The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at ***wvOASIS.gov***. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at ***WVPurchasing.gov*** with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 1

List View

General Information | Contact | Default Values | Discount | Document Information | Clarification Request

Procurement Folder: 1274101
Procurement Type: Central Contract - Fixed Amt
Vendor ID: 000000205388
Legal Name: WILLIAMSON SHRIVER ARCHITECTS INC
Alias/DBA:
Total Bid: $0.00
Response Date: 11/14/2023
Response Time: 8:23
Responded By User ID: WSAOASISgmartin
First Name: Greg
Last Name: Martin
Email: gmartin@wsgarch.com
Phone: 3043451060

SO Doc Code: CEOI
SO Dept: 0211
SO Doc ID: GSD2400000002
Published Date: 11/7/23
Close Date: 11/14/23
Close Time: 13:30
Status: Closed
Solicitation Description: EOI: New Consolidated State Laboratory Facility Project
Total of Header Attachments: 1
Total of All Attachments: 1

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:	1274101
Solicitation Description:	EOI: New Consolidated State Laboratory Facility Project
Proc Type:	Central Contract - Fixed Amt

Solicitation Closes	Solicitation Response	Version
2023-11-14 13:30	SR 0211 ESR11142300000002331	1

VENDOR

000000205388
WILLIAMSON SHRIVER ARCHITECTS INC

Solicitation Number: CEOI 0211 GSD2400000002

Total Bid: 0 **Response Date:** 2023-11-14 **Response Time:** 08:23:21

Comments:

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

Vendor
Signature X **FEIN#** **DATE**

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

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	EOI: New Consolidated State Laboratory Facility Project				0.00

Comm Code	Manufacturer	Specification	Model #
81101508			

Commodity Line Comments: NO Bid Required, based upon Qualifications

Extended Description:

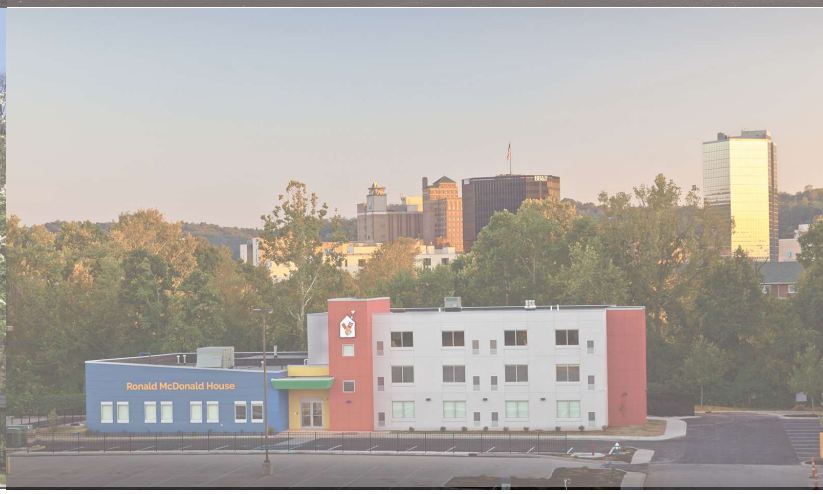
EOI: New Consolidated State Laboratory Facility Project

Statement of Qualifications

Architectural and Engineering Services for a

New Consolidated State Laboratory Facility

West Virginia Department of Administration



WSA

WILLIAMSON SHRIVER ARCHITECTS

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:	1274101		**Reason for Modification:**
Doc Description:	EOI: New Consolidated State Laboratory Facility Project		Addendum No.1
Proc Type:	Central Contract - Fixed Amt		
Date Issued	**Solicitation Closes**	**Solicitation No**	**Version**
2023-11-07	2023-11-14 13:30	CEOI 0211 GSD2400000002	2

BID RECEIVING LOCATION

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

VENDOR

Vendor Customer Code:

Vendor Name : **Williamson Shriver Architects, Inc.**

Address : **717**

Street : **Bigley Avenue**

City : **Charleston**

State : **WV** **Country :** **USA** **Zip :** **25302**

Principal Contact : **Greg Martin, President**

Vendor Contact Phone: **304-345-1060** **Extension:** **1**

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

Vendor Signature X  **FEIN#** 55-0655792 **DATE** 11/13/2023

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

November 13, 2023

Ms. Melissa Pettrey, Bid Clerk
Department of Administartion
Purchasing Division,
2019 Washington Street East
Charleston, WV 25305

RE: Architectural and Engineering Services for New Consolidated Laboratory Facility
for the West Virginia Department of Administration

Dear Ms. Pettrey:

Williamson Shriver Architects, Inc. was excited to learn of the Expression of Interest for Architectural and Engineering services for New Consolidated Laboratory Facility for the State of West Virginia. We are pleased to have an opportunity to submit our team's qualifications, experience, and other credentials for your consideration.

Williamson Shriver Architect's experience with designing and overseeing hundreds of new construction and renovation projects throughout West Virginia contributes to successful projects. Our firm has established practices in place to ensure that your project is completed on time and within budget. Our design, engineering, and construction administration talents have been proven over and over throughout our firm's thirty-five plus year history.

Please accept this letter as our team's Expression of Interest in serving as your design team for this exciting project. In addition to Williamson Shriver Architects, Inc., our proposed project team will include Terradon Corporation of Poca, WV (site, civil, survey and traffic studies design), Tower Engineering, of Pittsburgh, PA (HVAC, electrical, plumbing, and fire protection design) and Arrow Engineering, of Morgantown, WV (structural engineering design, analysis and restoration) for the design scope. Our firms have worked together successfully on many past projects throughout all regions of the state. We jointly have a strong understanding of design creativity, building systems and materials, constructability, and the economics of construction in the different regions of West Virginia. We invite you to review the attached Statement of Qualifications which describes in depth our team's capabilities, experience, and personnel and includes all the information delineated in your Expression of Interest.

We are excited about this project and are eager to be selected to work with the New Consolidated Laboratory Facility for the State of West Virginia. We look forward to a personal interview with your selection team during which we can present our credentials in greater detail.

We look forward to hearing from you soon.

WILLIAMSON SHRIVER ARCHITECTS, INC.

Greg Martin | AIA | NCARB
Architect | Principal | President

Williamson Shriver Architects, Inc.
717 Bigley Ave, Charleston, WV 25302
304-345-1060 voice 304-345-3693 fax
www.wsgarch.com

Contents

West Vrginina Department of Adminstration
Statement of Qualifications for Architectural / Engineering Design Services
A New Consolidated State Laboratory Facilty

Tab A
General Information

WilliamsonShriverArchitects

General Information

Firm Overview

Williamson Shriver Architects Inc. is an award-winning, multi-disciplinary design firm with business roots back to 1967. While specializing in educational and commercial planning and design, we provide design services to a diverse client base throughout West Virginia. With construction values exceeding one billion dollars over our history, the size and scale of our projects have ranged from detailed designs for small interior renovations to large multi-million dollar new facilities. Large or small, simple or complex, every project has our commitment to diligent, thoughtful design. Our functional and distinctive buildings reflect the vision of our clients and the spirit of our communities.

Experienced, capable, and responsive, we have a long tradition of excellence and client commitment. Simply put … we listen … and combine what we learn from listening with a clear understanding of technology, sustainability, and a wealth of experience. Every Williamson Shriver Architects design is a collaboration with the end user. Our finished projects work for people because they start with people. Through focus groups, individual interviews, and public meetings, we ask our clients to stretch their imagination and anticipate how they will use each space. The result of this process … flexible design solutions that respond to people and make the most of budgets.

> The Vision of our Clients and the Spirit of our Communities.

Commitment to quality, dedication to project and client, and a nearly fifty year tradition of innovation and architectural excellence... that's Williamson Shriver Architects. No matter what the program, site, or budget, we've been there and we have the experience and vision to shape your project into a success.

At Williamson Shriver Architects, we're listening.

Left: Back exterior facade of Chief Logan Lodge outdoor gathering area and balconies for the suites. The expansionof the suits was added to the existing Chief Logan Lodge in 2006

Above: The main enterence to Eastwood Elementary School in Morgantown, WV. This school was designed and achieved a LEED Gold rating in 2015

Legal Organization

Williamson Shriver Architects is a type S corporation licensed as a business by the WV Secretary of State and headquartered in Charleston, WV. Our firm qualifies as a Federal Small Business and has applied for such registration with the U.S. Small Business Administration.

In House Services

- Pre-Design & Planning
- Architecture
- Structural Engineering
- Interior Design
- Construction Procurement / Administration
- Cost Estimating
- Sustainable Design

Services through Partners

- Site and Civil Engineering
- Landscape Design
- Historic Review and Preservation
- Mechanical Engineering
- Electrical Engineering
- Lighting Design
- Technology and Security Design
- Audio / Visual Design
- Acoustical Design

General Information

An organizational chart showing numbers and types of key personnel that will be providing design and construction phase services for this project.

More detailed information for these key personnel may be found in Tab C.
Resumes for individuals in this chart may be found in Tab D.

Scope of Available Services

A general description of the services available.

Williamson Shriver Architects is a small firm but with a huge attitude of service to our clients. To assist our clients we offer the following design services listed as either basic or additional services. Services offered by outside consultants are indicated.

Pre-Design Services

- Existing Facilities Surveys
- Feasibility Studies
- Programmatic Specifications
- Site Analysis and Selection
- Zoning Processing Assistance
- Bond Issue Planning Assistance
- Educational Facility Planning

Architectural Design

- Building and Site Design
- Renovation / Restoration Design
- Roof System Renovation / Replacement
- Materials Research and Specifications
- ADA / Life Safety Research
- Budget Analysis
- Value Analysis
- Scheduling

Interior Design

- Space Planning
- Tenant Fit-up
- Furniture and Equipment Procurement
- Selection of Interior Finishes
- Color Coordination

Construction Procurement / Administration

- Preparation of Contract Documents
- Bidding / Negotiation
- Contract Administration
- Construction Observation
- Post-Occupany Services

Other Services

- Facilities Documentation utilizing Autodesk Revit or Autocad
- 3D Visualization Renderings
- Promotional Materials
- Graphic Design
- BIM (Building Information Modeling) Coordination

Consultant Services

(The following services are provided through the assistance of outside consulting firms:)

- Structural Design
- Mechanical / Electrical Engineering
- Fire Protection Design
- Landscaping Design
- Civil Engineering
- Stormwater Management
- Wastewater Treatment Plant Design
- Acoustical Design

At right:
South Charleston Fire Station No. 1 located in downtown South Charleston, West Virginia. This new building was a replacement of the existing Station No.1.

ARROW ENGINEERING

Residential | Commercial | Industrial

Arrow Engineering is a structural engineernig firm headquartered in Morgantown, WV. Serving clients in the *residential, commercial* and *industrial* markets.

Arrow Engineering delivers success to our clients with three promises we commit to in every project we undertake:

1. **Maintain exceptional knowledge of construction practices.**
2. **Deliver quality documents that are practical and detailed.**
3. **Pledge to rise above and beyond our clients' expectations.**

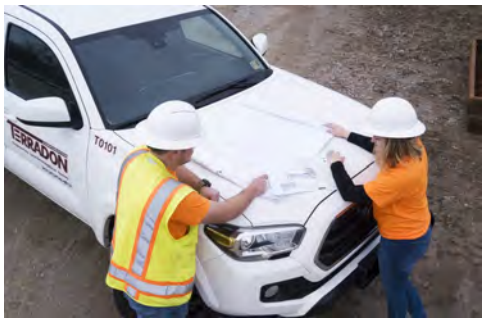
Arrow's founder and Presidenct, Michael Howell, PE SE has over two decades of industry experience as a structural engineer, civil engineer, and contractor. Arrow's team is prepared to bring that experience into every project.

We consider it a great honor to serve our clients.

info@arwcg.com www.arwcg.com Tel: 304.276.1296

Corporate Profile

TERRADON



FOUNDED: 1989

EMPLOYEES: 95

LOCATIONS:
Poca, WV
Lewisburg, WV
Fayetteville, WV
Clarksburg, WV

SERVICES:
Civil Engineering
Environmental Engineering
Environmental Inspection
Testing & Inspection
Construction Monitoring
Construction Administration
Geotechnical Engineering
Transportation Engineering
Structural Engineering
Cultural Resources
Archaeological Assessment
Geotechnical Engineering
Land Planning & Design
Survey & Mapping
Water & Utility Design

Certified WBENC Women's Business Enterprise

CERTIFIED Women Business Enterprise National Women Business Owners Corporation

TERRADON is the largest, woman-owned engineering firm in West Virginia and is a certified Women's Business Enterprise.

TERRADON Corporation offers a multi-faceted approach to design engineering and consulting services. For more than 30 years TERRADON staff has provided a wealth of engineering solutions blanketing West Virginia and surrounding states with successful projects. The company built its reputation on expert personnel and quality, time-sensitive service. Those same founding principles hold true today.

The firm has been recognized through numerous awards from professional organizations and agencies including the American Society of Civil Engineers, State Highway Departments, the Department of Environmental Protection and the American Institute of Architects.

TERRADON's diverse team of professionals work together on projects to offer a wide range of services in house to keep project centrally focused. By providing this range of services, TERRADON is able to work completely as a team to offer clients the most rewarding design.

TERRADON maintains professionally registered engineers, landscape architects, and surveyors as well as a competitive team of highly certified inspectors and environmental specialists.

TERRADON has experience working on projects funded by various agencies. Because of the variety of funding options for projects, TERRADON offers client support to help make funding projects easier.

TERRADON's corporate culture promotes innovation and progressive thinking. Project leaders strive to sustain customers through a wide-range of engineering offerings. TERRADON employees understand the purpose behind their services and work to cultivate lasting relationships with clients through honest, hard work.

Tower Engineering, Inc. Overview & Services

Tower Engineering, Inc. has been providing innovative mechanical, electrical, plumbing, and fire protection solutions since 1931. While Tower is a generalist firm, it primarily serves the K-12 and higher education, healthcare, senior living, hospitality and recreation sectors in both renovations and new construction. The firm's highly-trained staff of project managers, designers, and technical support personnel is capable of providing consulting services for every type of project - from a small, single-family residence to a high tech research facility incorporating redundant mechanical and electrical systems, DDC energy management and thermal storage. Our engineers utilize state-of-the-art software programs for the design of lighting, electrical power and mechanical systems. Lighting analysis includes point-by-point calculations, ESI analysis, exterior lighting analysis, and life cycle cost comparisons. Electrical power analysis includes fault current and load flow analysis.

Mechanical design and analysis services include energy economic analysis, thermal storage analysis, heating and cooling load calculations, refrigerant piping design, water system designs, along with BIM modeling. Our professional staff utilizes computer selection of air handling units, coils, pumps, terminal devices, fans, cooling towers, chillers, heat exchangers, kitchen hoods, hydronic and steam specialties, humidification equipment and heat recovery equipment. Sustainability principles are considered at every design point, and firm principals personally lead every project. The firm has 23 employees, including 8 Registered Professional Engineers and 8 LEED Approved Professionals.

Sustainable & Energy Efficient

- 8 LEED Professionals
- Over 30 LEED Projects
- Green Building Design
- Ecological & Resource Efficient
- Reduce Energy Consumption
- Building System Analysis
- Energy Audit

HVAC

- Heating and cooling system design
- Ventilation system design
- Building automation systems
- Control systems and energy monitoring
- Geothermal system analysis and design
- Heat recovery systems
- Kitchen and laboratory exhaust systems
- Smoke evacuation systems
- Computer room environmental control systems

Electrical

- Interior and exterior lighting design and studies
- Lighting controls
- Primary Security systems
- Fire detection and alarm systems
- Computer data and power systems
- Uninterruptible power supply systems
- Reinforced and masking sound systems
- Lightning protection systems
- Fault current studies
- System over-current protection coordination
- Primary and secondary voltage power distribution systems

Plumbing

- Water resource efficiency analysis
- Sanitary drainage systems
- Storm water management
- Domestic water systems
- Waste water treatment systems
- Hospital and laboratory piping systems
- Fuel oil piping systems
- Irrigation systems

Fire Protection

- Standpipe and sprinkler systems
- Fire protection systems

Commissioning

- New Construction Commissioning
- Renovation Commissioning
- Retro-commissioning
- Recommissioning
- Value Recommissioning

Technology

- Voice communication systems
- Data network systems
- Audio/Visual Systems
- Surveillance
- Access Control
- Emergency Notification Systems
- Digital Signage
- And much much more

TOWER ENGINEERING, INC.
115 Evergreen Heights Drive, Suite 400, Pittsburgh, Pennsylvania 15229 | 412-931-8888 | Fax 412 939-2525 | www.estower.com

Tab B

Qualification and Approach

WilliamsonShriverArchitects

Project Approach & Understanding

Project Approach

As Fully Describe in this Statment of Qualifications, Williamson Shriver Architects has a variety of projects fully constructed with similar size and design requirments to the project by the West Virginia Department of Administration.

The Success of those projects are not by accident. It is said, good deisgn comes from good listening. You are not hiring an architect to "tell you how to deisgn and build your building" Rather you are hiring an architect to compose a deisgn by synthesizing the specific needs, activities, skills, and limitations of the departments personel , and site into a holistic and responsive design. Williamson Shriver Architects continually stresses the importance of involving the building users throughout the design process and facilitating their input into a final program and design solution

This planning process starts with the schematic "big picture" design concepts and continues all the way to small details including interior design and furniture selection. We utilize a variety of methods in this process to make the design intent more understable to lay-person committee members. These include presentations, design charrettes, interior and exterior 3D concepts modeling, digital walkthroughs and general discussions and feedback.

We firmly believe that our track record of these successful projects is directly attributable to this inclusive and interactive process with our clients.

Williamson Shriver Architects has reviewed the scope of work provided for the West Virginia Department of Administration. We understand the scope of work is funded by the State of West Virginia as follows:

• Provide full design services which include site/civil, architectural, structural, mechanical, electrical, plumbing and interior design and construction administration for A New Consolidated State Laboratory Facility to be located at the WV Regional Technology Park in South Charleston, WV.

• The newbuilding will be approxamitly 300,000 square foot and include Multiple laboratory and Training spaces with logistical appurtenances for a variety of West Virginia State entities.

Project Leadership

Williamson Shriver Architects is a mid-sized firm but with a small-firm attitude of service to our clients. Owners Greg Martin and Jason Shantie, are actively involved in all aspects of all the firm's projects from concept to completion. To ensure consistency of quality design, all planning and design concepts originate under the direct supervision of the owners.

On this project, Greg Martin will be the Architect of Record and will directly oversee all design activities as well as be the main point of contact with the Owner. Directly under Mr. Martins leadership, Dana Scarberry will serve as Project Manager, and will be assigned with the responsibility to produce documents and specifications based upon the design as well as to coordinate all team member activities and contributions to the project.

At right: Exterior view of Williamson Shriver Architects office which was an adaptive re-use and complete renovation of an empty, non-descript commercial structure on Charleston's West Side completed in 2001.

Project Approach & Understanding
Continued

For site/civil, mechanical/electrical, and structural engineering services on this project, Williamson Shriver Architects will team with three consulting firms specifically selected to provide the most comprehensive, highest quality specialty services relating to this project.

• Terradon Corporation, of Nitro WV, specializing in site / civil engineering and utilities design consulting services.

• Tower Engineering, a Pittsburgh PA consulting engineering firm who will provide HVAC, electrical, plumbing and fire protection design services.

• Arrow Engineering, a Morgantown, WV consulting engineering firm that specializes in structural design services.

Design Schedule

A master project schedule will be prepared to reflect all of the work tasks for the project organized by design phase and showing timelines and milestone dates for all tasks. We will also show the organization/individual responsible for the task. It will be organized as a horizontal bar chart. The schedule will be tested at critical intervals and measures taken to assure the schedule is maintained. Work efforts are tested against progress so that potential conflicts and delays can be detected quickly and appropriate action taken immediately to preserve scheduled milestones.

Sustainable Design

Multiple members of Williamson Shriver Architects team are LEED Accredited Professionals with experience in a number of LEED Certified facilities, including Spring Mills Primary School, West Virginia's first newly constructed LEED Gold Building. Eastwood Elementary School has also received LEED Gold certification with our third project, Gilmer County Elementery School recieving LEED Silver certification in 2020. However, whether or not LEED Certification is being sought, we believe that architects, engineers, designers have a duty to provide services in a sustainable manner - selecting materials and systems with respect to their impact upon environment as well as to minimize energy usage costs for our clients. Our team commits to bring this attitude to all aspects of this project.

We continually stress the importance of involving the building users in the design process and facilitating their input...

Schematic Phase

Based upon the approved program, the design team will begin to develop conceptual design studies to translate the program into design concepts as well as indicating the scale and relationship of spaces. We will also begin the process to investigate appropriate mechanical, electrical, and other relevant systems. Several schematic studies may be presented for review and staff/owner comments along with cost estimates for selected schemes. We will mutually narrow down the schemes to one which is most closely compatible with the final established program which will then be developed into final schematic documents. A cost estimate for this proposed scheme will be finalized, and the entire package submitted to the owner for approval.

Design Development Phase

Once the schematic documents are approved by the Owner, the design team will progress to the design development phase of the project. The Design Development Phase documents advance the approved schematic design by illustrating and describing the architectural, structural, mechanical, and electrical components and systems, and other elements through the use of plans, sections, elevations, typical construction details, and diagrammatic layouts

Project Approach & Understanding
Continued

of the building systems as well as other documents to fix and describe the size and character of the project. Important details of construction will be shown, any necessary selective demolition and alterations will be indicated, interior design elements including furnishings and equipment will be conceptually defined, construction materials will be generally selected, and the building systems will be outlined and integrated with the building structure and architecture. Outline specifications will be written and all building performance specifications will be updated. A cost estimate will be prepared reflecting the work described in the Design Development documents along with appropriate strategies to deal with any cost issues which may arise. The completed Design Development document package will be submitted to the Owner and authorities having jurisdiction for review and approval.

Construction Documents Phase

Upon approval of the Design Development Phase drawings, the project team will prepare closely coordinated construction drawings and final specifications detailing the quality levels for materials and systems needed for bidding and construction. The design team will also incorporate into the Construction Documents the design requirements of authorities having jurisdiction over the project, including but not limited to the Americans with Disabilities Act, applicable state and local building codes, ordinances, and standards, and any standards provided by the Owner. To enhance the coordination effort between the disciplines, all team members will utilize AutoDesk Revit Building Information Modeling software in the preparation of these documents.

The work of this phase will include furthering the interior design concepts previously developed by selecting material colors and patterns for inclusion into the project. Additionally, furnishings and equipment appropriate to the function and quality of the proposed design will be selected. The design team will meet as needed with the Owner to gain input regarding these interior design elements.

The design team will confer with the Owner to develop and prepare bidding and procurement information, the contract for construction, as well as the conditions of the contract for construction. All of these documents will be contained within the final Project Manual to be released to potential contractors.

The project cost estimate will be updated reflecting the work described in the Construction Documents along with appropriate strategies to deal with any cost issues which may arise. The completed Construction Documents package will be submitted to the Owner and authorities having jurisdiction for review and approval.

Bidding Phase

Williamson Shriver Architects will assist the Owner as necessary in the advertising of the project for bidding. To further competitive bidding, we will actively market the project to contractors known to specialize in work consistent with the project scope. We will assist the Owner as needed in conducting the bid opening. On behalf of the Owner, we will evaluate the bids received and delineate any options for award, and provide our recommendation as to the award for a contract for construction that is in the best interest of the Owner.

Contract Administration Phase

The construction phase may be a small portion of an architect's

Project Approach & Understanding
Continued

fee, but this phase plays a large role in our success. After the commencement of construction, Jason Shantie will take the lead during the construction process. Mr. Shantie has 11+years experience as a contract administrator with Williamson Shriver Architects on all project types. As such, he is well known and respected by many commercial contractors around West Virginia. During this phase, he will be assisted by numerous members of the design team who will continue their roles from the design phases.

Member(s) of the project team will be present on the project site at two-week intervals, will attend all construction progress meetings, will become generally familiar with the progress and quality of the work completed, and will determine in general that the work is being completed in accordance with the Contract Documents. On behalf of the Owner, we will reject any work not conforming with the Contract Documents.

In between site visits, Mr. Shantie, with assistance of project team members will review and take action on contractor submittals, process change orders and payment requests, issue field memos and clarifications as needed, prepare punch lists, and certify completion of the project.

Post-Construction

Williamson Shriver Architects team will not walk away from a project at final completion. Rather, we continue to assist our clients with warrantee issues which may arise after completion. We will also conduct an eleven month walkthrough to observe any other warrantee issues, and also will conduct an interview with a committee of the Owner's staff and building users. This feedback will allow the project team to evaluate the performance of the final design, to determine whether the design adequately meets the Owner's needs, and gives our team members valuable input helping us to improve our knowledge for services on future projects.

Even after the expiration of the twelve month warrantee period, Williamson Shriver Architects continues to service clients on our completed projects. Time and again throughout our firm's history, we have assisted Owners of our completed projects years after occupancy on issues relating to the function of building components and systems. Never once have we invoiced for these services.

Quality Control

Cost Control

It is vitally important that the project budget, program and outcome expectations are compatible from the outset. Once the initial project budget and project scope is established and agreed upon, all future cost estimates and design decisions will be measured against that budget and program. As indicated herein, further cost evaluation will be performed at the completion of schematic and design development drawings, and at 75% completion of contract drawings. Between formal estimates, the design team is constantly evaluating design and materials/specification alternatives in an on-going effort to achieve the project goals in a cost effective manner and to maximize the value of the funds available for the project.

Design Technology

All of our major consultants use Autodesk Revit, a Building Information Modeling (BIM) software product. As a result, BIM will be utilized throughout the design process. Well beyond traditional drafting software, BIM is a more holistic approach to building design and culminates in an electronic 3-dimensional model of the building and contains 'intelligent' components. This product is not only a valuable production tool for the design team, but

Project Approach & Understanding
Continued

also offers several benefits to the Owner. For example, it's 'clash detection' capabilities offer better technical control of the coordination between work of multiple disciplines, reducing the number of potential change orders during construction. The software also allows for enhanced clarity of contract documents, and provides a potential facilities management benefit for clients through the manipulation of the intelligent components contained within the model. Williamson Shriver Architects was among the first architectural firms in West Virginia to routinely utilize BIM software on our projects.

Quality Management
Williamson Shriver Architects is proud of our success rate for meeting tight project budgets with a low incidence of construction change orders. We believe that this success stems largely from the retention rate of our long-term staff and selection of consultants that are highly specialized in the type of project being designed.

We have several peer review steps in place to review Construction Documents prior to letting them out for bidding. These include a design partner coordination review, review by the Construction Administrator who has jobsite experience, and involvement of nearly all of our production staff in the preparation of technical specifications … whether or not they are otherwise working on the project … to assure that the documents are reviewed by a "fresh set of eyes". All of these steps taken together, eliminate most design errors before they make it out of our office.

As products and product applications are constantly changing, our staff and consultants are continually updated on new materials and methods of construction through both internal and outside seminars and programs.

Lastly, utilization of Building Information Modeling (BIM) software greatly reduces the potential for design errors. This is due in part

At left: LEED Silver Certified Gilmer County Elementary School in Glenville, WV featuring energy efficient Insulated Concrete Form (ICF) wall systems, white EPDMroofing and located on a Brownfield Reclamation site. Gilmer County Elementary School is Williamson Shriver Architects' third LEED school project.

Tab C
Team Organization

WilliamsonShriverArchitects

Personnel Experience

1 A list of all key personnel that will be assigned to this project and describe the roll each will play

2 A list key persons that will be assigned to this project that are Licensed Architects, Construction Administrators, LEED AP's per the U.S. Green Building Council, and who are experienced in the use of Building Information Modelling software.

3 A list any proposed consultants, including key staff names and the experience and qualifications of these individuals or firms.

Name	Project Role	Years with Firm	Registration	CA Exp.	LEED Status	BIM Exp.
Greg Martin	Architect / Q.C / President	14	Arch-WV	F/O		4
Jason Shantie	Contr. Admin. / Vice Pres.	3	N/A	F/O		1
Dana Scarberry	Project Manager	32	N/A	O		4
Cliff Kay	Drafter / Production	1	N/A	O		2
Steve Gibson	Contract Adminstator	37	N/A	F/O		1
Catherine Wallace	Administrative Assistant	3	N/A	O		1
Mike Howell	Structural Engineer	5	P.E.- WV	F/O		4
Ashbee Sykes	Structural Engineer	1	P.E.- WV	F/O		4
Phillip Bailey	Structural Engineer	3	P.E.- WV	F/O		4
Greg Fox	VP - Land Development	22	L.A.- WV	F/O		1
Kristen McClung	Civil Engineer / Utilities	21	P.E.- WV	F/O		1
Shawn Gray	Site Design / Land Planning	13	L.A.- WV	O		1
Jim Kosinski	MEP Engineer-of-Record	34	P.E.- WV	O		1
Steffanie Bako	Electrical Design	21	P.E.- WV	O		1
Mike Plummer	Plumming Design	22	P.E.- PA	O		1

See Organization Chart in Tab A for more information regarding division of personnel among team member firms. Resumes for these key persons can be found in Tab D.

Legend (CA Experience)
F Field CA Experience
O Office CA Experience

Legend (LEED Status)
AP Accredited Professional
AP BDC Accredited Professional with Building Design and Construction Certification
LEED Leadership in Energy and Environmental Design

Legend (BIM Experience)
1 Not Applicable to Position
2 Some Usage
3 Moderate Usage (Proficient)
4 Significant Usage (Expert)

Tab D
Project Staffing

WilliamsonShriverArchitects

Greg Martin

AIA / NCARB
Architect / President

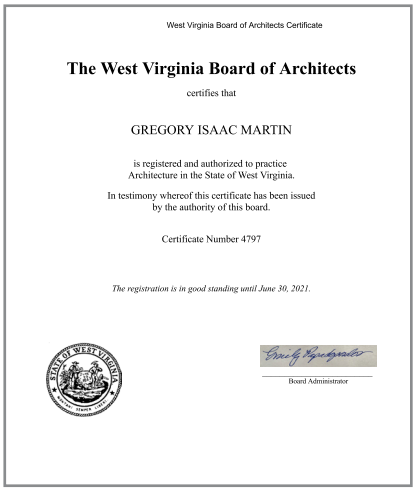
Greg Martin received his Masters of Architecture Degree from Virginia Polytechnic Institute and State University in 2008 after graduating from Fairmont State University in 2005. In the fall of 2008, he joined Williamson Shriver Architects as a project manager overseeing small renovation and additions projects. In January 2016 he successfully concluded his Architectural Registration Examination and became licensed to practice architecture in WV. As his experience grew, his responsibilities with the firm increased.

In January 2021, Mr Martin stepped into the role of Principal with the firm while maintaining his roles of Project Architect / Project Manager.
As Project Architect, he specializes in building design and production / coordination of construction documents for projects of all types and sizes.

Mr Martin's project portfolio with Williamson Shriver Architects is constantly growing with project ranging in size and scope such as additions and renovations, roof replacements, HVAC replacement and new constructions.

A few highlights include the LEED Silver Certified Gilmer County Elementary School, Ridgedale Elementary School Renovations, Leading Creek Elementary School, the Ronald McDonald House in Charleston, Charleston Fire Station No. 3 which re-opened to active duty August of 2018 and the South Charleston Fire Station #5 set to open in spring of 2022.

In addition to his professional career, Mr. Martin enjoys dabbling with wood working and other forms of construction.



West Virginia Board of Architects Certificate

The West Virginia Board of Architects

certifies that

GREGORY ISAAC MARTIN

is registered and authorized to practice
Architecture in the State of West Virginia.

In testimony whereof this certificate has been issued
by the authority of this board.

Certificate Number 4797

The registration is in good standing until June 30, 2021.

Board Administrator

Education:
Virginia Polytechnic Inst. & State Univ.
Master of Architecture - 2008
Fairmont State University
B. S. - Architectural Eng Tech - 2005

Registration:
Architect, WV (4797)
NCARB Certified (84164)

Previous Employment:
Marks-Thomas Architects
2008
Thomas Koontz Architect , P.C.
2006 (Summer Intern)
WYK Associates, Inc.
2003-2005 (Summer Intern)

Affiliations:
American Institute of Architects
AIA Member
American Institute of Architects WV Chapter
Executive Committee Board Member
2021 - Present
Fairmont State University - PAC
Professional Accreditation Committee for the Architecture Program
2019 - Present

Jason J. Shantie

Contract Administrator / Vice President

With over ten years of experience working on multi-million dollar projects from a West Virginia base Construction Company. Mr. Shantie will bring his experience, insight and skills to our team on all aspects of our projects. His portfolio consists of over $100 million worth of projects of various sizes and scopes. He has been involved in every accept of constructions project from takeoff's, estimating/conceptual estimating, bidding, buyout, contracts, submittals, RFI's, Change Order's, forecasting, budgeting, and project closeout.
He will be involved during the design phases of projects to provide construction estimates, constructibility reviews, and project schedules.

When a project begins the construction phase, Mr. Shantie will take on the role of Contract Administrator and perform duties both in the field and in office. While on the field, he will observe projects to confirm they are constructed correctly and be the point of communication between the owner and the contractor. While in the office his duties will include shop drawing review, payment applications review and project management.

In January 2021, Mr. Shantie became a Principal with the firm while maintaining his role of Contract Administrator.

Education:
Everglades University, 2013
B.S. Construction Management
West Virginia University
Institute of Technology, 2008
A.S. Building Construction Technology

Certifications:
OSHA 10 Certification

Previous Employment:
Maynard C. Smith Construction Co.
2009 - 2020
Commercial Casework Solutions
2008- 2009

Dana W. Scarberry

Project Manager

A longtime employee of Williamson Shriver Architects, Mr. Scarberry has spent his adult lifetime in working in the architecture and building design industry, joining Williamson Shriver Architects in 1990. In this time, he has amassed considerable and invaluable knowledge and experience regarding building design, systems, and detailing. He serves as our senior Project Manager, advancing the design prepared by the partners into a complete and coordinated set of construction documents. As part of this process, he brings his extensive knowledge of building codes and standards, coordination of consultants providing site, electrical and mechanical systems design, and preparation of building system specifications.

Mr. Scarberry also has considerable experience in roofing design. Over the course of his career he has designed millions of square feet of roofing and roofing replacement. He also serves as Williamson Shriver's in-house coordinator of door hardware and kitchen equipment design.

Previous Employment:
Hoblitzell, Daley & McIntyre Architects
1978 - 1990
Walt S. Donat – Architect
1975 – 1978

Affiliations:
American Institute of Architects
AIA-WV Chapter - Associated Member

Experienced in:
Document Assembly and Production
Door Hardware Design
Kitchen Equipment Layout and Design
Roofing Systems Technology & Design

Clifford Kay

Drafter / Production Staff

Clifford Kay received his associates of applied sciences (AAS) in drafting from West Virginia University at Parkersburg in the spring of 2021. He has since joined Williamson Shriver Architects as a Drafter and production staff. With his years of managing fast food chains and other businesses he aspires to become a team lead/project manager in the future.

In his off time from his professional career, he enjoys renovating homes, learning new skills, and doing various forms of exercising.

Education

West Virginia University - Parkersburg
A.A.S. Drafting and Design - 2021
Roane-Jackson Technical Center
Certified in Drafting - 2017

Certifications:

ADDA - 2021

Steven W. Gibson

AIA Associate
Contract Administrator

Steve Gibson is responsible for contract document administration and field observation during the construction phase of a project. His duties include shop drawing review, attending construction conferences, compiling construction observation reports, and serving as liaison between owner and contractor.

Prior to joining the staff in 1985, Mr. Gibson's experience was primarily in the engineering fields. He has participated in the design, project management and construction of numerous industrial, commercial, public housing and public works facilities since 1970.

Mr. Gibson has also worked for a large local construction firm as an estimator. This employment allows him to bring a unique knowledge and understanding of the contractors' perspective toward construction projects to the firm.

Education:
West Virginia State College, 1971
B.S. Industrial Technology

Previous Employment:
Carlton Construction Company
1984 - 1985
Randolph Engineering
1977- 1984
Swindell-Dressler Engineering
1974 - 1977
JH Milam Engineering
1969 - 1974

Catherine M. Wallace

Administrative Assistant

Catherine will serve as an administrative assistant for Williamson Shriver Architects. She has worked in various capacities for architecture firms and financial institutions over the past 25 years and will apply that experience and knowledge to the team. Her project based responsibilities include, but are not limited to, development of contracts / agreements, project manual assembly, specifications, assistance with the bidding process, processing of bonds and insurance, construction cost monitoring, construction phase submittals, applications for payment processing and project closeout documentation.

As construction phase submittals manager, she maintains the electronic submittals log, assuring that action by staff and consultants is taken as expeditiously as possible.

In addition to these project based responsibilities, she will assist with change orders and requests for information. She will also help the firm research and select future projects.

Education:
University of Georgia 1994
BFA, Interior Design
Parkersburg High School 1989

Previous Employment:
Aric Margolis Architecture
2015 - 2019
United Bank
2014 - 2015
FNB Private Banking
2003 - 2005

Michael Howell, PE SE

President, Arrow Structural Engineering

Michael Howell is a structural engineer with more than 20 years in the construction industry. He has worked in many areas of the construction and engineering industry including as a contractor and civil engineer. Mike's experience includes residential, commercial, and industrial projects of all sizes throughout the United States an across the world. He brings a straightforward and practical approach to projects that saves time and money for Arrow's clients.

EDUCATION

UNIVERSITY OF PITTSBURGH
BS CIVIL ENGINEERING

WEST VIRGINIA UNIVERSITY:
MASTER BUSINESS ADMINISTRATION

PROFESSIONAL ENGINEER LICENSURE

WV, VA, PA, IN, LA, CA, TN, MD, KY, NJ, OH

ARROW
STRUCTURAL ENGINEERING

Affiliations:

Spark! Imagination and Science Center (*Former President*)
Bartlett House
BNI International
Habitat for Humanity
American Society of Civil Engineers

Engineer of Record Projects:

Blaney House Renovations	*Morgantown, WV*
Grow West Expansion Phase II	*Cumberland, MD*
Parkersburg Children's Museum	*Parkersburg, WV*
Sweet Springs Resort Bathhouse Restoration	*Sweet Springs, WV*
Mon General Community Hospital	*Fairmont, WV*

Mike@arwcg.com
www.linkedin.com/company/arwcg
www.arwcg.com
Morgantown, WV
Facebook.com/arrowstructuralengineering

R. Ashbee Sykes, PE

Project Engineer, Arrow Structural Engineering

Ashbee Sykes is a Structural Project Engineer for Arrow Engineering that has worked in a variety of roles in the construction industry. He has experience in many facets of the industry from framing houses to planning and engineering on multimillion dollar infrastructure projects in his subsequent work. He understand the hard work that goes into construction projects and the impact design decisions may have. His practical experience is a valuable asset for Arrow's clients.

EDUCATION

WEST VIRGINIA UNIVERSTIY
BS MECHANICAL ENG.
MASTERS AEROSPACE ENG.

THE CITADEL
GRADUATE CERTIFICATE
STRUCTURAL ENGINEERING

PROFESSIONAL ENGINEER LICENSURE

WV, VA, PA, NC

ARROW
STRUCTURAL ENGINEERING

Affiliations:

American Society of Civil Engineers
Structural Engineering Ins

Engineer of Record Projects:

Liberty Village	*Charleston, WV*
Wise Path Recovery Center	*Mount Morris, PA*
300 South Campus Drive	*Imperial, PA*
Opequon-Hedesville WWTP Upgrades	*Martinsburg, WV*
Sutherland Residence	*Morgantown, WV*
Uhlinger Residence	*Snowshoe, WV*

Ashbee@arwcg.com **www.linkedin.com/company/arwcg** **www.arwcg.com**
Morgantown, WV **Facebook.com/arrowstructuralengineering**

Phillip D. Bailey, EI

Junior Engineer, Arrow Structural Engineering

Phillip Bailey is a Junior Structural Engineer at Arrow Engineering. He has experience working in large-scale construction while working on West Virginia University's Women and Children's Hospital as an Assistant Project Manager for nearly two years prior to his graduation from West Virginia University. His experience in construction and advanced knowledge of structural engineering analysis software programs has brought great value for Arrow's clients.

EDUCATION

WEST VIRGINIA UNIVERSTIY
BS CIVIL ENGINEERING

ARROW
STRUCTURAL ENGINEERING

Affiliations:

Chi Epsilon - Former Marshall of WVU Chapter
Young Life - Youth Ministry Leader

Engineer of Record Projects:

Morgantown Christian Academy	*Morgantown, WV*
Parkersburg Children's Museum	*Parkersburg, WV*
Birchwood Power Station Demolition	*King George, VA*
Fairmont United Methodist Renovation	*Fairmont, WV*
Crown Jeep Dealership & Service Center	*Washington, PA*

Phillip@arwcg.com **www.linkedin.com/company/arwcg** **www.arwcg.com**
Morgantown, WV **Facebook.com/arrowstructuralengineering**

GREG FOX, ASLA, LEED AP

VP Land Development

TERRADON

Greg Fox oversees TERRADON's Land Development Sector. Fox has been responsible for hundreds of notable commercial, educational and recreational site development projects during his 28 year career. During his time as Land Development Department Head, TERRADON has earned Engineering Excellence Awards from the West Virginia Association of Consulting Engineers, numerous Merit Awards from the American Society of Landscape Architects, and the Gold Award from the American Council of Engineering Companies. Fox has performed a number of site selection and analysis services on projects over the last 30 years.

Project Experience

The Summit Bechtel Family National Scout Reserve, Fayette County, WV

Provide Site Selection and Design for the 10,600+ acre site in Fayette County, WV. Responsible for site prioritization and selection criteria, feasibility studies, cost analysis, site grading, construction drawings, NPDES design and coordination for all project sub-consultants for NPDES permitting with WVDEP.

Advanced Technology Centers, WV

Provided site design services for two West Virginia Higher Education Policy commission Advanced Technology Centers located in Fairmont, WV and South Charleston, WV. Responsibilities included site identification, prioritization, evaluation, ranking matrix's, site record data, feasibility studies, and final site suggestions. Additionally provided grading, erosion and sediment control and utility design.

Steel Dynamics, Cabell & Mason County, WV

TERRADON was approached by the West Virginia Development office to provide site selection and evaluation services of a large industrial site for a prospective large scale industrial tenant in Cabell and Mason counties. To select and prioritize possible site options, TERRADON worked with WVEDO, Mason County Development Authority, and AEP to visit and review potential sites across the two counties. TERRADON evaluated multiple sites before ultimately suggesting a selected 550 acre site that had an additional 800 acre adjacent lot available for additional development. TERRADON services expanded from site selection and prioritization to survey, site planning, and design work for the prospective site tenant.

K-12 Educational Facilities, WV

Responsible for Master Planning, Site Layout and Design, Schematic Renderings, Parcel Identification, Feasibility and Cost Analysis, and construction drawings for hundreds of k-12 educational facilities throughout West Virginia. Additionally, Fox has provided site selection services on new school projects or relocation of school facilities throughout West Virginia. Projects include new construction as well as renovations and additions.

Marshall University, Huntington, WV

Responsible for Site Design, Utility Design, Grading and Drainage for Applied Sciences Building, Student Housing, Wellness Center and Parking Garage. Provided ADA compliancy on campus buildings and site design for existing soccer field.

Education

B.A. Landscape Architecture
West Virginia University

B.A. Geography & Planning
West Virginia University

Certifications

Registered Professional Landscape Architect: WV

LEED Accredited Professional

Total Years Experience

+30

KRISTEN MCCLUNG, PE, MBA

Senior Civil Engineer

Kristen Stinson McClung serves as a Civil-Site Engineer for TERRADON Corporation and is based in the Lewisburg, WV office. She brings nearly 20 years of engineering practice to public and private sector clients. From conception through acceptance of projects, McClung offers experience in civil, environmental, land development, streetscapes, survey, permitting, water, wastewater, paving, storm drainage, transportation and erosion-sedimentation control.

Project Experience

Tanyard Station Sanitary Sewer Design, Village of Barboursville, WV
McClung performed the Sanitary Sewer for this new commercial, out-door shopping mall. She performed the sanitary sewer calculations for the sizing of the trunk line through the development; for the new sewer pump station within the development for that area of the development that was too low for the primary gravity system; and for the new pumps associated with the Village's existing Pump Station #4. As part of the proposed development, the existing forcemain for Pump Station #4 had to be re-routed into the development's new sanitary sewer trunk line, resulting a new pump curve for the existing station.

Schoenbaum Tennis Court Asphalt & Storm Drainage Repairs, Charleston, WV
McClung designed a new storm drainage underdrain system for the existing tennis courts. The courts were experiencing weeping from beneath the courts of trapped storm water runoff/ground water. As the existing courts were nearing the end the existing asphalt surface course's useful life, the Parks and Recreation Department decided that this was the appropriate time to install the needed underdrain system and re-surface the course, as the new underdrain system would require the demolition of the existing asphalt surface course. McClung, also developed the Contract Documents and Construction Specifications in coordination with the City of Charleston for the public bidding of this project.

The Greenbrier Sporting Club Driveway Drainage Projects, White Sulphur Springs, WV
McClung was brought in to evaluate various private homes' driveways which were experiencing surface water runoff ponding issues from incorrectly graded driveways and non-functioning/undersized storm drainage systems. McClung developed new driveway grading plans and new stormdrainage collection and conveyance systems to alleviate the stormwater runoff ponding.

Tru-Hotel by Hilton, Lewisburg, WV
McClung prepared the Site Drainage Plan for this proposed hotel within a new commercial development. Design responsibilities included the Site Layout and Parking Plan, the Site Grading Plan, and the Storm Drainage Plan. McClung also prepared the Site Design Package required by the City of Lewisburg's Planning Commission for review and approval by the City.

The Crossing – Cameron Martin Properties, Village of Barboursville, WV
McClung design the new stormwater culvert beneath the proposed entrance drive for this new commercial development. In addition,

Education

M.B.A. University of Georgia

M.S. Civil Engineering, Auburn University

B.C.E. Civil Engineering, Auburn University

Certifications

Georgia Soil & Water Conservation Commission

Level II Certified Design Professional

Registration

Professional Engineer: WV, GA, AL

Total Years Experience

22

SHAWN GRAY, ASLA
Project Designer

TERRADON

Shawn Gray is an experienced Site Designer and Land Planner who serves as an integral part of the TERRADON design team. He offers experience on many of TERRADON's highest profile projects, focusing on large scale site development and parks and recreation projects. Gray also provides site design and landscape architecture services for K-12 and Higher Education projects. He is responsible for developing site, grading, landscape and utility plans, site detailing and erosion sediment control plans and permitting.

Project Experience

Bible Center Church Master Plan, Charleston, WV
Project consisted of the layout of a soccer field, youth soccer fields, track, softball field, cross country/walking trail, a new sanctuary, chapel, pre k-8 school/gym, ministry village, new parking, independent living facilities, and assisted living facilities. Project also consisted of site grading and utility study and a budget estimate.

Ohio Valley University, Vienna, WV
Project consisted of designing a sports complex for the university. New amenities included a track and field events, soccer field, baseball field, new softball field, tennis courts, parking, basketball arena with amenities, and an outdoor sports hall of fame. Project also consisted of site grading and a budget estimate.

Cabin Creek Health Systems, Sissonville, WV
New medical/dental office building. Services included site layout, grading, drainage, utility, erosion and sediment control, details, and landscape. Site also included retaining wall layout and design, underground stormwater design, creek bank stabilization.

Greater Greenbrier Sports Complex, Greenbrier County, WV
Provided 5-Phased, Master Planning and Grading Design Services for the Greater Greenbrier Sports Complex located north of Lewisburg, WV.

Valley Park Master Planning & Expansion, Hurricane, WV
Served as a Site Designer for the expanding Valley Park in Hurricane, WV. The project included planning for athletic fields, multiple parking lots, access roads and greenspace, but also incorporated a walking trail that ties into existing park trails. The plan was produced in coordination with the WVDOT to determine roadway/walkway ingress/egress and designed in accordance with local, state and federal regulations.

Volcano Island Master Planning, WV
Provided land planning and design engineering, utility location and mapping services for the properties. The master planning provided vision for Volcano Island Water Park, allowing the City of Fairmont efficient and value-based use of the former environmentally concerned site.

Sheetz, WV
Provided site design services for Sheetz Service Centers at Scott Depot, Cross Lanes and Green Acres, WV. The projects consisted of site layout and design, utility design, hardscapes and landscape architecture.

Education
B.A. Landscape Architecture
West Virginia University

Total Years Experience
+15

James N. Kosinski, PE, LEED AP

Principal, President
Point of contact, Mechanical Engineering

Mr. Kosinski is primarily responsible for the design of HVAC systems and their components for all Tower Engineering projects. He has experience with the design of numerous types of HVAC systems, including constant and variable air volume air handling, geothermal heat pump and exhaust systems; chilled water and hot water; electric/electronic, pneumatic and DDC control systems. He has 28 years of experience.

Jim's design responsibilities include load calculations, equipment selection, system layout, project specifications, cost estimates, direction of project drafting efforts, coordination with other engineering disciplines, and construction administration. Additional responsibilities include system analysis and energy studies, client contact, and project management and scheduling. He has performed energy conservation analyses, evaluated HVAC system performance, and justified the installation of DDC control systems and other energy saving measures. As a Mechanical Engineering Group Leader, Mr. Kosinski coordinates the efforts of a team of staff engineers, designers and CAD operators.

REPRESENTATIVE EXPERIENCE

University of Pittsburgh – Pittsburgh, Pennsylvania
Trees Hall/Fitzgerald Field House MEP Systems Renovations; Trees Hall Pool Lighting; Power Center Replacement; Switchgear Upgrade; Trees Hall/Fitzgerald Field House MEP Systems Renovations; Upper Campus Housing Phase I and II; Allen Hall 4 and 5 Floors HVAC Renovations; 610- G17 Lab Renovation; Laser Lab Power Connection and Renovations; ClassroomDesign FY08 (Multiple); FY98 (Multiple);Phase 8 (Frick and Thaw); Fitzgerald Field House Additions/Renovations; Wrestling and Weight Room Renovations; Greensburg Campus Millstein Library Feasibility Study; Millstein Library Room 101 Renovations; Recreation Center Feasibility Study; OEH 3 Floor Renovations; HVAC System Modification; Laser Lab; Broadhurst Science Center Campus Hub Interior Renovation (Bradford Campus)

Allegheny College - Meadville, Pennsylvania
Carr Hall and Science Building Study

Carnegie Mellon University - Pittsburgh, Pennsylvania
Posner Hall Conference Center / Rare Books Facility; Wean Hall Renovation; Welch Hall; Morewood Gardens Renovation; Hamerschlag House Restrooms Renovation; Henderson Hall; Sculpture Garden

Mercyhurst College - Erie, Pennsylvania
New Academic Building
Hammermill Library HVAC Study

Mt. Aloysius College - Pennsylvania
Ihmsen Hall Rennovation Study

Pennsylvania State University – Behrend Campus- Erie, Pennsylvania

EDUCATION
Bachelor Architectural Engineering
Penn State University 1989

REGISTRATION
PE, Pennsylvania
PE-045741-E
PE, West Virginia
PE-016993
PE, New York
PE, Maryland

NCEES Registered

LEED Accredited Professional 2009

AFFILIATION
American Society of Heating, Refrigeration & Air Conditioning Engineers (ASHRAE)

EDUCATION
BS, Mechanical Engineering
Penn State University 1997

Years of experience: 22
Years with firm: 22

REGISTRATION
Professional Engineer, PA
PE-062304, 2003

Certified in Plumbing
Design (CPD), 1998 and 2015

LEED Accredited Professional
2009

Michael S. Plummer, PE, CPD, LEED AP

Principal, Department Head
Plumbing and Fire Protection Department

Mr. Plummer is primarily responsible for the design of plumbing and fire protection systems and their components for educational, governmental, and commercial buildings. His plumbing duties include the design and layout of all domestic hot and cold water, sanitary drainage and storm water management systems. He is also responsible for the natural gas piping systems along with specialty systems involving laboratory or hospital gases. Mike's fire protection responsibilities include the design of water supply and pumping systems involving fire mains and sizing of fire pumps, the layout of standpipe and sprinkler zone locations, sprinkler head placements and reviewing hydraulic calculations for contractor designed sprinkler systems. He is a LEED Accredited Professional and designs all of his projects with sustainability in mind. He has 20 years of experience.

Mike's duties include preparation of project specifications, cost estimates, project management, and coordination with architectural and other engineering disciplines. He also performs construction administration duties including review of submittals, preparation of punch lists, and field problem solving, as well as supervising the engineering efforts of the Plumbing and Fire Protection Department.

REPRESENTATIVE EXPERIENCE

University of Pittsburgh - Pittsburgh, Pennsylvania
Renovations to Thaw Hall, Benedum Hall (multiple projects), Salk Hall, Bellefield Hall, Bruce Hall, Sutherland Hall, multiple fraternity houses, and the Millstein Library and Chambers Hall on the Greensburg campus.

Westmoreland County Community College - Youngwood, Pennsylvania
Founder's Hall Master Planning and Study
Founder's Hall Science Hall Addition

West Virginia University - Morgantown, West Virginia
College of Law renovations
University Park apartments, dormitories, retail, $80 million new construction
WVU High Tech Consortium – Several Tenant Fitouts
MATEC Hangar – Byrd National Aerospace Education Center
WVU Parking Garage

Allegheny College - Meadville, Pennsylvania
Calfisch Hall study, new Delta Tau Delta Fraternity House, Reis Hall Feasability Study

Fairmont State University - Fairmont, West Virginia
New Musik Library, Turley Center Student Center renovation, Hardway Hall renovation, Hunt Haught Hall renovation, Fairmont State Conference Center and Feaster Hall elevator.

T Steffanie Bako, PE

Principal, Department Head
Electrical Engineering Department

Ms. Bako is responsible for the design of electrical systems and their components for educational, commercial, and governmental facilities, with a significant amount of experience in the K-12 educational sector. In addition to her roles as Principal and Department Head, Steffanie continues to provide design and project management services on a number of projects.

Steffanie's design responsibilities include lighting layout, fixture selection, and lighting calculations; power distribution from service entrance to branch devices, including coordination with the appropriate utility company, coordination with the architect for owner-provided equipment, and coordination with other disciplines for equipment provided under other trades; emergency power distribution systems, including engine generators and various battery back-up systems; fire alarm detection and alarm systems; public address and emergency communications systems; telecommunications cabling infrastructure; and security systems.

Additional project responsibilities include preparation of engineering drawings, technical specifications, opinions of probable cost, review of submittals, and field observation.

REPRESENTATIVE EXPERIENCE

Fairmont State University - Fairmont, West Virginia
Engineering Technology Building and Musick Library Addition and Renovations

Glenville State College - Glenville, West Virginia
Student Center Renovations

Mt. Aloysius College - Pennsylvania
Ihmsen Hall Rennovation Study

Slippery Rock University - Slippery Rock, Pennsylvania
President's House and North Hall Administrative Building Renovations

University of Pittsburgh - Pittsburgh, Pennsylvania
Frick Fine Arts Electrical Distribution Upgrade

Westmoreland County Community College - Youngwood, Pennsylvania
Founder's Hall Master Planning and Study
Founder's Hall Science Hall Addition
Science Center Lab Renovation - Active

West Liberty University - West Liberty, West Virginia
Health Science Building

West Virginia University - West Virginia University Park
Multi-Purpose Development, Morgantown
Technology Wing Renovation, Parkersburg

EDUCATION
BS Electrical Engineering
Case Western Reserve University, 1997

REGISTRATION
Professional Engineer
PA - PE-061041
OH - PE-79478
WV - PE-020911

AFFILIATION
Illuminating Engineering Society of North America (IES): Treasurer Pittsburgh Section

Tab E

Previous Experience

WilliamsonShriverArchitects

Business and Commercial Design

Massey Energy Office Building

Julian, WV

Design-Builder:
G&G Builders, Inc.
Mike Davis, Project Manager
(304) 757-9196

Services provided in-house:
Architectural design
Structural design

Year completed: 2008

Other data:

Size:	70,000 SF
Cost:	$13.2 million

Constructed originally for the Massey Energy's national headquarters, this three story office building was later occupied by Alpha Natural Resources following it's acquisition of Massey. This four story building included spaces for all departments of both companies including executive administration, legal, finance, information technology, and field operations such as mapping and land management. Additionally the building includes a full commercial kitchen and glass-roofed garden dining space for employees.

In addition to the main headquarters building, the project also included construction of a new helipad and support facilities.

The exterior of the building was designed to utilize large ribbon windows maximizing daylight within the perimeter office spaces. The building design incorporated multiple brick colors in horizontal stripes reflecting underground coal strata.

Business and Commercial Design

International Coal Group / Arch Coal Office Building

Scott Depot, WV

Design-Builder:
G&G Builders, Inc.
Mike Davis, Project Manager
(304) 757-9196

Services provided in-house:
Architectural design
Structural design

Year completed: 2007

Other data:

Size:	52,000 SF
Cost:	Withheld by Owner

Constructed originally for the International Coal Group's national headquarters, this three story office building was purchased by Arch Coal in 2014. The three story building included spaces for all departments of both companies including executive administration, legal, finance, information technology, and field operations such as mapping and land management.

Due to an extensive collection of paper records, the center structural bay framing members for the building were oversized to support large moving paper file storage systems.

The exterior of the building was designed to utilize large ribbon windows maximizing daylight within the perimeter office spaces. The building design incorporated two brick colors to reduce the building's apparent mass from the adjacent interstate highway and business park in which it resides.

Business and Commercial Design

Teays River Station

Hurricane, WV

Owner:
Teays River Station LLC
Brian Prim
Managing Partner
Prim Law Firm, PLLC
(304) 201-2425

Services provided in-house:
Architectural design
Structural design
Interior design

Services provided by consultants:
MEP Design - Harper Engineering

Year completed: 2015

Other data:
Size: 6,500 SF
Cost: Withheld by Owner

The design concept for this multi-building development was to draw design features from the farmhouse vernacular and traditions of the historically agrarian Teays Valley, West Virginia community in which it resides.

Exterior features include a partial stone veneer and a striking complementary green wood veneer. These are set off by the traditional grey-silver metal roofing often found on farm buildings.

This initial building is a two story office structure housing the development owner's law firm on the second floor with a tenant cardiac medical office on the ground level. Building two of this development is currently in design, and will feature a similarly detailed but larger office building placed perpendicularly on the site.

Williamson Shriver Architects was assisted by team members Triad Engineering (site / civil), Harper Engineering (MEP) and Laura Davis Interiors on this project.

PK-12 Educational Design

Herbert Hoover High School

Owner:
Kanawha County Board of Education
Dr. Tom Williams, Superintendent
Dr. Ronald Durreing, Former. Supt.
(304) 348-770

Services provided in-house:
Architectural design
Structural design
Interior design
Furnishings and equipment design

Services provided by consultants:
Site/Civil Design - Terradon Corp.
MEP Design - Harper Engineering

FEMA Funded Project

Construction commence: 2019
Anticipated completion: 2023

Other data:

Size:	185,813 SF (Bldg)
	21,030 SF (Athletic)
Capacity:	772 students 9-12
Cost:	$87.6 million

Description of Project:
In 2016, the existing Herbert Hoover High School which sat near the Elk River was flooded and deemed damaged beyond repair. Kanawha County Schools and FEMA (Federal Emergency Management Agency) worked together to provide a replacement high school for the community.

In December of 2019, the project began construction with the site preparation of a new 238 acre site that will provide a clear 90 plus acre area for the new school.

In February of 2021, the building construction started for the new state of the art new high school. The new school with have a administrative area and secured visitor's vestibule, 24 plus academic classrooms, band, choral, arts classrooms, a 370 seat auditorium with stage,competitive gymnasium with 1,000 seats, an auxiliary gymnasium, two story media center with four collaborative hubs, and a FAB Lab with wood shop in the vocational area of the school.

The building will utilized geothermal heating and cooling by utilizing 278 geothermal wells that are over 400 feet deep.

In addition to the building, the project includes athletic facilities for football, track, soccer, baseball, softball, and tennis. The site will have ample parking for daily use and athletic events.

Civic Design

South Charleston Area Development Corporation

Regional Inter-Governmental Council

Owner:
South Charleston Area Development Corporation
Steve Weir, Executive Director

Services provided in-house:
Architectural design
Structural design

Year completed: 1999

Other data:

Size:	7,500 SF
Construction Cost:	$1 million

Description of Project:
This project was a pair of twin buildings sharing the same site located across the street from City Hall in downtown South Charleston, WV. Each building has its own unique identity expressed through separate front entrances on different city streets.

Each building contains offices, conference rooms, and other administrative support spaces. A private outdoor courtyard meanders between the two buildings.

Civic Design

South Charleston Fire Station No. 1

Owner:
City of South Charleston
The Honorable Frank Mullens, Mayor
(304) 744-5300

Services provided in-house:
Architectural design
Structural design
Interior design

Services provided by consultants:
Site/Civil Design - Terradon Corp.
MEP Design - Harper Engineering

Construction commence: 2015
Year completed: 2016

Other data:

Size:	10,119 SF
Construction Cost:	$2.8 Million
Cost/SF	$276.70 / SF

Description of Project:
This project is a replacement fire station facility for the City of South Charleston. For this station, the city requested a design in keeping with the high-tech chemical manufacturing facilities located nearby.

The design of this building includes three drive-thru apparatus bays, plus storage and maintenance spaces for fire fighting operations. This area also includes a multi-story training space for learning vertical movement and rescue.

The living quarters includes six sleeping berths, toilet / showers for male and female firefighters, shift commander's quarters and office, captain's quarters and office, and spaces for kitchen, dining, living, meeting/computer room, and laundry.

The building exterior features a sweeping curved metal roof, tri-color brick, and both smooth and corrugated metal wall panels.

Civic Design

South Charleston Fire Station No. 5 Washington Dist. Community Ctr.

Owner:
City of South Charleston
The Honorable Frank Mullens, Mayor
Rick Atkinson, City Mgr.
(304) 740-5985

Services provided in-house:
Architectural design
Structural design

Services provided by consultants:
Site/Civil Design - Terradon Corp.

Services provided by consultants:
MEP Design - Harper Engineering

Construction commence: Dec. 2020
Year Completion: April 2022 **
**Delayed due to material lead time

Other data:

Size:	10,800 SF
Construction Cost:	$1.769 Mil.*
Cost/SF	$163.79 / SF

*(Owner self preformed Site and Interior finishes)

Description of Project:
Located at the intersection of SandPlant Road and Route 119, this project is a new fire station facility for the City of South Charleston and a Community Center for the Washington District area.

One third of the building is dedicated to the new fire station that includes a single drive-thru apparatus bay with storage, maintenance spaces for fire fighting operations and living quarters for the new fire fighters.

The living quarters include three sleeping berths with unisex toilet / shower, as well as spaces for kitchen, dining, living, and laundry and shift commander's office.

The other two thirds of the building is dedicated for a new community center space that includes multi-purpose room with basketball backstops, prep kitchen, male and female toilets, storage and mechanical/plumbing entrance for the full building. A small separate office is dedicated for the Law Enforcement in this area.

The building was designed to utilize pre-engineered metal building system due to a limited budget. The exterior will be clad in three colors of metal panels along with some stone veneer on the front of the building. The site will have parking for around 80 vehicles including the fire fighters and contain two bioswales for storm water management.

Floor Plan

The left side of the plan is the dedicated fire station while the right side is the community center space

Civic Design

Hurricane Fire & Rescue Station

Owner:
City of Hurricane
The Honorable Scott Edwards, Mayor
Andy Skidmore, City Mgr.
(304) 562-1105

Services provided in-house:
Architectural design
Structural design

Services provided by consultants:
Site/Civil Design - Terradon Corp.

Services provided by consultants:
MEP Design - Harper Engineering

Construction commencement:
March 2022
Year Completion:
Spring 2023

Other data:

Size:	19,600 SF
Construction Cost:	$4.769 Mil.
Cost/SF	$243 / SF

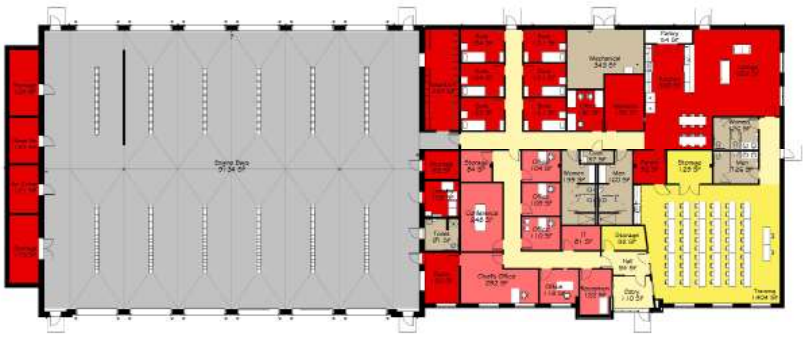
Description of Project:
The new fire station for the CIty of Hurricane was a replacement station on a new site located on Route 34.

The new station consists of six drive through tandem apparatus bays for with storage, one stall is a dedicated wash bay for maintenance, direct access to the locker room and crew equipment, laundry room and a decontamination wash room.

Adjacent to the apparatus bay on the front of the building is the administration suite that includes Fire Chief office, conference room, three support offices, receptionist area, network closet, general storage with admin. toilets, a large training room is located at the public entrance with public toilets for group use.

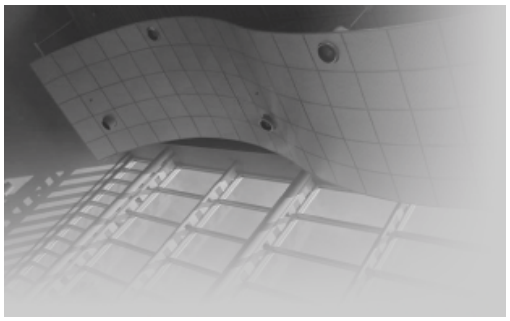
The last area of the building is dedicated to the crew with six sleeping quarters, with male and female toilet and showers, crew office, workout space, large kitchen with pantry that opens to the large living room area for the crew.

The site has full drive around access with an outdoor area for future training tower and ample parking for all crew and staff.



Floor Plan

Tab F
References



WilliamsonShriverArchitects

References

A list of current clients serving as references for Williamson Shriver Architects. Please feel free to contact any of the following at your convenience.

The Honorable Mayor Frank Mullens
City of South Charleston
South Charleston, WV
(304) 744-5301

Mr. Andy Skidmore
City Manager
City of Hurricane
Hurricane, WV
(304) 562-1105

Mr. Rick Atkinson
City Manager
City of South Charleston
South Charleston, WV
(304) 744-5301

Mrs. Stephanie DeGroot
Construction Manager
Fairmont State University
Fairmont, WV
(304) 367-4401

Mr. Virgil White
Fire Chief
City of South Charleston
South Charleston, WV
(304) 744-0079

Mr. Glenn Jeffries
President/Owner
Cornerstone Interiors, Inc.
Red House, WV
(304) 586-4700

Dr. Tom Williams
Superintendent
Kanawha County Schools
Charleston, WV
(304) 347-7732

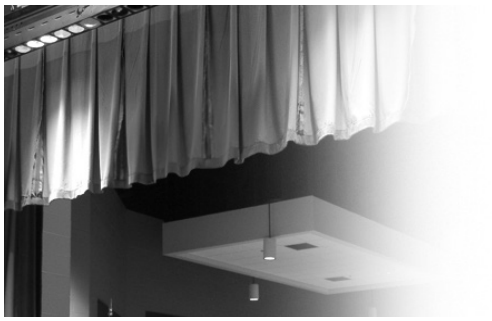
Dr. Eddie Campbell
Superintendent
Monongalia County Schools
Morgantown, WV
(304) 291-9210

Mr. Ryan Haught
Director
Mid-Ohio Valley Technical Institute
St. Marys, WV
(304) 684-2464

Mr. Joseph Arbogast
Superintendent
Webster County Schools
Webster Springs, WV
(304) 847-5638

Tab G

Terms and Conditions



WilliamsonShriverArchitects

ADDITIONAL TERMS AND CONDITIONS
(Architectural and Engineering Contracts Only)

1. PLAN AND DRAWING DISTRIBUTION: All plans and drawings must be completed and available for distribution at least five business days prior to a scheduled pre-bid meeting for the construction or other work related to the plans and drawings.

2. PROJECT ADDENDA REQUIREMENTS: The Architect/Engineer and/or Agency shall be required to abide by the following schedule in issuing construction project addenda. The Architect/Engineer shall prepare any addendum materials for which it is responsible, and a list of all vendors that have obtained drawings and specifications for the project. The Architect/Engineer shall then send a copy of the addendum materials and the list of vendors to the State Agency for which the contract is issued to allow the Agency to make any necessary modifications. The addendum and list shall then be forwarded to the Purchasing Division buyer by the Agency. The Purchasing Division buyer shall send the addendum to all interested vendors and, if necessary, extend the bid opening date. Any addendum should be received by the Purchasing Division at least fourteen (14) days prior to the bid opening date.

3. PRE-BID MEETING RESPONSIBILITIES: The Architect/Engineer shall be available to attend any pre-bid meeting for the construction or other work resulting from the plans, drawings, or specifications prepared by the Architect/Engineer.

4. AIA DOCUMENTS: All construction contracts that will be completed in conjunction with architectural services procured under Chapter 5G of the West Virginia Code will be governed by the attached AIA documents, as amended by the Supplementary Conditions for the State of West Virginia, in addition to the terms and conditions contained herein. The terms and conditions of this document shall prevail over anything contained in the AIA Documents or the Supplementary Conditions.

5. GREEN BUILDINGS MINIMUM ENERGY STANDARDS: In accordance with West Virginia Code § 22-29-4, all new building construction projects of public agencies that have not entered the schematic design phase prior to July 1, 2012, or any building construction project receiving state grant funds and appropriations, including public schools, that have not entered the schematic design phase prior to July1, 2012, shall be designed and constructed complying with the ICC International Energy Conservation Code, adopted by the State Fire Commission, and the ANSI/ASHRAE/IESNA Standard 90.1-2007: Provided, That if any construction project has a commitment of federal funds to pay for a portion of such project, this provision shall only apply to the extent such standards are consistent with the federal standards.

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

(Printed Name and Title) Greg Martin, AIA./NCARB, President of Williamson Shriver Architects, Inc.

(Address) 717 Bigley Avenue, Charleston, WV 25302

(Phone Number) / (Fax Number) 304.345.1060

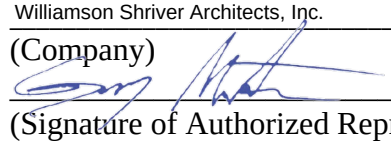
(email address) gmartin@wsgarch.com

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 this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; that I am authorized by the Vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on Vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

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

Williamson Shriver Architects, Inc.

(Company)



(Signature of Authorized Representative)

Greg Martin, AIA/NCARB, President of Williamson Shriver Architects, Inc. 11/13/23

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

304.345.1060

(Phone Number) (Fax Number)

gmartin@wsgarch.com

(Email Address)

Tab H

Addenda Receipt

WilliamsonShriverArchitects

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: GSD2400000002

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.

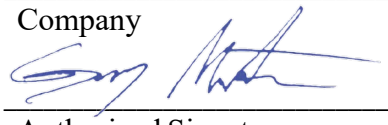
Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

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

☑ Addendum No. 1	☐ Addendum No. 6
☐ Addendum No. 2	☐ Addendum No. 7
☐ Addendum No. 3	☐ Addendum No. 8
☐ Addendum No. 4	☐ Addendum No. 9
☐ Addendum No. 5	☐ 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.

Williamson Shriver Architects, Inc.
Company


Authorized Signature

November 13, 2023
Date

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

WilliamsonShriverArchitects

Williamson Shriver Architects, Inc.
717 Bigley Ave
Charleston, WV 25302
304-345-1060 voice
304-345-3693 fax
www.wsgarch.com