshade systems.

Structural Engineering: AE Dynamics offers full service structural engineering for both commercial and residential construction. We regularly work with all conventional types of building materials, as well as performing specialized designs for aluminum and glass systems. Our engineering staff is experienced with projects ranging in size from the design of small specialty components to full structures for low to mid-height buildings.

1800 W. Koch Street #5
Bozeman, MT 59715
406-763-6375

www.aedynamics.com
877-208-8428

1015 Hunt Valley Circle
New Kensington, PA 15068
724-472-1055

YOUR PROJECT

Pickering Associates takes pride in our approach to projects and project management. We strive to deliver consistent projects that manage and exceed client expectations, on schedule and under budget. The Project Manager will coordinate with each design discipline and work with WVANG. Our Project Manager will be the Client's main point of contact throughout the project.

Our Project Management practices are formed around the principles of the Project Management Institute and will be adapted and tailored to deliver a successful project. Communication will be consistent, and constant, from project kickoff to closeout through all phases that are defined below.

- Program Verification and Schematic Design:

As this phase of the project is complete, we will begin with a review of plans and scope completed to date. Upon completion of review and adjustments, a phase gate review and approval will take place to move the project into the next phase.

- Design Development:

This phase will compliment and refine the work completed in Schematic Design. Systems will be defined and details will be created. The project budget will be reviewed and refined as required. As the design develops, the contingency funding requirements will decrease with the increased accuracy of the design phase estimate.

- Construction Documents:

The construction documents will include the final technical specifications and relative contractual documentation, including: drawings, bond form, contract form, contracting definitions, and contract general conditions. The design will go through an internal constructibility review by principal professionals of the firm at this phase of design. The project construction budget will be more firmly established. Upon approval of the contract documents bid packages will be created and bids obtained.

- Construction:

Pickering Associates will work with WVANG and the selected contractor to define the construction schedule. Weekly construction progress meetings are anticipated.

The quality of construction will be inspected throughout construction to assure that all work is in compliance with the project bid documents. Submittals, warranties and other pertinent contractor deliverables will be received, logged and transmitted

to the agency and project stakeholders. Pickering Associates will deliver as-built record documents and warranties at the conclusion of the contractor work to the agency and project stakeholders. Our team will arrange and administer a 9-month walk through of the project to assure that the program was delivered in conformance with the vision of the agency and project stakeholders.

We feel confident that with our experience in the military and commercial industries, over a multitude of project types, we can deliver a successful project to you and your team. Regardless of the approach, we can utilize our knowledge, process, and relationships to make this experience a win for all parties involved. We would like to thank you for giving us the opportunity to submit on this project and look forward to continuing our work with the West Virginia Army National Guard.

Objective/Goal 1

Phase 1- Vendor will complete a partial design that represents 35% of the design work that will allow the agency to provide a high-level overview of the Construction, including construction cost estimates, for the purpose of securing additional funding. Key design elements include but are not limited to; a permanent masonry building consisting of an assembly hall, classrooms, learning center, kitchen, toilets and showers, office space and administrative and general-purpose areas. All electrical and mechanical systems will be provided within the design to support the facility. Supporting assets will consist of paved roads, concrete pads, concrete sidewalks and vehicle parking. Physical Security measures will be considered during the design to assure proper standoff distances. Cost effective energy conserving features will also be incorporated within the design.

The experience provided by Pickering Associates will prove to be beneficial in many ways when completing Phase 1 of the Buckhannon Readiness Center Addition. First, our well-established Construction Administration Department is comprised of individuals who have worked both as general contractors as well as in the design field. This team will provide accurate cost estimates that you can be confident will serve your needs in securing funding for the project.

Second, our in-house architects and engineers have provided successful design solutions for many clients including several projects for the WVANG. We have also designed assembly halls, classrooms and higher-ed learning centers as well as associated kitchens, restrooms, office and common spaces. With our engineers and architects under one roof, we can pull the ideal

YOUR PROJECT CONTINUED...

individual from each discipline to ensure the highest level of experience and knowledge will be available to your create your project.

Third, we will enlist the services of design consultants from AE Dynamics, LLC, with whom we have worked in the past, to accurately engineer and design blast-resistant components based on the DoD Antiterrorism Standards for Buildings. In addition, we consistently include energy-efficient solutions in all of our designs as budget allows.

Objective/Goal 2:

Architect will provide all geotechnical work to include any necessary drill borings, designer shall be responsible for researching and investigating the location of existing underground and above ground utilities. Architect will also provide drawings and specifications of any and all utility and road infrastructure as needed and directed by the owner and/or state agency, utility company or other utility approval authority for Buckhannon, West Virginia.

Our in-house civil engineering department will address all of your needs in determining roadways, utility infrastructure and exterior features. We will also utilize our on-staff surveyors to provide accurate surveys for our use in design. Our civil and structural engineers will enlist the services of a geotechnical firm to provide soil borings and analysis for our use in designing structural foundations.

Objective/Goal 3:

Phase 2- If Federal funds are secured and Phase 2 is authorized by the Agency, Phase 2 would require the vendor to complete the following.

1. Design Completion- Vendor will complete the remainder of the Project design with Owner approvals required at 65%, 95% and 100% of construction bid drawing and specification completion. All designs must meet current building and military codes and regulations. At each approval step, Vendor must include adjustments to the Construction cost estimate based on the additional completed design work. Key design

elements include but are not limited to; a permanent masonry building consisting of an assembly hall, classrooms, learning center, kitchen, toilets and showers, office space and administrative and general purpose areas. All electrical and mechanical systems will be provided within the design to support the facility. Supporting assets will consist of paved roads, concrete pads, concrete sidewalks and vehicle parking. Physical Security measures will be considered during the design to assure proper standoff distances. Cost effective energy conserving features will also be incorporated within the design.

2. Competitive Bid Assistance- Vendor will assist Agency in the competitive bidding process for construction as needed with responses to questions and answers, design/specification modifications, and addenda preparation.

3. Construction Administration- Vendor will perform construction administration services during Construction.

Pickering Associates is familiar with the periodic design milestones required by the WVANG, as with many other clients. We urge you to contact our references to discuss the accuracy and timeliness of our team's ability to meet these deadlines. Again, our CA team will continue to update the cost estimate as the design progresses.

In order to ensure our designs meet building and military codes, your project will be reviewed by our in-house Plans Examiner who is certified by the State of WV Fire Marshal, and is experienced with the regulations set forth in the DoD Antiterrorism Standards.

Objective/Goal 4:

Pricing- Pricing for Phases 1 and 2 will be established in the contract resulting from this solicitation and the negotiations described below. Vendor must be willing to hold design pricing for Phase 2 firm for at least 2 calendar years after contract award while the Agency attempts to secure additional Federal funding for Phase 2, and assuming that funding is obtained, must be willing to hold pricing for bid assistance and construction administration firm for 2 calendar years plus the amount of time necessary to complete those activities after the award of a contract.

Pickering Associates is more than happy to hold our fees for two calendar years or more after award of contract while funding is sought.

YOUR PROJECT

Project Owner

West Virginia Army National Guard
Constructions and Facilities
Management

LEADERSHIP

Design Lead

Jeff Hosek, P.E. LEED AP
Mechanical Engineer

Jeff has been contributing mechanical engineering expertise and project management for more than ten years and has been a major contributor to a number of LEED projects. He served as the engineer of record for the mechanical design of a \$25M high-rise residential dormitory and has acted as lead mechanical engineer and project manager for a variety of projects.

Project Manager

Pam Wean, AIA
Project Manager

Pam has extensive experience working on a variety of projects including historical renovations, commercial expansions and civic projects. As a long-time resident and the manager of the Fairmont office, Pam provides over 35 years' experience in architectural services and project management expertise.

Design Lead

Spencer Kimble, P.E.
Civil Engineer

Spencer coordinates and manages a team that provides site planning and development to industrial, commercial and institutional accounts. He has a wealth of experience with storm water management, erosion control, site utility layout, parking lot design and permit assistance.

DESIGN TEAM

Electrical Engineering

Carl Henson, P.E.

Structural Engineering

Eric Smith, P.E.

Plumbing Engineering

David Boggs, PE

Construction Administration

Ron Arnold

Force Protection Engineering

AE Dynamics
Scott Higinbotham, P.E.

Surveying

Bill Showalter, PS



WHAT FULL SERVICE MEANS

For owners and designers, civic projects present a unique set of challenges and opportunities in an effort to maintain, renovate and expand services provided within the facility as well as service a wide range of individuals all with different needs and abilities. While some civic projects allow a design team to start from the ground up, many civic building projects involve the adaptive reuse of an existing facility or an addition to an existing facility in order to facilitate the owner's continued demand for growth. It is also important for owners to find a team with the depth of experience in dealing within the restrictions of limited budgets, governing regulations, multiple phase oversight and approving agencies.

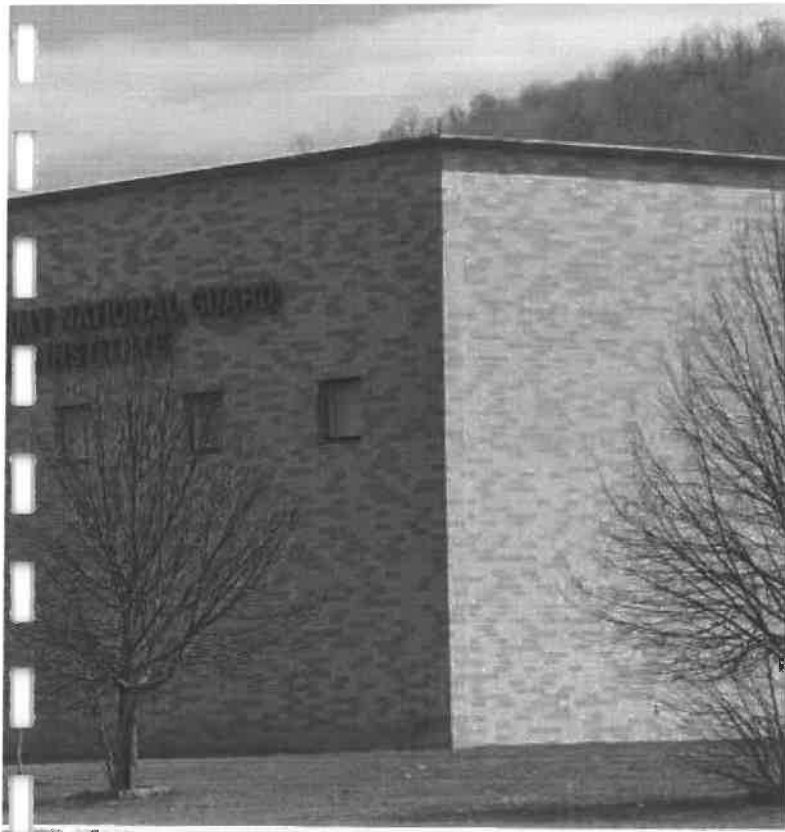
Civic projects also present a unique design for the team selected for a project by the fact that potentially every component of the design will be subjected to an expanded range of users may not present or even known during facility designs. Pickering throughout the years has been able to engage with many civic organizations to provide design and consultant services on multiple projects including industrial parks, warehouse upgrades and renovations, Community Centers, office facilities, fire stations, and conference centers.

Our depth of experience and staffing provides owners with the knowledge and resources to execute their projects effectively. We understand and execute projects to create facilities which meet ADA compliance, higher security through knowledgeable design practices and the use of technology, greater occupancy safety while providing our clients with scheduled phase

gate review points for proper oversight and approval, concise project management to maintain budget and schedule oversight and assistance throughout the review and approval process with governing agencies.

OUR APPROACH

With the selection of Pickering Associates, your organization gains the full depth of our organization. All projects are scheduled out through all phases of delivery by our resource manager and the project manager, assigning the necessary resources to perform to the schedule necessary for that project and highlight major milestones long before they could become an issue. With more than 60 professionals on staff, you can be confident that Pickering Associates has the resources to meet your project schedule. Because we are a full-service firm, we are able to provide a better coordinated project than firms who are required to use outside consultants. We organize regular in-house project team coordination meetings throughout the design phases of a project to discuss and resolve any issues or concerns that may arise. We feel that this face-to-face coordination with our design team is more effective and efficient than coordinating via email or over the phone.



Our close coordination efforts have proven valuable in many cases where the design schedule is accelerated and/or where there is equipment in the project that requires the effort and coordination of several disciplines.

Pickering Associates has invested in state-of-the-art 3D Scanning technologies to more quickly and accurately document existing site conditions. This helps our design teams capture existing site data in more detail and in a format that blends well with our 3D modeling and BIM workflows. This tool allows us to send a small scanning team into an existing building/space and virtually document the conditions of the area in three dimensions, including detailed color photographs throughout the scanned area for design teams to reference throughout the project. This data capture implementation is safer and more efficient for our designers. It reduces the time and equipment needed for traditional hand-measuring that our industry has been accustomed to throughout the years.

By working with Pickering Associates you will see that teamwork is the spirit and foundation of our organization. We acknowledge the importance of a quick turn-around and excellent quality services which our administrative procedures, overall organization and depth of experience are posed to provide you. As you will see from our resumes and company experience, we are uniquely qualified to offer the professional services required and to ensure that your vision becomes a reality.

OFFICE LOCATION: HEADQUARTERS

11283 Emerson Ave.
Parkersburg, WV 26104

CONTACT INFORMATION:

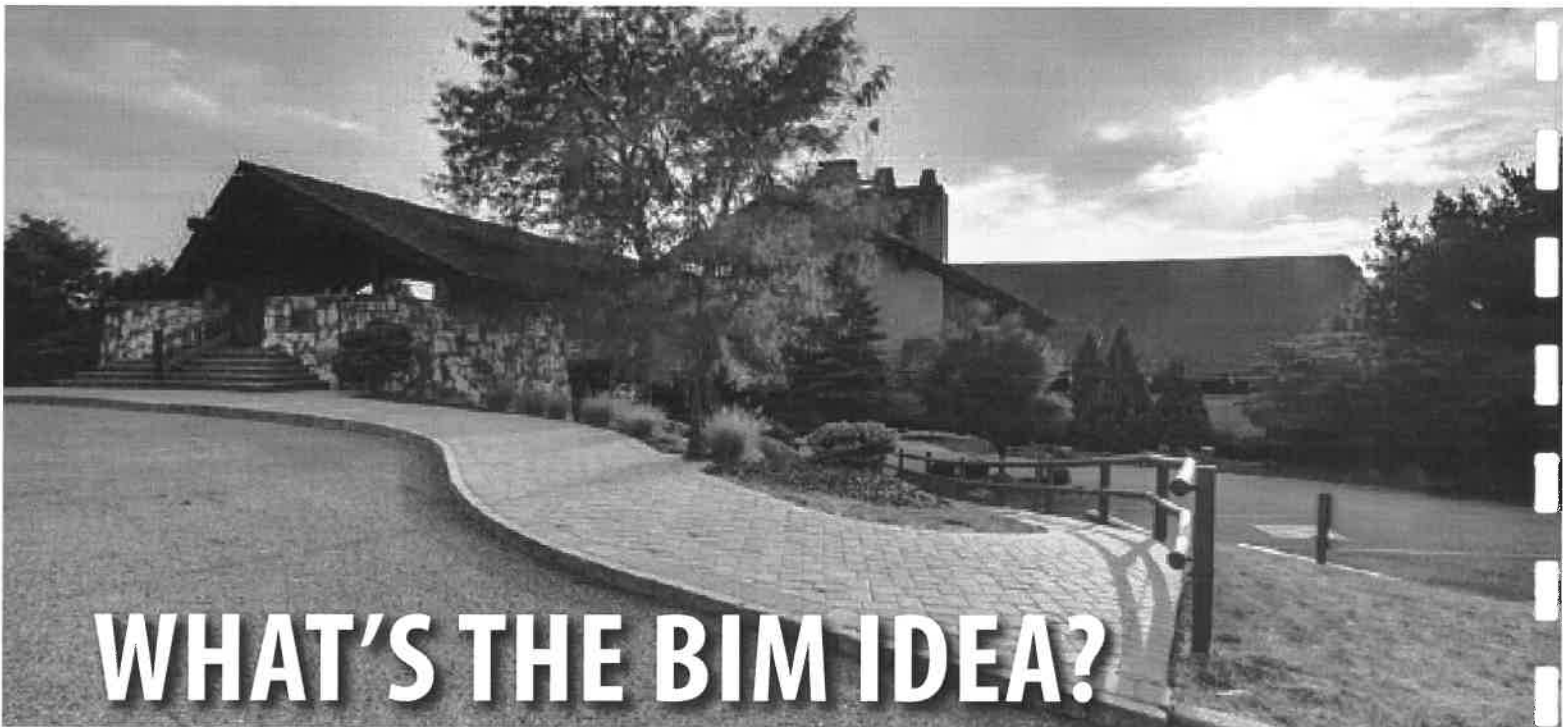
Pam Wean, AIA
Project Manager
(P) (304)363-1004 EXT: 5001(E)
pwean@pickeringusa.com

SERVICES:

- Architecture
- Interior Design
- 3D Model Design
- Landscape Architecture
- Civil Engineering
- Structural Engineering
- Electrical Engineering
- Automations & Controls
- Mechanical Engineering
- Piping Engineering
- Process Engineering
- Surveying
- Marketing Development
- Construction Services
- Project Management

Rated as one of the
TOP
Engineering Firms in
West Virginia.

- The State Journal



WHAT'S THE BIM IDEA?

Pickering Associates "IDEA" is our Integrated Design Execution Approach.

Integrated - we want our clients, contractors and end users engaged in the process of design. When the right people are involved, accessing the best information, good decisions are made.

Design Execution- refers to how we develop and optimize your project. We focus on the questions that have the most impact. We assign the right staff with the right tools

Our Approach- recognizes that projects are constantly changing and evolving as the project progresses. We tailor a plan for the project objective, maintain and monitor it so it remains optimized to achieve project goals, faster.

Pickering Associates' Integrated Design Execution Approach - our "IDEA", is a big deal, and will help your project be successful.

Building Information Modeling is a process that aligns to all aspects of our "IDEA". It is integrated, allowing easy access to project information. The software we use help understand the proposed design, coordinate, and identify the critical problems that need answers. Most importantly, Building Information Modeling is a process that fits with our Approach. Allowing the project team to evolve seamlessly as more information is available and new stakeholders are brought onto the team.

Efficient visual communication and an in-depth design understanding are the greatest assets that BIM brings to the table at Pickering Associates. The composite model allows our team to accelerate project development and simplify conversations during design reviews. Having the capability to visualize all of the design models together in a single review session aides both inter- and intra-department collaboration with all

Project stakeholders like never before. Capturing all client and designer comments and feedback within a 3D model live during a review session saves countless hours of paging through "redlines" generated from traditional 2D physical paper reviews. The added capacity to search and export reports of these digital comments allows our team to capture and track design communications more efficiently than ever before.

Pickering Associates has invested in state-of-the-art 3D Scanning technologies to more quickly and accurately document existing site conditions. This helps our design teams capture existing site data in more detail and in a format that blends well with our 3D modeling and BIM work flows.

This tool allows us to send a small scanning team into an existing building/space and digitize the as-built conditions of the area in three dimensions, including detailed color photographs throughout the scanned area for design teams to reference throughout the project. This data capture implementation is safer and more efficient for our designers. It reduces the time and equipment needed for traditional hand-measuring that our industry has been accustomed to throughout the years. Granting our designers the ability to measure from a 360 degree image or point cloud with higher accuracy and faster than field measurements.

Building Information Modeling is a process that starts at integrating the team, provides access to project information, incorporates tools to understand design execution, and allows teams to focus on what matters most for the project. It perfectly complements Pickering's Integrated Design Execution Approach, and we can't wait to show you BIM and our "IDEA"s!

PAST PROJECTS

* More Project examples available upon request

City of Marietta

Marietta, OH

Phase 1,2,3 Marietta City Hall Renovations
City Hall Roof Replacement
Armory Structural & Reroofing
Duckbill Outfall
Water Treatment Plant Solids Contact Tank Painting
North Hills Elevated Water Tank
Channel Lane Culvert
Harmar & 676 Elevated Water Tanks
Sherry Dr/Hadley Ln Water LN Replacement
Additional Survey-Sherry Dr/Hadley Water
Greene St/Colegate Dr Waterline Replacement
Armory Ground Floor Renovations
Marietta Waste Water Treatment Plant Phase 2 Services
Armory Elevator

City of Parkersburg

Parkersburg, WV

Engineering Assistance with Boiler I
Old Sumner School Site and Building Evaluation
Downtown Electrical Lighting Design
Emerson New Fire Station Design & Construction Administration
Covert Street New Fire Station Design & Construction Administration
Liberty Street New Fire Station Design
City of Parkersburg Master Planning Design

City of Vienna

Vienna, WV

New Building Addition for Police Phase 1&2
Police Department Redesign
New Senior Center Addition

Vienna Volunteer Fire Department

Vienna, WV

Vienna Volunteer Fire Station Addition
Police Station Generator Renovation

HAPCAP

Athens, Hocking, Perry, OH

South East Ohio Foodbank Freezer
Elevator Addition

Parkersburg Utility Board

Parkersburg, WV

Repair Martown Reservoir Communication
Add radio & PLC to Pettyville site
Quincy Street SCADA

Putnum Water Corporation

Marietta, OH

Pump Controls Call-Out
Solar Panel Call-out 10/2010
New Water Plant SCADA Installation
Additional Water Plant SCADA Installation
Robinson Road Waterline
Chevy Chase Manor Water Line

West Virginia Department of Natural Resources

Charleston, WV

Chief Logan Pump
New District 6 Office Design

West Virginia Army National Guard

Charleston, WV

Kenova Vehicle Exhaust HVAC Upgrades
Camp Dawson Building 215 Windows and Door Replacements
Camp Dawson Rappel Tower Renovation
Camp Dawson Structural Repairs

Parkersburg & Wood County Library

Parkersburg, WV

Library Sign Foundation
Emerson Library Roof Replacement
Emerson Library Renovation & New Entry Addition

Lubeck Utility Board

Lubeck, WV

Troubleshooting Device Net
Lookout HMI to Panelview SE Display
Install Pressure Filtration Sys PLC

Athens County Engineer

Athens, OH

Office Generator



UNIVERSITY OF CHARLESTON INNOVATION CENTER

PROJECT SPECS:

PROJECT COST
\$16,000,000

SQUARE FOOTAGE
70,000

DESIGN COMPLETION
MAY 2015

CONSTRUCTION COMPLETION
JANUARY 2017

SERVICES PROVIDED

ARCHITECTURE
PROJECT MANAGEMENT
CONSTRUCTION MANAGEMENT

CLIENT CONTACT

CLETA M. HARLESS
EXECUTIVE VICE PRESIDENT & CFO
P) 304-357-4800
E) CLETAHARLESS@UCWV.EDU

The Russell & Martha Wehrle Innovation Center and The H. Bernard Wehrle, Sr. Athletic Arena was designed as a renovation of the existing gymnasium with the addition of an innovation center. The new facility houses over 70,000 square foot on the owner's campus and marries the old facility with the new addition, while remaining true to its heritage and blending within the fabric of the campus. The original gym, completed in 1947, posed many challenges to the design and construction teams in order to bring the 70 year old building up-to-date while incorporating it into a modern building to be used for many years to come.

The program for this dramatic addition to the current gymnasium includes a large, two story atrium, a hall of fame, concessions, an innovation hub featuring exhibit space, meeting rooms, classrooms, and team work space, athletic training facilities and locker rooms, conference rooms, a Presidential Suite, video rooms, and offices.

The Innovation Center has become a prestigious gathering place for both students and the community. The University of Charleston has always been open to the community and this center epitomizes their commitment to the community. In keeping with the focus of the building and the owner's mission, every part of the building is equipped with cutting edge technology to enhance both the student's innovation and imagination while providing visitors with a stunning experience. In addition, the project truly captures the owner's focus to be a leader in innovation while remaining a great steward of the resources granted to them





CEDAR LAKES CONFERENCE CENTER ASSEMBLY HALL ADDITION

PROJECT SPECS:

PROJECT COST
\$1,100,000

SQUARE FOOTAGE
5,025 SF

DESIGN COMPLETION
EST JUNE 2020

CONSTRUCTION COMPLETION
EST SPRING 2021

Pickering Associates was hired by the West Virginia Department of Agriculture to design an addition to the existing Assembly Hall at Cedar Lakes Conference Center. The desire is to expand the building in order to double the seating capacity to 600 people. Events at the facility range from 4H conferences and training sessions to community events and wedding receptions.

Currently in the design stages, the project will require demolition of an existing classroom building. The Assembly Hall expansion will match the existing exposed wood laminate arched beams and cathedral ceiling. The facility will provide new AV equipment and acoustic features. In addition, classrooms will be provided to replace the rooms that will be eliminated with the building demolition.

Construction is scheduled to begin in the summer of 2020.

SERVICES PROVIDED

ARCHITECTURE
CIVIL
ELECTRICAL
MECHANICAL
PLUMBING
STRUCTURAL
SURVEYING
PROJECT MANAGEMENT

CLIENT CONTACT

KAREN FACEMYER
DIRECTOR OF CEDAR LAKES CONFERENCE CENTER
P) 304-428-1622
E) KFACEMYER@WVDA.US



PROJECT SPECS:

PROJECT COST
\$430,500

SQUARE FOOTAGE
3,880

DESIGN COMPLETION
SEPTEMBER 2015

CONSTRUCTION COMPLETION
MARCH 2016

SERVICES PROVIDED

ARCHITECTURE
ELECTRICAL
MECHANICAL
STRUCTURAL
PROJECT MANAGEMENT
CONSTRUCTION MANAGEMENT

CLIENT CONTACT

DAVID WHITE
DIRECTOR OF FACILITIES
304-424-8225
DAVE.WHITE@MAIL.WVU.EDU

West Virginia University-Parkersburg (WVU-P) wanted to renovate existing interior office space in their Main Building to house a One-Stop Welcome Center for Student Services. Pickering Associates designed a space to better serve students at the campus by combining and streamlining the financial aid, registration and enrollment process.

Pickering Associates worked with the faculty and staff of WVU-P to accommodate all student services and ensure that students were able to easily move from one department to the next. Previously, students were standing in the hallways and outside offices throughout the school taking care of scheduling, financial aid and advising. The new center uses a triage space to determine what services a student needs, and then to direct the students to advisors for enrollment, financial aid, registration, admissions and academics. Included is a comfortable waiting area, and a new testing facility.

This project was completed both ahead of schedule and under budget.





PROJECT SPECS:

PROJECT COST
PRIVATE

SQUARE FOOTAGE
30,000

DESIGN COMPLETION
JULY 2012

CONSTRUCTION COMPLETION
SEPTEMBER 2013

SERVICES PROVIDED

ARCHITECTURE
CIVIL
ELECTRICAL
MECHANICAL
PIPING
PROJECT MANAGEMENT
CONSTRUCTION MANAGEMENT

CLIENT CONTACT

JIM STAVRAKIS
TITLE
P) (740) 376- 9396
E) JIM@MONDOPOLYMER.COM

Pickering Associates was contracted by Mondo Building and Excavating on behalf of Washington Electric Cooperative to provide design-build services for a new office and warehouse building. The Client had outgrown their existing facility and was utilizing more than one location to house their operations. This new building allowed the client to maintain all of their operations under one roof while factoring in future growth for the company.

The design-build team for this project provided the owner with a new LEED certified building that met all of their needs. Our services also included LEED design, LEED management, and limited construction administration services.

Scope of work included: Grading for roadway relocation, site grading, sediment and erosion control, storm water management design, foundation design, interior and exterior retaining wall design, anchor bolt embedments, plumbing plans, storm water design, natural gas piping design, HVAC design assistance, building code review, architectural drawing assistance and review, and a fire protection plan with building code information.

Pickering attended project coordination meetings with the client and contractor, completed all required AIA documents for the project, submitted drawings for permitting, reviewed contractor shop drawings, reviewed pay applications, performed the final walk-through with the client, and managed the LEED design services for the project.



GARFIELD RENTAL GROUP

GARFIELD MEDICAL COMPLEX

PROJECT SPECS:

PROJECT COST
\$4,845,393

SQUARE FOOTAGE
34,000

DESIGN COMPLETION
MAY 2014

CONSTRUCTION COMPLETION
JANUARY 2016

SERVICES PROVIDED

- ARCHITECTURE
- BIM DESIGN
- CIVIL
- ELECTRICAL
- MECHANICAL
- STRUCTURAL
- SURVEYING
- PIPING
- CONSTRUCTION MANAGEMENT
- PROJECT MANAGEMENT
- MARKETING DESIGN

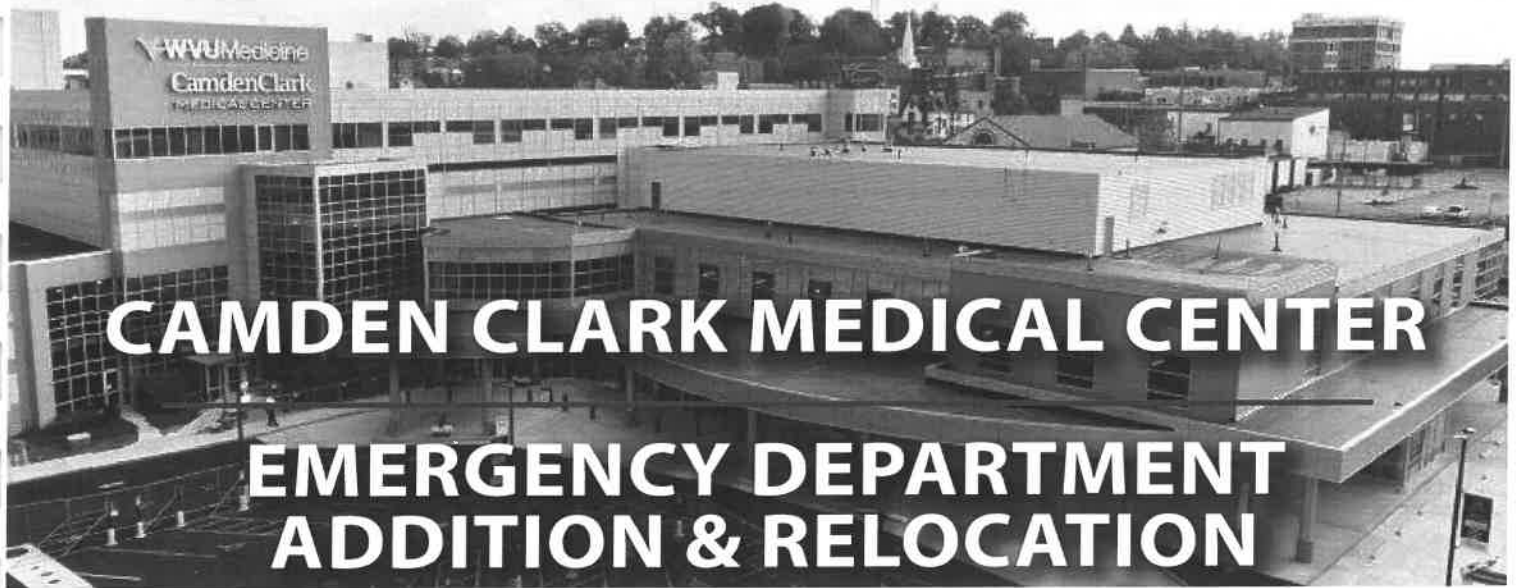
CLIENT CONTACT

JERRY STEELE
PROJECT MANAGER
P) (304) 481-0597
E) JSTEELE@STEELEMEDICALCONSULTING.COM

Garfield Rental Group built a Professional Medical Office Building for use as office building tenant space primarily for doctors and health care providers. The building was designed to be a onestop shop to house doctors' offices, physical therapy offices, dentistry offices and a pharmacy.

Multi Disciplinary Medical Complex consisting of pharmacy, internal medicine/pediatrics, rehab services, and orthodontia.





PROJECT SPECS:

PROJECT COST
\$22.5 MILLION

SQUARE FOOTAGE
63,000

DESIGN COMPLETION
MAY 2015

CONSTRUCTION COMPLETION
NOVEMBER 2016

SERVICES PROVIDED

ARCHITECTURE
BIM DESIGN
CIVIL
ELECTRICAL
MECHANICAL
PIPING
SURVEYING
PROJECT MANAGEMENT
CONSTRUCTION MANAGEMENT
MARKETING DESIGN

CLIENT CONTACT

BARRY JUSTICE, CHFM, CHC
DIRECTOR OF ENGINEERING
P) (304) 424-2111
E) barry.justice@wvumedicine.org

Pickering Associates worked with Camden Clark Medical Center to design a 63,000-sf expansion to house their emergency department and new inpatient unit. The 44-bed emergency department was designed as a split-flow model where the most critical patients are cared for at the ambulance entrance and high-acuity patients utilize a walk-in section. The emergency department boasts of three new state-of-the-art trauma rooms, CT scanner, diagnostic room, digital x-ray facility, stat lab, and behavioral health wing.

On the floor above, a new 30-bed inpatient unit connects to the existing operating suite. The design includes 15 surgical beds and 15 advanced care beds which allows staff to move patients more expeditiously to the operating rooms, if immediate surgery is required. All patient rooms are private and spacious, each with its own private toilet/shower room. Pickering Associates provided complete surveying, engineering, and architectural services, guided hospital leadership through the bidding process and oversaw the project throughout construction with full-time on-site representation.





PROJECT SPECS:

PROJECT COST
\$7,800,000

SQUARE FOOTAGE
75,000

DESIGN COMPLETION
JUNE 2018

CONSTRUCTION COMPLETION
EST SEPTEMBER 2019

SERVICES PROVIDED

ARCHITECTURE
CIVIL
ELECTRICAL
MECHANICAL
PIPING
STRUCTURAL
PROJECT MANAGEMENT
CONSTRUCTION MANAGEMENT

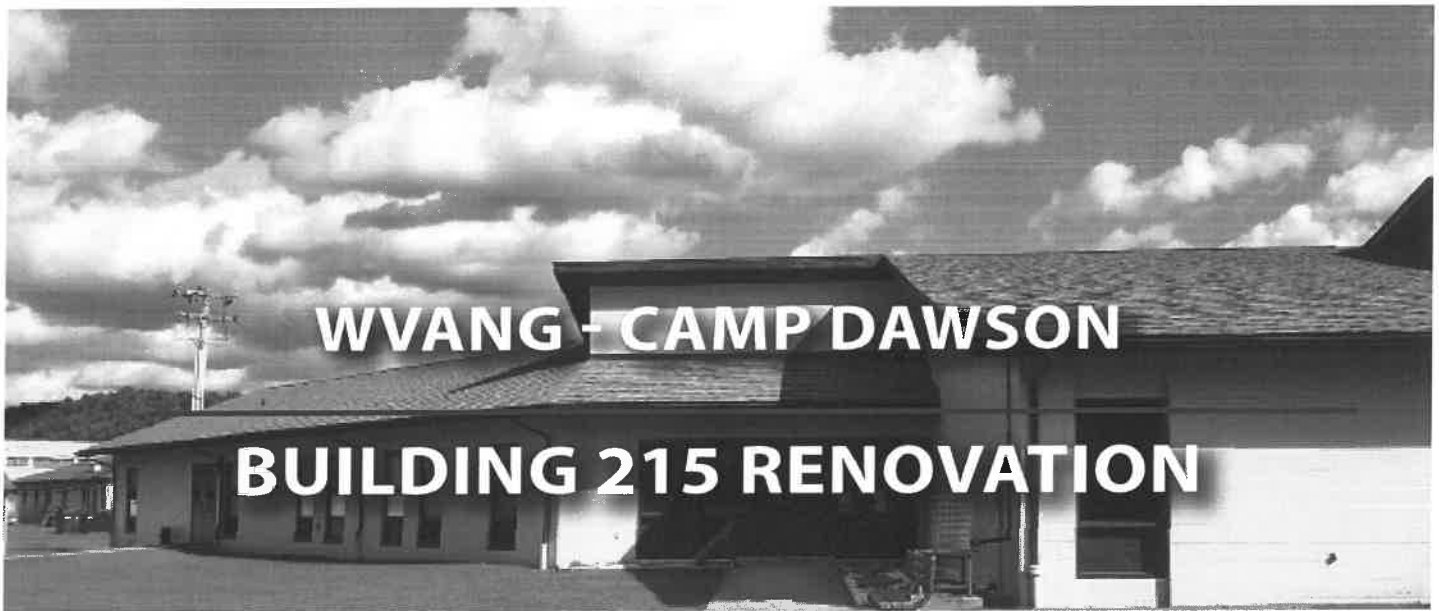
CLIENT CONTACT

ROBERT L. MORRIS, JR.
EXECUTIVE DIRECTOR
P) 304-637-0803
E) ROBBIE@RCDAWV.ORG

The Randolph County Development Authority hired Pickering Associates to design a 75,000 square foot plant manufacturing and storage expansion for Armstrong Hardwood Flooring. Pickering prepared a Preliminary Engineering Report to aid in acquiring funding for the expansion.

The construction needed to be phased in order to keep manufacturing operations functioning. The new structure is being constructed one half at a time so that existing loading docks remain operational until the new loading docks can be used. The completed project scope includes creating 7 outbound loading docks, 3 inbound loading docks, 2 flatbed loading zones all located under a covered canopy area. An area of sorting racks, matching their current system, which can handle approximately 500 +/- incomplete pallets at one time. Indoor storage area for 352 +/- bins which will hold 4 to 5 stacked pallets (in depth and height) with a floor tagging system to match the current system in use. Cross flow ventilation provided during the cooling season, space heating and humidification provided during the heating season for the storage and sorting areas. An area around each loading dock is dedicated to pre-shipment sorting and organizing for staging. Charging stations/bays for 4 forklifts. Video security system and wireless network access throughout the facility and a scale system.





WVANG - CAMP DAWSON BUILDING 215 RENOVATION

PROJECT SPECS:

ESTIMATED PROJECT COST
\$705,361

DESIGN COMPLETION
MAY 2019

CONSTRUCTION COMPLETION
TO BE DETERMINED BY OWNER

The West Virginia Army National Guard Command was seeking architectural and engineering professional services to renovate Building 215 at Camp Dawson by replacing all windows and doors. This facility houses West Virginia National Guard troops for training.

The key design elements for the project included new windows and doors that are better suited to protect against transference of heat and cold. The new windows included window shades that have the option of light filter and black out. The project also included the replacement of all exterior and interior door hardware. The new door hardware is of high security type per the West Virginia National Guard specifications.

SERVICES PROVIDED

ARCHITECTURE
CIVIL
ELECTRICAL
MECHANICAL
STRUCTURAL
CONSTRUCTION MANAGEMENT

CLIENT CONTACT

TODD REYNOLDS
PROJECT MANAGER
P) (304) 561-6658
E) MATTHEW.T.REYNOLDS18.NFG@MAIL.MIL





PROJECT SPECS:

ESTIMATED PROJECT COST
\$425,962

DESIGN COMPLETION
APRIL 2019

CONSTRUCTION COMPLETION
TO BE DETERMINED BY OWNER

SERVICES PROVIDED

ARCHITECTURE
CIVIL
ELECTRICAL
MECHANICAL
STRUCTURAL
CONSTRUCTION MANAGEMENT

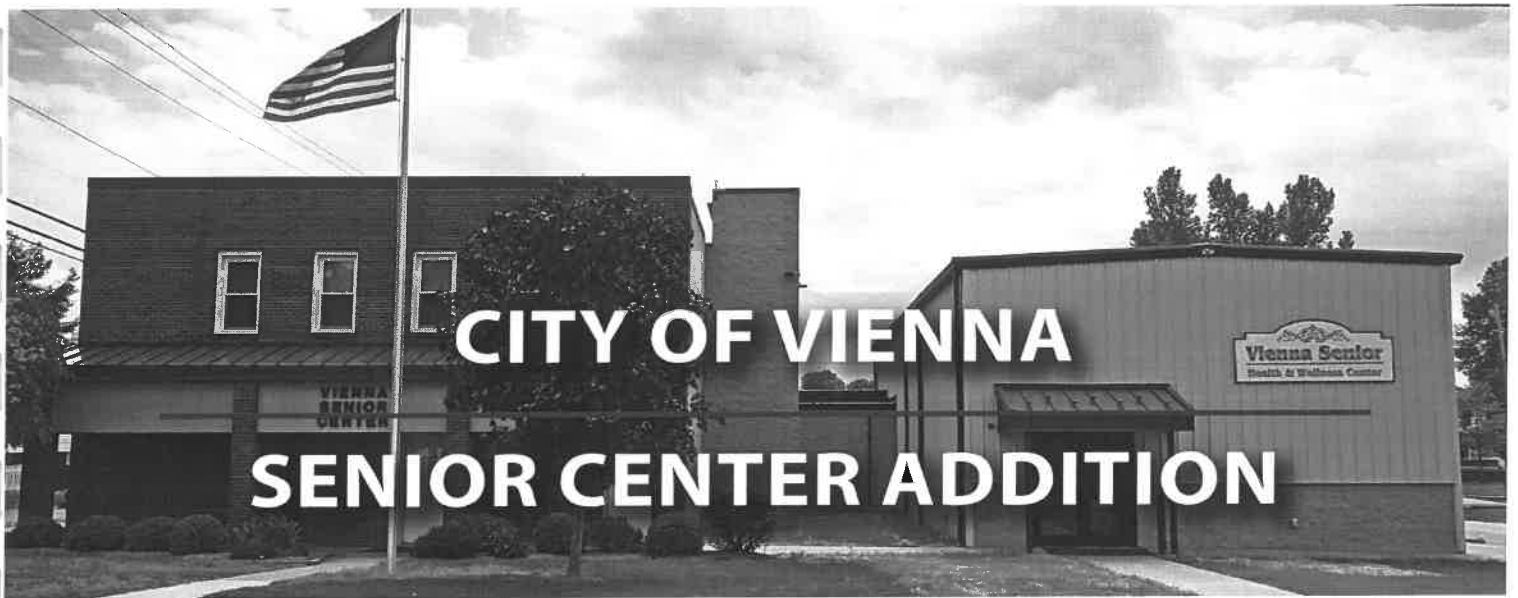
CLIENT CONTACT

TODD REYNOLDS
PROJECT MANAGER
P) (304) 561-6658
E) MATTHEW.T.REYNOLDS18.NFG@MAIL.MIL

The West Virginia Army National Guard Command was seeking architectural and engineering professional services for the restoration of the Rappel Tower Support Facilities at Camp Dawson. The Rappel Tower Support Facilities consists of two (2) pre-fabricated concrete buildings; one of which is a classroom building, and the other restroom facilities. Each building has some structural and sustainment issues that need to be addressed both structurally and mechanically. This facility will be used by soldiers in training.

The design elements for the project generally included abating mildew and molded wall board and material from classroom area, addressing roof issues, storm drainage, design for new HVAC systems, new instantaneous domestic hot water system, restroom renovations, and new interior and exterior LED lighting for both buildings.

During the development and progression of design scope it was determined that the electrical service to the classroom building and the electrical distribution panel in the restroom building were insufficient to power the necessary and needed HVAC systems to meet the request to air condition the restroom building of the project. Pickering Associates addressed this additional scope with no delay in the schedule.



PROJECT SPECS:

PROJECT COST
\$400,000

SQUARE FOOTAGE
1,800 SF

DESIGN COMPLETION
SEPTEMBER 2016

CONSTRUCTION COMPLETION
FEBRUARY 2017

SERVICES PROVIDED

ARCHITECTURE
CIVIL
ELECTRICAL
MECHANICAL
STRUCTURAL
PIPING
CONSTRUCTION MANAGEMENT

CLIENT CONTACT

ROBERT RUSH
CITY OF VIENNA
P) (304) 295- 4511
E) ROBRUSH@VIENNA-WV.COM

Pickering Associates was hired by the City of Vienna in West Virginia to design a new building addition to the existing Senior Center at 609 29th Street in Vienna, WV. The structure was one-story and approximately 30'x 60' in size.

It was attached to the existing building on the site by an enclosed connector between the buildings. The new design featured a metal building structure with metal siding on the back and sides of the building and a split-face block veneer on the front that were painted to match the existing building, a parapet roof on the shaft to match the existing roof, and a sloping metal deck roof to match the existing building canopies.

The program included one larger open space for activities, ADA compliant toilets and other upgrades, a utility room and a storage room. The adjacent open lot will be developed for parking by others. Construction consisted of split-face block walls

Pickering Associates also provided construction administration, cost estimates, and bid assistance.





WV ARMY NATIONAL GUARD

KENOVA SHOP VEHICLE EXHAUST

PROJECT SPECS:

PROJECT COST
\$130,000

SQUARE FOOTAGE
N/A

DESIGN COMPLETION
APRIL 2019

CONSTRUCTION COMPLETION
JANUARY 2020

SERVICES PROVIDED

MECHANICAL ENGINEERING
ELECTRICAL ENGINEERING
CONSTRUCTION MANAGEMENT
PROJECT MANAGEMENT

CLIENT CONTACT

DAVID UNRUE
PROJECT MANAGER
P) (304) 561-6775
E) DAVID.R.UNRUE.NFG@MAIL.MIL

Pickering Associates provided professional engineering services to The West Virginia Army National Guard for the renovations to an existing vehicle exhaust system in the field maintenance shop (FMS) at their Kenova facility. The renovations had to meet the HEMTT vehicle exhaust flow rate of 500 cubic feet per minute (CFM).

The scope of work included replacement of two existing engine exhaust fans with two new fans including two hose reels per system, for a total of four. Project included documentation of existing building, development of construction documents, preparation of probable construction cost, bidding, contracting and construction administration.





PAMELA WEAN, AIA

SENIOR PROJECT ARCHITECT
PROJECT MANAGER
BRANCH MANAGER

BACKGROUND:

EDUCATION

FAIRMONT STATE COLLEGE
B.S., ARCHITECTURAL TECHNOLOGY

FAIRMONT STATE COLLEGE
ASSOC. OF APPLIED SCIENCE - INTERIOR DESIGN

LICENSES

PROFESSIONAL ARCHITECT
W.VA. & OHIO

YEARS EXPERIENCE

35 YEARS

ALWAYS BE A FIRST-RATE
VERSION OF YOURSELF
INSTEAD OF A SEC-
OND-RATE VERSION OF
SOMEBODY ELSE.

Judy Garland

- Project Manager WVANG - Camp Dawson Building 215 Renovations - Doors and Windows
- Project Manager WVANG - Camp Dawson Rappel Tower Renovations
- Project Manager WVANG Camp Dawson - Cottage Renovations
- Project Architect for the design of renovations for the Lodge at North Bend State Park.
- Project Architect for renovations of the Historic Ritchie Courthouse in Harrisville, W.Va.
- Project Architect for the design and construction of the new Franklin Elementary School in Franklin, W.Va.
- Project Architect for the design and construction of the new East Fairmont Middle School in Fairmont, W.Va.
- Project Architect for the design of renovations at the Fairmont Senior High School in Fairmont, W.Va.
- Project Architect for the design and construction of the Marion County Board of Education Office in Fairmont, W.Va.
- Project Architect for the design of the addition to Armstrong Flooring in Beverly, W.Va.
- Project Architect for the design and construction of renovations to Immaculate Conception Church in Clarksburg, W.Va.
- Project Architect for the design and construction of the Star Furniture Store at University Town Center in Morgantown, W.Va.
- Project Architect for the design and construction for an addition and renovations at Simpson Elementary School in Bridgeport, W.Va.



JEFFREY HOSEK, P.E. LEED AP

MECHANICAL ENGINEER
LEED PROJECT ENGINEER
MECHANICAL ENGINEERING DEPARTMENT MANAGER

BACKGROUND:

EDUCATION

UNIVERSITY OF AKRON
B.S. MECHANICAL ENGINEERING

LICENSES

PROFESSIONAL ENGINEER
W.VA., OHIO, KY., PA., LA., VA., MINN.
LEED AP (BD&C)

YEARS EXPERIENCE

21 YEARS

- Project Manager for WVANG Kenova Shop Vehicle Exhaust
- Project Manager Eleanor Readiness Center HVAC Renovations
- LEED Commissioning Project Manager on a design/build project for Washington Electric Cooperative in Marietta, Ohio.
- LEED Commissioning Project Manager for Kent State University which included a complete renovation to the fine arts building.
- LEED Mechanical engineer for a new 500,000 square foot distribution center and administration building for Honda American Motors.
- LEED Project Manager for converting a downtown Columbus, Ohio fire station into a local family health center.
- Mechanical Engineer for a new FBI field office in Cleveland, Ohio.
- Mechanical engineer for a new two story annex to the Vienna Volunteer Fire Department in Vienna, West Virginia.
- Mechanical Engineer of record for the design of a new \$25M high-rise dormitory at Glenville State College, in Glenville, W.Va.
- Project Manager performing an intense study to assess redundant cooling to Ohio University's Computer Center in Athens, Ohio.
- Lead Mechanical Engineer for an area of the hospital to be leased by a Physical Therapy provider.
- Project Manager and Mechanical Engineer for a new medical office building for O'Bleness Hospital in Ath-

SOMETIMES THE QUESTIONS ARE COMPLICATED AND THE ANSWERS ARE SIMPLE.

Dr. Seuss



SPENCER KIMBLE, P.E.

CIVIL ENGINEERING DEPARTMENT MANAGER
PROJECT MANAGER
CIVIL ENGINEER

BACKGROUND:

EDUCATION

WEST VIRGINIA UNIVERSITY
B.S. CIVIL ENGINEERING

LICENSES

PROFESSIONAL ENGINEER
WV, OH

YEARS EXPERIENCE

13 YEARS

- Civil Engineer for approximately 3,925 linear foot water-line and meter replacement in Devola, OH.
- Project Manager and Civil Engineer for over 40 horizontal drilling locations throughout WV and Ohio.
- Construction manager for multiple oil and gas projects throughout Ohio and West Virginia.
- Civil Engineer for a new subdivision in Marietta, OH.
- Civil Engineer for a new retail business in Utica, OH.
- Civil Engineer for a new restaurant in Vienna, WV.
- Lead Civil Engineer for the design of \$1.8M physical therapy administrative building on Parkersburg, West Virginia.
- Civil Engineer for Phase 1 and 2 of the Larry Lang First Colony Development.
- Lead Civil Engineer for the design of two medical office buildings totaling approximately 30,000 SF near the traffic circle in Parkersburg, WV.
- Civil Engineer for two new \$8M full service maintenance facilities for state DOT operations.
- Lead Civil Engineer for construction of a new 4 story hotel in Parkersburg, WV.
- Civil Engineer for addition and renovation for the Emerson Public Library in Parkersburg, WV.
- Civil Engineer for addition and renovation for Mid Ohio Valley Technology Institute in Saint Marys, WV.
- Civil Engineer for addition and renovation for the Emerson Public Library in Parkersburg, WV.
- Civil Engineer for addition and renovation for Mid Ohio Valley Technology Institute in Saint Marys, WV.
- Civil Engineer for the addition of a new Chiller Plant to a hospital in Huntington, WV.
- Civil Engineer for the renovations to existing parking lots for a hospital in Parkersburg, WV.

A SHIP IN PORT IS SAFE,
BUT THAT IS NOT WHAT
SHIPS ARE FOR. SAIL OUT
TO SEA AND DO NEW
THINGS.

Rear Admiral Grace Hopper



CARL HENSON, P.E.

ELECTRICAL DEPARTMENT MANAGER
ELECTRICAL ENGINEER

BACKGROUND:

EDUCATION

NEW JERSEY INSTITUTE OF TECHNOLOGY

M.S. ELECTRICAL ENGINEERING

WEST VIRGINIA INSTITUTE OF TECHNOLOGY

B.S. ELECTRICAL ENGINEERING

LICENSES

PROFESSIONAL ENGINEER

W.VA., OHIO, PA., IN., LA.

YEARS EXPERIENCE

31 YEARS

- Electrical Engineer of record and lead designer of commercial power systems.
- Electrical Engineer of record and designer for fire alarm systems.
- Lead Electrical Engineer in designing high voltage (138-69kV) substations.
- Electrical Engineer for the design and installation of two new cooling towers on the main hospital and the installation of a redundant tower on the adjacent medical office building.
- Electrical Engineer of record for the South Pavilion Expansion at Marietta Memorial Hospital.
- Provided Electrical design of a new quality control laboratory with combined administrative facilities and adjacent firehouse for a local industrial client in Belpre, Ohio.
- Provided Electrical design for a new \$7MM medical office facility in Parkersburg, West Virginia.
- New \$20M Emergency Department Expansion with private acute care rooms connected with the hospital's North and South Tower.
- Program Manager for all Arc Flash studies done for various industrial companies throughout the Mid-Ohio Valley utilizing SKM software.
- Supervising Engineer for leading polymer manufacturing facilities in Belpre, Ohio for six years and Marietta, Ohio for eight years.

ONE MAN'S 'MAGIC' IS ANOTHER MAN'S ENGINEERING.

'SUPERNATURAL' IS A NULL WORD.

Robert A Heinlein



ERIC SMITH, P.E.

DEPARTMENT MANAGER
STRUCTURAL ENGINEER

BACKGROUND:

EDUCATION

MARSHALL UNIVERSITY
M.S. ENGINEERING MANAGEMENT
WEST VIRGINIA UNIVERSITY
B.S. CIVIL ENGINEERING

LICENSES

PROFESSIONAL ENGINEER
W.VA. & OHIO

YEARS EXPERIENCE

14 YEARS

- Structural Engineer on Eureka Hunter Pipeline, L.L.C. Low Water Crossing.
- Civil Engineer on several projects for the City of Marietta.
- Generated detailed engineering drawings, quantities, and material estimates for bridge replacements for various counties in Ohio.
- Reviewed drawing designed for The Point Commercial Park for Lawrence Economic Development Corporation.
- Reviewed structural drawings for a new addition of the Holzer Clinic and evaluated adequacy of the structural members and connections.
- Senior Project Manager and Structural Engineer of Record for Catwalk repairs at Ohio University in Athens, Ohio.
- Structural Engineer of Record for NESHAP improvements at Eramet Marietta, Inc.
- Structural Engineer of Record for the Ohio Department of Transportation Facility of Washington County, Ohio.
- City of Marietta City Hall Renovations, Marietta, Ohio.
- City of Marietta Wastewater Treatment Plant Renovations, Marietta, Ohio.
- Marietta City Armory Renovations, Marietta, Ohio.
- Bridge Project for Orion.
- General Projects for Local Industrial Plants.
- Roof and Elevator Project for Christ United Methodist Church Marietta, Ohio.

PERFECTION IS NOT ATTAINABLE, BUT IF WE CHASE PERFECTION WE CAN CATCH EXCELLENCE.

Vince Lombardi



DAVID BOGGS, P.E.

EXECUTIVE VICE PRESIDENT OF DESIGN
SENIOR MECHANICAL ENGINEER,
SENIOR PLUMBING ENGINEER

BACKGROUND:

EDUCATION

MARSHALL UNIVERSITY
M.S. ENGINEERING MANAGEMENT

VIRGINIA TECH.
B.S. MECHANICAL ENGINEERING

LICENSES

PROFESSIONAL ENGINEER
WV & OH

YEARS EXPERIENCE

23 YEARS

- Project Manager and Plumbing Engineer of record for the MEP services on a \$25MM high-rise dormitory in Glenville, W.Va.
- Project Manager and Plumbing Engineer of record for a dual boiler system replacement to a school in Parkersburg, W.Va.
- Project Manager and Plumbing Engineer of record for a potable water system repair in an elementary school in Vienna, W.Va.
- Project Manager for the conversion of a multi-unit HVAC system into a more efficient single unit system on a university campus in Parkersburg, W.Va.
- Project Manager and Lead Mechanical/Plumbing Engineer for multiple dormitory bathroom renovation projects at a college in Marietta, Ohio.
- Project Manager and Lead Mechanical Engineer for multiple projects at Ohio University in Athens, Ohio.
- Lead Mechanical/Plumbing Engineer of record for a new \$7MM medical office facility in Parkersburg, West Virginia.
- Lead Mechanical/Plumbing Engineer of record for a \$1MM medical/dental office facility in Parkersburg, West Virginia.
- Lead Mechanical/Plumbing Engineer of record on the design of a new science facility on a university campus in Vienna, W.Va.
- Lead Plumbing Engineer of record for a new 5,400 sq. ft. medical office building located in Belpre, Ohio.
- Lead Mechanical/Plumbing Engineer for a new medical facility located in Marietta, Ohio.

DETERMINE THAT THE
THING CAN AND SHALL
BE DONE, AND THEN WE
SHALL FIND THE WAY.

Abraham Lincoln



RONALD ARNOLD

SENIOR CONSTRUCTION ADMINISTRATOR
CONSTRUCTION ESTIMATOR

BACKGROUND:

YEARS EXPERIENCE

46 YEARS

DUTIES

PROJECT ADMINISTRATION

ARCHITECTURAL DESIGN

PROJECT ESTIMATING

CONSTRUCTION MANAGEMENT

REAL SUCCESS IS FINDING
YOUR LIFEWORK IN THE
WORK THAT YOU LOVE.

David McCullough

- Project Manager for the design and construction of a new annex for Fire Department in Vienna W.Va.
- Project Manager/Estimator for the Marietta Levee Seating and Monument Project.
- Project Manager for the construction of a new full service branch bank in Marietta, Ohio.
- Project Manager for the historical renovation of a four story 100 year old building on a college campus in Marietta, Ohio.
- Project Manager for the renovation of a two story 100 year old library in Marietta, Ohio.
- Project Manager for the construction of a 12,000 sq ft addition on a nursing home in Marietta, Ohio.
- Project Manager for the design and construction of a 4,500 sq ft addition on an athletic facility on a college campus in Marietta, Ohio.
- Project Manager for the design and construction of a multiple building apartment complex in Marietta, Ohio.
- Project Manager for the construction of a two new branch libraries in Washington County, Ohio.
- Project Manager for the construction of an addition to a long-standing funeral home in Belpre, Ohio.
- Project Manager for the construction of a Design-Build Office Addition on the warehouse roof at a Chemical Company in Marietta, Ohio.
- Project Manager for the construction of a new Applications Lab Addition for a Chemical Company in Marietta, Ohio.
- Project Manager for the construction of a new full service branch bank in Marietta, Ohio.
- Project Manager for the construction of a 12,000 sq ft addition on a nursing home in Marietta, Ohio.
- Project Manager for the design and construction of a 4,500 sq ft addition on an athletic facility on a college campus in Marietta, Ohio.



WILLIAM SHOWALTER, P.S.

SURVEYING DEPARTMENT MANAGER
PROFESSIONAL SURVEYOR

BACKGROUND:

EDUCATION

B.S., CIVIL ENGINEERING

LICENSES

PROFESSIONAL SURVEYOR
WV OH

YEARS EXPERIENCE

22 YEARS

- Lead Surveyor for Ohio University Steam Plant Line Expansion project.
- Lead Surveyor for City of Marietta Green Street Widening Project.
- Lead Surveyor for Ohio Department of Transportation, Monroe Full Service Maintenance Facility.
- Lead Surveyor for Ohio Department of Transportation, Washington Full Service Maintenance Facility.
- Lead Surveyor on City of Vienna Water Tanks Renovation Project, Vienna, W.Va.
- Lead Surveyor for Mid Ohio Valley Technology Institute renovation and addition project in Saint Marys, W.Va.
- Lead Surveyor on City of Vienna Water Tanks Renovation Project, Vienna, W.Va.
- Lead Surveyor for Broughton Commercial Properties Complex 1, 2 & 3 Development
- Lead Surveyor for Miller Addition to Devola
- Lead Surveyor for 1st Colony Center Addition to Marietta
- Lead Surveyor for Fairfield Inn Marietta
- Lead Surveyor for Comfort Suites Marietta
- Lead Surveyor for Wings Etc. Marietta
- Lead Surveyor for Tractor Supply Marietta
- Lead Surveyor for Holiday Inn Express Marietta
- Lead Surveyor for Starlight Park Addition to Marietta
- Lead Surveyor for Pleasants County Bank St. Marys Branch
- Lead Surveyor for New Dollar General Location Caldwell Ohio.
- Lead Surveyor for New Dollar General Location Little

WE ALL LIVE UNDER THE
SAME SKY, BUT WE DON'T
ALL HAVE THE SAME
HORIZON.

Konrad Adenaur



AE Dynamics

Education

Bachelor of Architectural Engineering (BAE), Structural Emphasis, 2000. The Pennsylvania State University

Registrations

- Alaska - [REDACTED]
- Arkansas - [REDACTED]
- California - [REDACTED]
- Colorado - [REDACTED]
- Connecticut - [REDACTED]
- Delaware - [REDACTED]
- Florida - [REDACTED]
- Georgia - [REDACTED]
- Hawaii - [REDACTED]
- Idaho - [REDACTED]
- Illinois - [REDACTED]
- Indiana - [REDACTED]
- Iowa - [REDACTED]
- Kansas - [REDACTED]
- Maine - [REDACTED]
- Maryland - [REDACTED]
- Massachusetts - [REDACTED]
- Mississippi - [REDACTED]
- Missouri - [REDACTED]
- Montana - [REDACTED]
- Nebraska - [REDACTED]
- Nevada - [REDACTED]
- New Jersey - [REDACTED]
- New Mexico - [REDACTED]
- New York - [REDACTED]
- North Carolina - [REDACTED]
- North Dakota - [REDACTED]
- Ohio - [REDACTED]
- Oklahoma - [REDACTED]
- Oregon - [REDACTED]
- Pennsylvania - [REDACTED]
- Rhode Island - [REDACTED]
- Tennessee - [REDACTED]
- Texas - [REDACTED]
- Utah - [REDACTED]
- Vermont - [REDACTED]
- Virginia - [REDACTED]
- Washington - [REDACTED]
- Washington D.C. - [REDACTED]
- Wisconsin - [REDACTED]
- West Virginia - [REDACTED]
- Wyoming - [REDACTED]

Affiliations

Structural Engineers Association of Montana - President for 2018-2020

Delegate to the National Council of Structural Engineers Association's Summit

American Institute of Steel Construction

American Concrete Institute

Grants, Honors, Awards

Engineer of Record for ACEC-MT Engineering Excellence Grand Project - 2011

Scott Higinbotham, PE

Co-Owner, Principal Structural Engineer

Specialties

- Anti-Terrorism Engineering
- Building Structures
- Façade System and Glazing Engineering
- Historic Preservations
- Seismic Evaluations & Retrofits



Experience

Scott Higinbotham is a founding principal of AE Dynamics, LLC. He is in charge of all aspects of the structural engineering work performed by the firm, and is manager of the Bozeman Montana office. Scott's passion for quality engineering and client focused services is evident in every project that AE Dynamics designs. With over 19 years of experience in the field of structural engineering and consulting, Scott has worked on structural engineering projects of all types and sizes, throughout the United States as well as abroad. As an ATFP engineering specialist, Scott has performed and supervised blast design engineering for over 125 jobs on over 70 military bases in both the United States and abroad.

REPRESENTATIVE ATFP DESIGN PROJECT EXPERIENCE:

- **P892/P964 SOF Operations – Naval Base Coronado (2019)**
Engineering of aluminum curtain wall assemblies
- **Building 10018 – Bradley Air National Guard Base (2019)**
Engineering of aluminum windows and doors
- **JTF Joint Trooper Clinic Renovation – Guantanamo Bay, Cuba (2019)**
Engineering of aluminum curtain wall assemblies
- **WVANG Building 215 – Camp Dawson (2019)**
Engineering of aluminum curtain wall assemblies
- **P-952 Training Center – Naval Base Coronado (2018)**
Engineering of storefront, curtain wall, and window units
- **P-889 & P-990 – NBC Coastal Campus, Coronado (2018)**
Engineering of aluminum glazing systems and vertical fin sunshades
- **Building 104 - Rock Island Arsenal (2017)**
Engineering of glazing system and anchorages for blast loading
- **P-919 SOF Supact Operations Facility #3– Naval Base Coronado (2017)**
Engineering of aluminum curtain wall assemblies
- **P-797 & P-893 – Naval Base Coronado (2016)**
Engineering of glazing systems for multiple buildings
- **EIR - Eglin Air Force Base (2016)**
Engineering of aluminum windows for blast loading
- **P-876 Indoor Dynamic Shooting Range – Naval Base Coronado (2015)**
Engineering of windows for blast loading
- **P-921 Unaccompanied Housing – Naval Base Coronado (2015)**
Engineering of windows for blast loading
- **Building P688 – Camp Lemonnier, Djibouti (2015)**
Engineering of windows for blast loading
- **VA Outpatient Clinic – Eugene, OR (2014 / 2015)**
Engineering of curtain wall for blast loading
- **Building 860 MCAS Beaufort – Beaufort, SC (2014)**
Engineering of windows for blast loading



REFERENCES



Polymer Alliance Zone
Davisville, WV

Keith Burdette, President
(P) (304) 428-1622
(E)



City of Marietta
Marietta, OH

Joseph Tucker, P.E., City Engineer
(P) (740) 373-5495
(E)



Mark Mondo- Building and Excavating, Inc.
City, Ohio

John H. Anderson, Project Manager, Business Development
(P) (740) 376-9396
(E) john@mondobuilding.com



Parkersburg and Wood County Public Library
Parkersburg, WV

Brian E. Raitz, Director
(P) (304)420-4587 ext. 501
(E) raitzb@park.lib.wv.us

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI ADJ2000000009

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

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

Addendum Numbers Received:

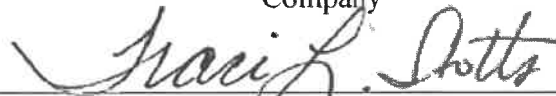
(Check the box next to each addendum received)

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

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

Pickering Associates

Company


Authorized Signature

May 5, 2020

Date


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

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.

Traci Stotts, VP Marketing
(Name, Title)
Traci Stotts, VP Marketing
(Printed Name and Title)
11283 Emerson Avenue; Parkersburg, WV 26104
(Address)
Phone Number: 304-464-5305 Fax Number: 304-464-4428
(Phone Number) / (Fax Number)
tstotts@pickeringusa.com
(email address)

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

Pickering Associates
(Company)

 VP of Marketing
(Authorized/Signature) (Representative Name, Title)

Traci L. Stotts, VP Marketing
(Printed Name and Title of Authorized Representative)

May 5, 2020
(Date)

Phone Number: 304-464-5305 Fax Number: 304-464-4428
(Phone Number) (Fax Number)

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

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

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

DEFINITIONS:

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

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

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

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

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Pickering Associates

Authorized Signature: *Traci A. Datto* Date: May 5, 2020

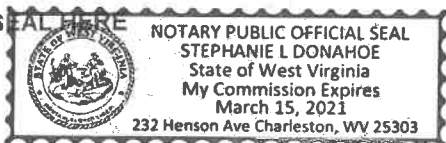
State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 5th day of May, 2020

My Commission expires March 15th, 2021.

AFFIX SEAL HERE



NOTARY PUBLIC

Stephanie L. Donahoe

Purchasing Affidavit (Revised 01/19/2018)