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Header 1

List View

General Information [Contact](#) [Default Values](#) [Discount](#) [Document Information](#) [Clarification Request](#)

Procurement Folder: 1827449

Procurement Type: Central Purchase Order

Vendor ID: VS0000050582

Legal Name: Atlantic Design Group, LLC

Alias/DBA: ADG

Total Bid: \$1.00

Response Date: 11/18/2025

Response Time: 11:50

Responded By User ID: matt.alexander1

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Last Name: Alexander

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SO Doc Code: CEOI

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Solicitation Description: EOI: Campus and Security Updates

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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: 1827449
Solicitation Description: EO: Campus and Security Updates
Proc Type: Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2025-11-18 13:30	SR 0403 ESR11182500000003194	1

VENDOR
VS0000050582
Atlantic Design Group, LLC

Solicitation Number: CEOI 0403 DBS2600000001
Total Bid: 1
Response Date: 2025-11-18
Response Time: 11:50:42
Comments:

FOR INFORMATION CONTACT THE BUYER
James W Atkins
(304) 558-0094
james.w.atkins@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	Architectural engineering				1.00

Comm Code	Manufacturer	Specification	Model #
81101508			

Commodity Line Comments: If selected for an interview and chosen as the most qualified firm to provide this design, a complete cost proposal will be provided.

Extended Description:
EOI: Campus and Security Updates



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November 18, 2025

James Atkins
Buyer, Purchasing Division
State of West Virginia
Department of Administration, Purchasing Division
2019 Washington Street
East Charleston, WV 25305
Fax: 304.558.3970

Matt Alexander, P.E.
Vice President – Design
Atlantic Design Group, LLC
10716 Little Patuxent Pkwy
Columbia, MD 21044

RE: Expression of Interest, Architectural Engineering Services
Solicitation No.: CEOI 0403 DBS2600000001
West Virginia School for the Deaf and the Blind (WVSDB) Campus and Security Upgrades

Atlantic Design Group, LLC (ADG) is pleased to provide a response to the Expression of Interest for Architectural and Engineering Services for the Campus and Security Upgrades for the West Virginia Schools for the Deaf and Blind.

General Design Capabilities

ADG provides comprehensive architecture and engineering services for government and commercial clients. Our portfolio includes offices, training centers, secure facilities, healthcare, delivered nationwide and internationally. ADG ensures compliance with all applicable code requirements including agency-specific, local, and international codes and standards to create tailored, site-specific designs.

For this contract, ADG will provide in-house project management, architecture and interior design, mechanical, electrical, and plumbing engineering. We will collaborate with several key subconsultants, including Stahl Sheaffer for structural and civil engineering, SKA Studios with architectural support with key education sector experience, Aaby Fire Protection for life safety, and MBP for cost estimating at each design milestone. ADG has worked extensively with our key subconsultants previously, particularly Stahl Sheaffer, Aaby Fire Protection Engineering and MBP. These strong working relationships allow us to provide design services throughout the project lifecycle.



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Design Approach: Meeting Project Goals/Objectives

Overall Design Approach:

At the start of the design phase, ADG will host a design kick-off meeting with the WVSDB team as well as other key stakeholders as required to confirm a clear understanding of the project goals and objectives. After the kick-off meeting and a thorough review of the existing plans, the ADG design team will conduct a site survey to document existing conditions and obtain a more thorough understanding of the building and the project constraints. Throughout the design development, the goals and objectives will be revisited to verify the design remains aligned and focused on achieving the overall project objectives.

Design deliverables include drawings, specifications, cost estimate, and relevant calculations and data sheets as needed to provide the WVSDB project team a complete package to review to ensure the design aligns with project expectations. The design milestones include 35%, 65%, 95% and 100% design packages. ADG anticipates feedback from the WVSDB team, and will participate in a design review meeting to discuss comments at the culmination of each design submittal. The cost estimate will also be reviewed and necessary scope adjustments will be integrated into the subsequent design phase to ensure the design aligns with WVSDB's projected construction budget. The culmination of the design includes signed and sealed drawings by professional architects and engineers registered in the State of West Virginia, and responding to and incorporating any comments received by the Authority Having Jurisdiction (AHJ).

ADG will support the WVSDB team with the bidding process and throughout the construction phase. The construction services will be completed by the same design team that managed the design, to ensure continuity of the services provided. Construction services will include submittal review, request for information (RFI's), periodic site observations, commissioning support, and site observations to perform a final punch list.

Goal/Objective 1: *Updates in the main educational building, including: replacing all interior doors and hardware, replacing windows, replacing select exterior doors, complete a full abatement on the remaining areas, design and install a secure entrance, HVAC evaluation and replacement, update select classroom spaces, and updated various plumbing systems and multiple bathrooms to match current needs.*

ADG Response:

ADG will begin the approach to this multi-faceted project by holding a project kick-off meeting to ensure our understanding of the details of the objectives are understood and are in alignment with the WVSDB project team. Following the meeting will be a complete site assessment to validate existing conditions. The survey will document current accessibility/assistive-technology in place and will seek to understand known deficiencies and best practices that may be implemented to improve functionality of the facility. ADG often designs projects for occupied buildings, and our approach will maintain focus on maintaining operations within the building through project phasing.

The design will also focus on accessibility/assistive-technology assessment specific to students who are deaf and blind. Prioritize safety, universal design, and sensory accommodations when specifying interior doors and hardware (low-force closures; tactile and high-contrast handles; audible/visual door-status indicators; automatic operators where required) and select exterior doors (secure, weatherproof, low thresholds). Replace windows with high-performance glazing that balances daylighting, glare control, and thermal performance while providing controllable shading, and blending with the existing architecture aesthetic of the building. Hazardous testing and



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abatement requirements will be identified in coordination with the WVSDB, including highlighting and known or suspected hazardous materials potentially impacted by the project scope.

Design of a secure entrance that combines physical security measures required by the WVSDB including controlled access with clear tactile wayfinding, braille signage, high-contrast visual cues, appropriate lighting, and communication aids (TTY/relay systems, visual call panels, and hearing-loop or RF assistive audio where applicable). The required modifications will include exterior modifications to ensure an accessible entrance, and seamless blending of the modifications into the existing environment.

The HVAC system will be evaluated and design completed to replace or right-size equipment for improved ventilation, filtration, and acoustic comfort. The extent of the HVAC system replacement and upgrades will be coordinated with the WVSDB, and will incorporate HVAC zoning and terminal box sizing, air-flow monitoring, humidification/dehumidification and BAS control upgrades as required.

Reconfigure select classrooms and bathrooms to meet current program and ADA/ICC A117.1 standards—provide accessible fixtures, clear turning radii, appropriate grab locations, and durable finishes—and coordinate plumbing upgrades for water efficiency and maintenance access.

Goal/Objective 2: *Design and install three roofs on building's on campus.*

ADG Response:

Roof replacement design for the three campus buildings will be completed with a performance-driven approach that minimizes disruption, meets code, and maximizes lifecycle value. Begin with a focused existing conditions survey (roof deck, insulation, flashing, drains, penetrations, existing roof system layers, and interior water damage) to confirm substrate and fastener conditions. Select roof assemblies based on building use, slope, and budget—options include insulated single-ply membrane (TPO/EPDM) for low-slope roofs or standing-seam metal for steeper profiles—specifying vapor control, R-value targets to meet local energy code, continuous insulation to reduce thermal bridging, high-performance flashings, and durable roof drains/gutters. Specify recommended materials with warranties (minimum 20-year membrane or 30-year metal), plus reflective or cool roofing to reduce energy load.

Develop proposed phasing plan to preserve campus operations and safety: replace roofs one building at a time during school breaks or low-occupancy periods, provide clear staging and protected pedestrian routes, and supply temporary covers where interior work continues. Coordinate with facilities to ensure design addresses all aspects of peripheral system impacted including structural, MEP, and impacts to interior spaces and verify potential crane/hoisting access and laydown areas. Recommendations to mitigate construction-phase schedule and cost risks include preparing design to address budgeting for deck replacement, expedited procurement of long-lead materials, and specifying owner-directed unforeseen work procedures to keep closure time and occupant impact minimal.

Goal/Objective 3: *Update plumbing and hot water tanks in multiple buildings.*

ADG Response:

ADG's design approach will start with an existing conditions assessment. The design plan will replace aging hot



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water tanks and upgrade distribution plumbing across the multiple buildings to meet current code requirements, improve water quality and reliability, streamline maintenance requirements, and increase energy efficiency.

Based on the layout of each building and WVSD's specific objectives, ADG will evaluate potential options and provide recommendations for the replacement of water heaters. As with other objectives, phasing will be crucial to maintain operations and minimize disruptions at the school. ADG anticipates validating the system capacity requirements based on current and projected usage in each building, and incorporating any expansion capability into the system design. Key considerations include compliance with local plumbing/mechanical codes, venting and combustion air requirements, structural capacity, water treatment and Legionella mitigation, and thermal/acoustic impacts.

Qualifications, Experience, and Past Performance

Proposed Project Team – Personnel & Qualifications:

Design Firm	Role	Disciplines	Lead Designer	Certifications & Degree	WV License
Atlantic Design Group, LLC	Designer of Record	Design Executive	Matt Alexander	B.S. Arch. Engineering PE	No
		Project Manager	David Wissing	B.S. Civil Engineering PE, PMP	No
		Architect	My Phan	B. Architecture, AIA, NCARB, LEED AP	Yes
		Mechanical Engineer	Dick Fricker	B.S.C.E., Mechanical Spec. PE	Note 2
		Electrical Engineer	Glenn Sanford	B.S. Electrical and Computer Engineering PE, LEED AP BD+C, PMP	Yes
Stahl Sheaffer	Structural & Civil Engineering	Civil Engineer	Robert Milne	B.S. Civil Engineering M.S. Civil Engineering PE	Yes
		Structural Engineer	Greg Wilhelm	B.S. Civil Engineering PE	Yes
Aaby Fire Protection	Life Safety & Fire Protection Engineering	Fire Protection Engineer	Mark Aaby	BS, Fire Protection Engineering M.Eng, Fire Protection Engineering Graduate Certificate Project Management FPE	Yes
SKA Studio	Architectural Support; Educational Facility Planner	Architect, PM	Ben Dorsey	B. Architecture AIA, NCARB, LEED AP	No
		Architect	Steven Kahle	B.S. Architecture Master of Business Admin Master of Architecture AIA, NCARB	Yes
MBP	Cost Estimating	Lead Cost Estimator	Allan Shad	B.S. Building Construction	-
Notes: 1. Design leads noted in bold will sign and seal construction design documents. 2. West Virginia Application for PE by Comity, submitted.					



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Design Team Resumes:

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
Matthew Dean Alexander, PE	Vice President - Design	a. TOTAL	b. WITH CURRENT FIRM
		20	12

15. FIRM NAME AND LOCATION (City and State)
Atlantic Design Group, LLC, Columbia, MD

16. EDUCATION (DEGREE AND SPECIALIZATION) B.S. Architectural Engineering, Mechanical Option	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Professional Engineer, MD (54480) exp 6/04/27; TN (129149) exp 12/31/25; VA (0402067887) exp 2/28/26; Professional Engineer, Architectural, WY (13580) exp. 12/31/2025
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18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)
Mr. Alexander has worked on multiple design and D/B projects including new construction, renovations, and alterations for healthcare, industrial, infrastructure, administrative, training, data center, cleanroom, SCIF, shielded enclosure, AT/FP, and security. His has experience in a variety of positions in the construction industry ranging from mechanical engineer with a design/build government contractor, facilities engineer with a public university, a mechanical engineer with an international MEP consulting engineering firm, and a carpenter with a custom home builder.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Repair Dental Sterile Processing Department, JBPHH, Honolulu, HI	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
	2025	Starting 2026

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if performed with current firm

a. Project Manager & Mechanical Engineer - The project consists of a phased renovation of the sterile processing department for the dental clinic for the 15th Medical Group Clinic at JBPHH. The SPD was reconfigured to support the process workflow. A dedicated AHU was provided to serve the SPD. Additionally the dental treatment rooms were relocated to provide space for the SPD. The layout and design was developed to support project phasing, to ensure the SPD remains operational throughout the renovation.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Potomac Hall Project, Board of Governors of the Federal Reserve System (FRB), U.S. Customs and Border Protection, Harpers Ferry, West Virginia	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
	2025	Ongoing

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if performed with current firm

b. Mechanical Engineer - The project was an interior renovation of two areas within the Potomac Hall building at the Customs and Border Protection (CBP) Training Facility. Area 1 included interior modifications to an approximately 3,000 SF existing SCIF space to support FRB program requirements. The mechanical scope included modifications to support upgraded SCIF penetrations, select modifications to align with interior modifications, and calculations to validate existing HVAC system. Plumbing piping was modified to support the new kitchenette area. Area 2 included converting 7,500 SF of existing open office space into two (2) large training rooms with an operable wall system in between, a kitchenette, five (7) private offices, a small conference room, a small open office and waiting area, three (3) storage rooms, and IT room. Mechanical system modifications were completed to support additional capacity, including new terminal units and increased outside air amounts, and validation of the existing AHU system. A new CRAC unit was provide to serve a new IT room. Plumbing was modified to support the change from large multi-fixture men's and women's restrooms to multiple individual toilet rooms.

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
Renovation Barracks Buildings 4053, Fort Campbell, Kentucky	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
	2024	Ongoing

(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if performed with current firm

c. Project Manager & Mechanical Engineer - Complete renovation of existing Barracks Buildings 4053, including a new barrack unit configurations, an upgrade of finishes, kitchenette casework and appliances, plumbing fixtures and laundry facilities, an addition of glazed curtain wall entrances, and roof repairs of the existing standing seam metal roof system. The roof design incorporates the installation of a retrofit framing system over the existing metal roof, with additional insulation, and new gutters, downspouts, snow guards. The project includes the removal of an existing glazed cupola and design of new roof joists and metal decking to infill the roof opening. New mechanical systems included PTAC's in each barrack bedroom, with ductwork serving the bedrooms and shared kitchen. Other

mechanical system upgrades included a replacement dedicated outdoor air unit, new exhaust fans, select water heater upgrades, new plumbing piping, and crawlspace drainage and dehumidification units.

(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED	
Repair Radiology Department, Madigan Army Medical Center, Building 9040, Joint Base Lewis McChord (JBLM), WA		PROFESSIONAL SERVICES 2022	CONSTRUCTION (If Applicable) Ongoing
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		☒ Check if performed with current firm	
d. Mechanical Engineer - ADG was the Designer of Record for the general contractor for this D/B contract to renew the Radiology department. The 50, 000 SF area of work included (2) MRI, (2) CT scan rooms, (2) fluoroscopy x-ray rooms, (5) general x-ray rooms, (6) ultrasound rooms, a women's clinic with mammography, ultrasound and DEXA bone density scan room. Office and ancillary spaces are provided along with resident work area and Phase 2 recovery suite for interventional radiology. The project was developed into (8) construction phases. Mechanical design included replacement of the (3) air handling units serving the renovated areas and associated mechanical systems, dedicated cooling systems for MRI and CT spaces, and plumbing and medical gas system modifications.			
(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED	
Bldg. 6901 Boiler System Replacement, Ft Novosel, AL		PROFESSIONAL SERVICES 2025	CONSTRUCTION (If Applicable) 2025
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		☒ Check if performed with current firm	
e. Mechanical Engineer – Replacement of the existing gas-fired boiler to provide heating for the building's air handling units and VAV boxes. The boiler replacement was required based on the existing boiler's end of life, and to provide a new energy-efficient model. The replacement boiler was integrated into the existing building heating water distribution system, which remained.			
(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED	
AHU Replacement and Misc. Mechanical System Upgrades, US Government, CONUS		PROFESSIONAL SERVICES 2018-2019	CONSTRUCTION (If Applicable) 2020
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		☒ Check if performed with current firm	
f. Mechanical Engineer – ADG was the A/E subcontractor to the mechanical contractor for this project, to design the AHU replacement for 3 AHU's, as well as upgrades to the chilled and heating water plants. The chilled water plant design was modified to provide variable flow chilled water to the system, while maintaining minimum flow through the variable speed chillers. The boiler system design was altered to decouple the heating system from the heat recovery chiller. Additional modifications include the design to modify the warehouse pressurization control sequence to correct deficiencies in pressurization due to limits of the systems original configuration as well as some miscellaneous fan coil replacement. The facility is a secure facility, and the upgrades were designed to be as least intrusive as possible to facilitate the work being completed after hours, while the building remained fully operational.			
(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED	
HVAC Systems Upgrade, First and Second Floors, US Government, CONUS		PROFESSIONAL SERVICES 2016	CONSTRUCTION (If Applicable) 2018
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		☒ Check if performed with current firm	
g. Mechanical Engineer – ADG was the A/E subcontractor to the mechanical contractor for this project, to design the HVAC equipment replacement to provide new equipment, revised zoning, increased capacity, and DDC control to the HVAC system. The 1 st and 2 nd floors HVAC systems were replaced, which include the AHUs, terminal units, FCUs, and limited ductwork and piping modifications as needed. The existing main ductwork was utilized since the building remained operational throughout construction, so the AHU's were designed to meet the ventilation and heating demand and cooling as available. The fan coil units were added as needed to provide any additional cooling as the total demand exceeded the AHU's available output through the existing ductwork mains. As the facility is secure, and the upgrades were designed to be as least intrusive as possible to facilitate the work being completed after hours, while the building remained fully operational.			

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
David R. Wissing	Project Manager	a. TOTAL 28	b. WITH CURRENT FIRM 1
15. FIRM NAME AND LOCATION (City and State) Atlantic Design Group, LLC			
16. EDUCATION (DEGREE AND SPECIALIZATION) BS/Civil Engineering		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) - Professional Engineer – MD (29776) exp 01/20/2026; - PMP Project Management Professional (1871182) exp 11/2027	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. David Wissing has more than twenty years of project manager experience. His experience primarily has been on a variety of US Government classified and unclassified, CONUS and OCONUS contracts, providing project management services for SCIF-type facilities, data centers, offices, and miscellaneous Mechanical and Electrical infrastructure upgrades. Mr. Wissing also is a registered Professional Engineering in the state of Maryland (Structural I exam).			
19. RELEVANT PROJECTS			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Maryland Procurement Office (MPO) Facilities Engineering Contract		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
		2025	Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☐ Check if performed with current firm	
a.	Program Manager / Project Manager – IDIQ Contract for MPO providing classified and unclassified design services for both CONUS and OCONUS locations affiliated with MPO. Projects ranged from Master Planning, full Architectural and Engineering Renovations, Construction Administration Support, and Feasibility Studies. Mr. Wissing was responsible for the initial proposal efforts and direct coordination with the client's Project Managers to fully understand requirements, including special security and phasing requirements. Mr. Wissing managed full teams of Master Planners, Architects, Engineers and Construction Inspectors from the project planning phases through the final construction.		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Building 9800C/D Renovation of Cafeteria, Maryland Procurement Office, Ft. Meade, MD		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
		2025	Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☐ Check if performed with current firm	
b.	Project Manager – Project Mr. Wissing was responsible for bringing together a full team of Architects, Engineers, Kitchen Consultants, Interior Designers for the complete renovation of the cafeteria at the Maryland Procurement Office at Fort Meade, MD. Mr. Wissing lead preliminary design meetings to gather customer requirements for the design of the cafeteria and ancillary spaces, had regular interface with the client and end customers throughout the design process through the final Issued for Construction drawings.		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Renovation of Cores 4-2, 4-3, and 6-3, Maryland Procurement Office, Ft. Meade, MD		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
		2021	2023
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☐ Check if performed with current firm	
c.	Mr. Wissing was the overall Project Manager for a team of Architects, Engineers, Master Planners, and Interior Designers to renovate \$160,000 of two large office areas on two floors. The design included full mechanical and electrical infrastructure replacement and the design of two new 24-hour watch centers within the overall footprint. Mr. Wissing led the Master Planners in developing the initial requirements analysis gathering for the various customers which included direct interface with multiple end users and coordinating the final requirements. The design included multiple submissions and reviews with the client and end customers. After design was completed, Mr. Wissing was the manager of the Construction Administrative services through the two-year construction period and managed the submittals and RFIs on behalf of the customer.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
My N. Phan	Architect	23	3

15. FIRM NAME AND LOCATION (City and State)

Atlantic Design Group, LLC

16. EDUCATION (DEGREE AND SPECIALIZATION)

B. Architecture

17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)

- Licensed Architect – MD (15800) exp 06/22/27; VA (0401020494) exp 01/31/26; WV (5893) exp 06/30/2026; DC (ARC40000922) exp 04/30/2026; HI pending
- LEED Accredited Professional

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Ms. My Phan has over 20 years of architectural design experience. Her experience primarily has been on a variety of US Government classified and unclassified, CONUS and OCONUS contracts, providing architectural design services for SCIF-type facilities, data centers, offices, and laboratories. Additional certifications/trainings include American Institute of Architects – Baltimore Chapter Member; National Council of Architectural Registration Boards (NCARB) Certification; and OSHA 10-hour Construction Safety Training. Ms. Phan holds a Top Secret/SCI/Polygraph clearance.

19. RELEVANT PROJECTS

(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
Repair Dental Sterile Processing Department (SPD), Building 559H, Joint Base Pearl Harbor Hickam Air Force Base, Honolulu, Hawaii	\$360K	Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if performed with current firm a. Lead Architect – The project is a complete architectural renovation of a portion of an existing dental clinic that included the demolition of existing interior walls, door and frame assemblies, finishes, and furniture, fixtures and equipment (FEE) throughout the existing Sterile Processing Department suite (that included a Decontamination Room, Sterilization Room, and Sterile Storage) and four (4) Dental Treatment Rooms (DTR). The approximately 1,825 SF space was designed to support a new, larger SPD suite, two (2) DTRs, an office, dedicated mechanical room, medical gas storage room, and single-user toilet room. All new walls, door and frame assemblies, finishes, and FFE were specified in compliance with the UFCs and JBPHH facility standards. The new layout configuration of the SPD suite and DTRs was strategically planned and coordinated in order to maintain a fully functioning SPD suite throughout the entire construction period.		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
Potomac Hall Project, Board of Governors of the Federal Reserve System (FRB), U.S. Customs and Border Protection, Harpers Ferry, West Virginia	\$300K	Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if performed with current firm b. Lead Architect – The project was an interior renovation of two (2) areas within the Potomac Hall building at the Customs and Border Protection (CBP) Training Facility. Area 1 included interior modifications to an approximately 3,000 SF existing SCIF space to support FRB program requirements. The architectural and interior scope included acoustical upgrades to the existing walls and door assemblies, reconfiguration of the open office space with new furniture, and all new interior finishes. Area 2 included converting 7,500 SF of existing open office space into two (2) large training rooms with an operable wall system in between, a kitchenette, five (7) private offices, a small conference room, a small open office and waiting area, three (3) storage rooms, and IT room. A new steel beam was designed to support the operable wall system and its clear span of 51 FT. The addition of the two (2) large training rooms increased the building's occupant load beyond the code-compliant allowable load based on the building's existing plumbing fixture count. Consequently, the scope of work also included the full renovation of the existing men's and women's restrooms to provide twelve (12) single-user toilet rooms to maintain plumbing fixture count compliance. All new furniture and interior finishes were specified based on CBP Standards and to match the		

existing finishes within the building.

(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Renovation Barracks Buildings 3754 and 4053, Fort Campbell, Kentucky		PROFESSIONAL SERVICES \$1.2M	CONSTRUCTION (If Applicable) Ongoing
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☒ Check if performed with current firm	
c.	Lead Architect – Complete renovation of two (2) existing Barracks Buildings 3754 and 4053, including a new barrack unit configurations, an upgrade of finishes, kitchenette casework and appliances, plumbing fixtures and laundry facilities, an addition of glazed curtain wall entrances, and roof repairs of the existing standing seam metal roof system. The roof design incorporates the installation of a retrofit framing system over the existing metal roof, with additional insulation, and new gutters, downspouts, snow guards. The project includes the removal of an existing glazed cupola and design of new roof joists and metal decking to infill the roof opening. .		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Gate 4 Visitor Center, Building A5004, Fort Campbell, Kentucky		PROFESSIONAL SERVICES \$120K	CONSTRUCTION (If Applicable) 2024
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☒ Check if performed with current firm	
d.	Lead Architect – The project included the complete demolition of the existing Visitor Center, including foundation and footings, floor slab, sidewalks, and utilities. A new, larger Visitor Center was designed, slightly shifted further back to meet Anti-Terrorism Force Protection (ATFP) requirements. The new facility was designed to meet ballistic Level V (7.62mm) projectile requirements and minimum blast requirements. The single-story Visitor Center was approximately 1,800 SF that included a waiting area, four (4) guard stations, (3) single-user toilet rooms, detention room, private office, breakroom, and mechanical, electrical and telecommunications support spaces. The design included exterior load bearing CMU walls with a break veneer and pre-engineered roof trusses with a standing seam metal roof. The interior was primarily finished with painted gypsum board walls, suspended acoustical panel ceiling system, and luxury vinyl tile flooring or resinous floor coating. All exterior and interior finishes were specified in compliance with the Fort Campbell Technical Design Guide.		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Building 6901 Roof Replacement, Fort Rucker, Alabama		PROFESSIONAL SERVICES \$150K	CONSTRUCTION (If Applicable) 2024
(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE		☒ Check if performed with current firm	
e.	Supporting Architect – Complete roof replacement for Building 6901, the US Aeromedical Research Laboratory. The building roof is comprised of ten separate levels totaling approximately 105,000 sf. The new roofing system consists of tapered rigid insulation, fiberglass mat gypsum cover board, and a 3-ply modified bituminous system, Soprema Sopralene. The roofing design also included roof drains, roof curbs, expansion joints, roof walkway pads, roof penetrations, flashing and edge conditions, and lightning protection. As Supporting Architect during the construction, my responsibilities include reviewing submittal and responding to contractor RFIs.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
Richard "Dick" Fricker	Lead Mechanical Engineer	a. TOTAL 15	b. WITH CURRENT FIRM 14 months
15. FIRM NAME AND LOCATION (City and State) Atlantic Design Group, Columbia, MD			
16. EDUCATION (DEGREE AND SPECIALIZATION) B.S.C.E, Virginia Tech		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE) Maryland PE, 50333; Washington DC PE, 40002575	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.) Mr. Fricker is a Mechanical Engineer with fifteen years of engineering design experience. He is well versed in performing building load analysis, sizing and selecting HVAC equipment, and designing commercial HVAC systems. Mr. Fricker obtained his Professional Engineering registration in the state of Maryland in December of 2016 and Washington DC in 2025.			
19. RELEVANT PROJECTS			
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Joint Base Pearl Harbor Hickam Sterile Processing Department, Honolulu Hawaii		PROFESSIONAL SERVICES 2024-2025	CONSTRUCTION (If Applicable) Ongoing
a.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if performed with current firm Acted as the lead mechanical engineer for the renovation of a dental sterile processing department. The project included separating the sterile processing department from the existing building HVAC system. Reviewed load calculations, design drawings, the project manual and ensured the project met all DHA and UFC guidelines.		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Naval Reserve Center Boiler Replacement, Cincinnati Ohio		PROFESSIONAL SERVICES 2024-2025	CONSTRUCTION (If Applicable) 2025
b.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if performed with current firm Acted as the lead mechanical engineer for the replacement of two condensing boiler plants and the replacement of a centralized domestic water distribution system. Performed a complete LIDAR scan of the two central plants and provided BIM modeling of the existing conditions. Dictated the design parameters to the senior and junior engineers and coordinated the installation with architectural and electrical disciplines.		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
11600 Springfield Road, Laurel, Maryland		PROFESSIONAL SERVICES 2024	CONSTRUCTION (If Applicable) 2025
c.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if performed with current firm Acted as the lead project engineer for the installation of two (2) new water-cooled chillers for the existing facility located at 11600 Springfield Road in Laurel, Maryland. Worked with the general contractor and mechanical contractor to incorporate the new chillers with the existing building automation system. Provided a revised sequence of operations for an automatic changeover if/when a central plant failure occurs.		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Doctor's Community Hospital, Lanham Maryland		PROFESSIONAL SERVICES 2024	CONSTRUCTION (If Applicable)
d.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☐ Check if performed with current firm Acted as the lead project engineer for the replacement of two (2) medium pressure (100 psi) steam boilers and associated deaerator. Coordinated design drawings with the electrical engineer. Worked with the mechanical contractor to determine all tie-in locations of existing utilities including fuel oil supply/return, natural gas, medium pressure steam, boiler feedwater, and condensate return. Provided permit drawings to Prince George's County.		
(1) TITLE AND LOCATION (City and State)		(2) YEAR COMPLETED	
Architect of the Capitol, Washington, D.C.		PROFESSIONAL SERVICES 2021-2022	CONSTRUCTION (If Applicable)
e.	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☐ Check if performed with current firm Acted as the lead project engineer for a rental boiler installation at the Architect of the Capitol, Capitol Power plant. Coordinated design drawings with the electrical engineer and worked with the mechanical contractor to identify all utility tie-in locations. Utilities included high pressure (200 psi) steam, boiler feedwater, fuel oil supply/return, natural gas, compressed air, and continuous and intermittent boiler blowdown.		

(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED	
Bettera Brands, Manassas Virginia		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
		2020-2021	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		☐ Check if performed with current firm	
f.	Acted as the lead project engineer for a nutraceutical retrofit project in an existing warehouse. Performed load calculations, selected rooftop DOAS and designed ductwork, chilled water systems, and a medium pressure steam system to support the manufacturing processes. Coordinated design drawings with the architect, electrical engineer, owner, and plumbing engineer. Attended virtual meetings throughout the design and construction process.		
(1) TITLE AND LOCATION <i>(City and State)</i>		(2) YEAR COMPLETED	
Miltenyi Biotec, Gaithersburg Maryland		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
		2018	
(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		☐ Check if performed with current firm	
g.	Acted as the lead project engineer for an aseptic processing facility located in Gaithersburg, Maryland. The project involved coordination among multiple disciplines including architectural, structural, electrical, and plumbing. Roles and responsibilities included performing airflow pressurization calculations, heating and cooling load calculations, and determining humidification requirements for multiple ISO 7 and ISO 6 cleanrooms.		

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

(Complete one Section E for each key person.)

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
Glenn Sanford, PE, LEED AP BD+C, PMP	Lead Electrical Engineer	a. TOTAL 19	b. WITH CURRENT FIRM 2
15. FIRM NAME AND LOCATION (City and State)			
Atlantic Design Group, LLC – Columbia, MD			
16. EDUCATION (DEGREE AND SPECIALIZATION)		17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)	
Bachelor of Science, Electrical and Computer Engineering		Professional Engineer, MD, Electrical (54337)	
18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)			

Mr. Sanford has extensive experience designing electrical systems for both new construction and renovations across commercial, industrial, and healthcare facilities. He has contributed to projects for NAVFAC, the U.S. Army Corps of Engineers, NASA, and the Bureau of Overseas Buildings Operations. His expertise includes designing main power feeders, power distribution systems featuring switchboards, switchgear, generators, paralleling gear, UPS systems, lightning protection, grounding, security enhancements, interior and exterior lighting, lighting calculations, and sustainable solutions.

Additionally, Mr. Sanford has designed advanced communication systems, including nurse call, CCTV, fire alarm, and PA systems. He is proficient in conducting coordination studies, short circuit analysis, arc flash evaluations, load flow studies, and voltage drop calculations using industry-standard tools such as SKM and ETAP.

19. RELEVANT PROJECTS			
a.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
	Restore Clinics and Building Systems, Building 6LC (Light Care), Balboa Naval Medical Center San Diego, CA	2025	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if performed with current firm Lead Electrical Engineer: Provide electrical power and lighting design for the renovation of the existing fourth and fifth floors of Building 6LC to accommodate the new Pain Management Clinic and Infectious Disease Department. This also included upgrades to the building's electrical infrastructure to address existing deficiencies and improve overall system performance.		
	CSSG Cooling Tower #3 Replacement Laurel, MD	2025	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if performed with current firm Lead Electrical Engineer: Provided complete removal of the existing disconnect, feeders, and any associated conduit serving the fluid cooler, with feeders demolished back to their source. It was assumed the existing electrical distribution has sufficient capacity to support the new cooling tower, basin heaters, and heat trace. Where feasible, existing electrical equipment was incorporated into the new design, and provided new feeders and VFDs with integral disconnects for the cooling tower fans. All exterior piping will be designed with temperature-controlled heat trace. As-built drawings based on contractor redlines and field verification of existing conditions will be provided.		
	Repair Dental Sterile Processing Department (SPD), 15 th Medical Group Clinic, 755 Scott Circle, Building 559, Joint Base Pearl Harbor Hickam (JBPHH) Air Force Base, Honolulu, HI	2024	Ongoing
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if performed with current firm Lead Electrical Engineer: Provide electrical power and lighting modifications to support the new space layout of an approximately 1,500 SF area. Scope includes power provisions for new equipment replacements, HVAC system upgrades, and connection of select equipment to the emergency power system.		
	Johns Hopkins University Applied Physics Laboratory Building 24 – W360 Renovation Project Laurel, MD	2024	2025
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if performed with current firm Lead Electrical Engineer: Provided lighting and power design for the interior renovation of an approximately 2,100 ft ² secure office suite, supporting the updated layout.		

e.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Johns Hopkins University Applied Physics Laboratory Building 17 – S203 SSA Renovation Laurel, MD	PROFESSIONAL SERVICES 2024	CONSTRUCTION (If Applicable) 2025
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☒ Check if performed with current firm	
	Lead Electrical Engineer: Provided lighting and power design for the interior renovation of an approximately 1,700 ft ² secure office suite, supporting the updated layout.		
f.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Johns Hopkins University Applied Physics Laboratory Building 13 Laurel, MD	PROFESSIONAL SERVICES 2024	CONSTRUCTION (If Applicable) 2025
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☒ Check if performed with current firm	
	Lead Electrical Engineer: Provided lighting and power design for the interior renovation of an approximately 1,300 ft ² secure office suite, supporting the updated layout.		
g.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Board of Governors Potomac Hall Renovation Millville, West Virginia	PROFESSIONAL SERVICES 2024	CONSTRUCTION (If Applicable) 2025
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☒ Check if performed with current firm	
	Lead Electrical Engineer: Implemented lighting modifications to support both normal and emergency egress operations in compliance with life safety requirements. Validated equipment loads on the existing generator and incorporated a UPS per client specifications. Added classified and unclassified power floor boxes to accommodate the updated furniture layout.		
h.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Overseas Building Operations (OBO) Chancery Annex Building Renovation for USAID Densification Kyiv, Ukraine	PROFESSIONAL SERVICES 2024	CONSTRUCTION (If Applicable) n/a
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☒ Check if performed with current firm	
	Lead Electrical Engineer: Responsible for overseeing electrical system upgrades, including increasing receptacle capacity to support workstation loads, IT rack requirements, and HVAC system modifications.		
i.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Joint Base Anacostia – Bolling (JBAB) B168 Area C Washington, DC	PROFESSIONAL SERVICES 2022	CONSTRUCTION (If Applicable) 2022
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☒ Check if performed with current firm	
	Lead Electrical Engineer: Validated existing electrical capacity to support the new layout. Installed power-filters in the new Communication Room to condition all power entering the SCIF. Updated power distribution to accommodate new classified and unclassified power poles, a new CRAC unit, and future communications rack loads. Replaced all lighting fixtures to align with the revised layout.		
j.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Fort Totten Queens, NY	PROFESSIONAL SERVICES 2021	CONSTRUCTION (If Applicable) 2022
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if performed with current firm	
	Senior Electrical Engineer: Led electrical design for the renovation of a three-story, 133,000 ft ² facility, retaining the main switchboard while upgrading most electrical panelboards, transformers, lighting systems, and devices.		
k.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Marine Corps Air Station Building 298 Repair Building Envelope, and Interior Finishes Cherry Point, N.C.	PROFESSIONAL SERVICES 2020	CONSTRUCTION (If Applicable) 2022
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if performed with current firm	
	Senior Electrical Engineer: Directed the full electrical renovation of a two-story, 67,000 ft ² facility (Building 298), which included removing all existing electrical infrastructure back to the utility transformer and installing a new 3,200A, 208/120V main switchboard with modernized power distribution systems.		
l.	(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	Marine Corps Air Station N.C. Building 1016 Repair Building Envelope, and Interior Finishes Cherry Point,	PROFESSIONAL SERVICES 2020	CONSTRUCTION (If Applicable) 2021
	(3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE	☐ Check if performed with current firm	
	Senior Electrical Engineer: Designed the replacement of the main electrical distribution system for a 164,000 ft ² warehouse (Building 1016), including a new main distribution switchboard and bus duct system to deliver power to panelboards throughout the facility.		

Robert R. Milne, P.E., Regional Office Manager – Morgantown, WV



EDUCATION

Master of Science in Civil Engineering, West Virginia University (1999)

Bachelor of Science in Civil Engineering, West Virginia University (1990)

PROFESSIONAL EXPERIENCE

Mr. Milne is the Regional Office Manager for Stahl Sheaffer's West Virginia location. He is responsible for the day-to-day direction of the West Virginia operations including transportation and site/civil design. Mr. Milne has 35 years of experience in the design and management of projects for WVDOH, West Virginia University, WVDNR, City of Morgantown, PennDOT, Pennsylvania Turnpike Commission, and additional state and municipal clients.

Mr. Milne is responsible for monitoring project budgets and project schedules, client/subconsultant coordination, and management of design teams for civil engineering projects. Design duties include drainage improvements, erosion and sediment control permit applications, E&S plans, ADA ramp design, grading plans, roadway and intersection improvements for access roads, shared use path design, security upgrade, safety studies, pavement design, MPT, signing and pavement marking, utility relocation plans (water, sanitary, and utility poles), cost estimating, and bid package contract development. Projects vary in complexity from \$50,000 to \$100M in construction costs. Project management duties include scope of work preparation, client coordination, budget management, supplemental contract writing, site and roadway design, drainage design, agency coordination, public involvement, municipal coordination, traffic studies, environmental documentation, and railroad coordination through rails to trails agreements. Relevant projects include:

- **Central Elementary School Augusta, WV** – Senior Engineer responsible for the construction Administration and oversight of NPDES Modification documents.
- **North Elementary School Slanesville, WV** – Senior Engineer responsible for the construction Administration and oversight of NPDES Modification documents.
- **West Elementary School, Romney, WV** – Senior Engineer responsible for the construction Administration and oversight of NPDES Modification documents.
- **Milton Elementary School, Milton, WV** – Senior Engineer responsible for the construction Administration and oversight of NPDES Modification documents.
- **Moundsville Municipal Building, Moundsville, WV** – Senior Engineer responsible for the construction Administration and oversight of NPDES Modification documents.
- **Covenant Christian School Middle School Addition, Morgantown, WV** – Project Manager responsible for the development of the existing survey using both conventional field surveying techniques and mobile lidar. In addition responsible for the development of the site design documents consisting of an overall site plan, grading plan, stormwater plan, and utility plan for a proposed 66' X 64' New Middle School Addition.

- **University Police Department Relocation, West Virginia University, Morgantown, WV –** Task Manager – Civil Engineering Services. Responsible for project oversight regarding survey and civil engineering tasks for the relocation of the University Police Department at WVU Morgantown. Responsible for upgrading overall perimeter security for the site, which included new security fencing and automatic gates for ingress and egress.
- **Sugar Grove Research Station, Security Fencing and Lighting Project, Sugar Grove, WV –** Project Manager responsible for the development of the construction documents for the installation of 3,570 lineal feet of FE7 security fencing and 2 FE7 security gates.
- **Sugar Grove Research Station, Canopy and Security Barriers Project, Sugar Grove, WV –** Project Manager responsible for the development of the construction documents for the construction of a new main entrance gate and secondary gate.
- **West Virginia University, Evansdale Drive Pedestrian Improvements Transportation Enhancement Project, Morgantown, WV –** Project Manager responsible for providing construction documents to reduce the width of the intersection and re-route a portion of Evansdale Drive to the west. This modification reduced the length and number of pedestrian conflicts with vehicular traffic.
- **West Virginia University Evansdale Drive Intersection Modification Project, Morgantown, WV –** Project Manager responsible for providing construction documents to relocate Evansdale Drive to the north, added a two-lane ingress/egress to the south end of the coliseum parking lot, creating a 4-way intersection.
- **West Virginia University Creative Arts Center Parking Lot Renovations, Morgantown, WV –** Project Manager responsible for the development of construction documents, environmental permitting, and construction oversight to upgrade the Creative Arts Center parking lots from 245 spaces to 362 spaces.
- **West Virginia University Milan Puskar Stadium Renovation Project, Morgantown, WV –** Site Civil Task Lead responsible for the development of the site civil construction documents for this \$65M stadium upgrade project. Project included utility relocations, revised grading for the north gate entry, and landscaping amenities.
- **Rockwool Manufacturing Northport Avenue Extension, Ranson, WV –** Project Manager responsible for the development of construction documents for the 1,400 LF roadway extension to serve the development of the 100-acre Rockwool Manufacturing site.
- **Rockwool Manufacturing Facility, Ranson, WV –** Project Manager responsible for the site/civil design and permitting the development of this 100-acre site.
- **FBI/DEA Flex Ops Facility, Quantico VA –** Project Manager responsible for the development of the construction documents associated with Phase 1 of this project which included the building shell, running track, grading, drainage, and environmental permitting.

CREDENTIALS

Professional Engineer (P.E.):

- WV (#014177) 1999
- PA (#PE061465) 2002

Greg Wilhelm, P.E. – Project Manager



EDUCATION

Bachelor of Science, Civil Engineering-Structural Emphasis, Ohio University (2011)

PROFESSIONAL EXPERIENCE

Mr. Wilhelm is a licensed engineer in Ohio with 13 years of experience in structural engineering design and detailing across a broad spectrum of facility types, building uses, and material types. As a Project Manager for Stahl Sheaffer, he provides expertise for the structural design of building structures in the municipal, education, commercial, recreational, and healthcare markets to various private and public clients. His experience with Revit 3D modeling is used as a vital tool for project coordination between all members of the design team including the owner, architect, and other engineering disciplines. Relevant projects include:

- **Central Elementary School, Hampshire County, WV** – Lead Project Engineer for the structural design of a new 50,000 square foot elementary school consisting of Concrete-Masonry-Unit (CMU) bearing walls and open web steel joists. The building design consisted of an array of differing roof elevations and projections across the building footprint including long-span conditions over the gymnasium and assembly areas.
- **West Elementary School, Hampshire County, WV** – Lead Project Engineer for the structural design of a new 57,000 square foot elementary school consisting of Concrete-Masonry-Unit (CMU) bearing walls and open web steel joists. The building design consisted of an array of differing roof elevations and projections across the building footprint including long-span conditions over the gymnasium and assembly areas.
- **North Elementary School, Hampshire County, WV** – Lead Project Engineer for the structural design of a new 36,000 square foot elementary school consisting of Concrete-Masonry-Unit (CMU) bearing walls and open web steel joists. The building design consisted of an array of differing roof elevations and projections across the building footprint including long-span conditions over the gymnasium and assembly areas.
- **University Police Department Relocation, West Virginia University, Morgantown, WV** – Stahl Sheaffer provided survey, site engineering, structural engineering, and construction administration for the relocation of the University Police Department at WVU Morgantown. Mr. Wilhelm, as the structural engineer, provided evaluation of existing framing for support of new mechanical equipment and potential new weight room, supplemental framing to support new openings for mechanical penetrations, structural infill and realignment for the addition of a restroom where an access floor existed, floor level detailing of ballistic-rated walls, design of a frost-protected entry slab, and additional accommodations for equipment. Stahl Sheaffer coordinated with the Office of the State Fire Marshal (OSFM) to document that the building does not meet a Risk Category IV designation.
- **Ronald McDonald House Additions and Renovations, Morgantown, WV** – Lead structural engineer for the engineering design and detailing of 4,000 square foot 2-story wood-framed addition with basement and egress stair, addition of a new internal elevator, and new entry experience to existing Ronald McDonald House in Morgantown,

WV. Interior renovations along with the anticipated additional square footage will increase the number of guest rooms by 13, almost doubling their current capacity and allowing them to better serve the families impacted by childhood illness.

- **Rolling Hills Park Aquatic Center, Peters Twp, McMurray, PA** – Project engineer for a two-building Aquatic and Event Center with a total square footage of 6,700 square feet as well as an outdoor activity area encompassing three separate pools as well as various outdoor pavilions. The buildings were designed with varying sloped roofs to create an eye-catching building profile as one roof appears out of another. The building frame was constructed of architecturally exposed tubes and cold-formed joists with parts of the structure exposed at the exterior of the building to seamlessly meld the inside and outside areas. Stahl Sheaffer also provided foundation designs for the exterior elements including pool slabs and walls, slide foundations, and all pavilion personal canopies surrounding the pool area. Stahl Sheaffer is a subconsultant to Kimmel-Bogrette Architects for this project.
- **University of Pittsburgh Sutherland Hall Fall Protection, Pittsburgh, PA** – Project Engineer for Fall Protection services in the form of passive handrail protection around all unprotected edges of the roofs at the low commons area roof as well as the two tower roofs. Access ladders were designed and detailed for access at the stairs and elevator towers. Work at the low commons roof also included removal and replacement of existing access ladders that did not meet current OSHA standards. The total roof area of the completed project was 12,500 square feet.
- **University of Pittsburgh Gardner Steel Conference Center Fall Protection, Pittsburgh, PA** – Project Engineer for Fall Protection investigation and design services for the 12,900 square foot roof area of the Gardner Steel Conference center. Services included the design and detailing of roof access ladders for each roof transition for facility maintenance access.
- **University of Pittsburgh Fitzgerald Fieldhouse Fall Protection, Pittsburgh, PA** – Project Engineer for Fall Protection investigation and design services for the 7,800 square foot roof area of the Fitzgerald Fieldhouse. The project consisted of removal of existing wood framed platforms that were not OSHA compliant and replaced with new steel framed access ladders and steel platform for access of roof top mechanical units. Passive fall protection in the form of wall mounted handrails were detailed and designed at the northern low roof to provide full protection of the entire roof area.
- **University of Pittsburgh Johnstown Fall Protection Assessments, Johnstown, PA** – Project Engineer for field investigation of 3 buildings (McKenna Hall, Biddle Hall, and Pasquerilla Performing Arts Center) for possible fall protection concerns and developed schematic layouts for consideration.

CREDENTIALS

- Professional Engineer (P.E.):
 - WV (#25499) 2022
 - PA (#PE089472) 2019
 - OH (#PE82934) 2017

E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS OF EXPERIENCE	
		a. TOTAL	b. WITH CURRENT FIRM
Mark J. Aaby, PE	Fire Protection Engineer	28	4

15. FIRM NAME AND LOCATION (City and State)
Aaby Fire Protection Engineering Fort Mill, SC

16. EDUCATION (DEGREE AND SPECIALIZATION)	17. CURRENT PROFESSIONAL REGISTRATION (STATE AND DISCIPLINE)
M.Eng, Fire Protection Engineering (University of Maryland) BS, Fire Protection Engineering (University of Maryland)	Professional Engineer: SC (31779); MD (28589); DC (PE909243); DE (12377); NC (048999); GA (PE046506); CO (PE.0043602); WV (027050)

18. OTHER PROFESSIONAL QUALIFICATIONS (Publications, Organizations, Training, Awards, etc.)

Mark Aaby is a licensed fire protection engineer with 28 years of experience. He is experienced in all types of fire protection systems design, testing, and analysis. He has several years' experience conducting fire protection and life safety surveys. He has coordinated fire protection and life safety systems with building features and has developed cost-effective alternatives during the design development process. Mark has served as the Registered Fire Protection Engineering on several Federal Government and school projects and has over 20 years' experience managing personnel and engineering projects. He is responsible for the fire protection team's performance, client satisfaction, professional development, technical assistance, adhering to company policies, problem resolution, and leadership.

19. RELEVANT PROJECTS		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
Board of Governors, Potomac Hall Project, CBP Training Facility, West Virginia	2023	Ongoing
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if performed with current firm		
a. Conducted a fire protection system and life safety survey and analysis of existing building. Performed comprehensive fire protection and life safety design services, evaluated existing sprinkler system and fire alarm systems, produced construction design documents for fire protection systems, reviewed contractor's fire protection and alarm shop drawing submittals and calculations.		
(1) TITLE AND LOCATION (City and State)	(2) YEAR COMPLETED	
	PROFESSIONAL SERVICES	CONSTRUCTION (If Applicable)
Board of Governors, Building 12 Potomac Hall Annex, West Virginia	2023	Ongoing
3) BRIEF DESCRIPTION (Brief scope, size, cost, etc.) AND SPECIFIC ROLE ☒ Check if performed with current firm		
b. Provide design and code consulting services for building renovation. Conducted a fire protection system and life safety survey and analysis, provided fire protection and life safety design services, sprinkler system hydraulic analysis and calculations, evaluated existing sprinkler system and fire alarm systems, produced construction design documents for fire protection systems, reviewed contractor's fire protection and alarm shop drawing submittals and calculations.		

(1) TITLE AND LOCATION (<i>City and State</i>)	(2) YEAR COMPLETED	
HVAC Systemic Renovations, Lindale Middle School, Linthicum, Maryland	PROFESSIONAL SERVICES 2022	CONSTRUCTION (If Applicable) 2025
(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE	☒ Check if performed with current firm	
c. Provide design and code consulting for a systemic HVAC system replacement project. Performed fire protection system survey and analysis, conducted hydrant water supply test, developed fire protection system hydraulic analysis, designed new fire pump, and developed sprinkler system shop drawings that illustrated the required modifications to accommodate the new HVAC systems. Performed fire protection and alarm shop drawing reviews and punch-list surveys of sprinkler, fire pump and fire alarm systems. Witnessed fire protection system acceptance testing.		

(1) TITLE AND LOCATION (<i>City and State</i>)	(2) YEAR COMPLETED	
UPS System Upgrade, Building 301 Sugar Grove, West Virginia	PROFESSIONAL SERVICES 2021	CONSTRUCTION (If Applicable) 2024
(3) BRIEF DESCRIPTION (<i>Brief scope, size, cost, etc.</i>) AND SPECIFIC ROLE	☒ Check if performed with current firm	
d. Qualified Fire Protection Engineer for the removal of UPS 1 and 2 and consolidate their loads to UPS 3 and 5, at an existing three-story building. Providing comprehensive fire protection and life safety design services, using all applicable UFC, FC, and NFPA Codes and Standards for life safety, sprinkler, fire pump, fire protection water supply, and combination fire alarm and mass notification systems. Design of new single interlock preaction sprinkler system for the consolidated UPS and battery room spaces. A cabinet enclosed preaction valve and nitrogen generation system is being provided. Providing on-going fire protection construction administration		



SKA STUDIO

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Annapolis, MD 21401
301-858-5853
skastudio.com



BENJAMIN DORSEY, AIA, LEED AP
Senior Associate and Senior Project Manager

EDUCATION

Philadelphia University, Bachelor of Arts in Architecture, 2002

WORK

2013 – PRESENT Steven Kahle Architects, Inc (SKA Studio)
2002 – 2012 WGM Architects

ACCREDITATION

Registered Architect : Maryland
American Institute of Architects; NCARB Certification; LEED Professional Accreditation, US Green Building Council

RECOGNITION

2019 NAIOP Award of Merit, MITRE Mainstreet
2017 NAIOP Award of Merit, MITRE 4 Building
2017 NAIOP Award of Excellence, The Percolator
2017 AIA Chesapeake Bay, Honor Award, MITRE 4 Building
2013 AIA Chesapeake Bay Design Award, Anne Arundel County Central Sanitation Administration Building
2012 AIA Chesapeake Bay Citation Award, Firemark, LCC
2010 Historic Annapolis Foundation Inc. Restoration/Rehabilitation Award, Independent Fire Station
2009 AIA Chesapeake Bay Honor Award, John Dennis Murray Arts Building, Annmarie Garden
2009 Construction Magazine Building of the Year Finalist, John Dennis Murray Arts Building, Annemarie Garden

PROJECT EXPERIENCE: THE MITRE CORPORATION

The MITRE Corporation – Building 1 Interior Improvements, McLean, VA
The MITRE Corporation – Building 4, McLean, VA, 340,000 sf; and parking garage
The MITRE Corporation – Building 5, McLean, VA, 300,000 sf; and parking garage
The MITRE Corporation - Bedford M-Building P410 space and 3K Lab

MITRE Mainstreet, Campus Amenity Spaces, McLean, VA, 74,600 sf
Cafeteria; Fitness Center; MITRE Institute; Percolator and PERKS Coffee Shops

The MITRE Corporation – AM&E Term Contract, 2004 to Present, McLean
Campus Projects including: SEAL Lab; CAASD Restack; M3 6th Floor; AIA Lab; M2 Second Floor NexGen; M1 Nano-Bio Lab Improvements; M2 Advanced Materials Lab; M1 LL Frontier Lab Facility; Campus Wayfinding; EAP Plans; and Drawings Standards

The MITRE Corporation – AM&E Term Contract, 2004 to Present, Domestic Site
Projects including: Baltimore 44,500 sf

**PROJECT EXPERIENCE:
COMMERCIAL**

Acram Group, Quantico Corporate Center Amenity Spaces, Quantico, VA
Brussel Law Office, Interior Build-out, Annapolis, MD
Cyber Security Center of Excellence, Office Building, Quantico, VA, 30,000 sf
Firemark, LLC, Office Building, Millersville, MD
Freestate Cooperage, Barrel Manufacturing Facility, McHenry, MD
Independent Fire Station – Annapolis, MD
John Dennis Murray Arts Building, Annemarie Gardens, Solomons, MD
Robotic Research LLC, Office, Research, & Testing Facility, Clarksburg, MD 40,000 sf
Trident Engineering, Office Interiors, Annapolis, MD
Zeid Medical Office Building, Longview, TX, 60,000 sf

**PROJECT EXPERIENCE:
RETAIL**

SPORT & HEALTH CLUBS – Multiple Renovation/Improvement projects (MD&VA)
BB&T Bank – Annapolis, MD
The Aspen Hill Club, Fitness Center Improvements, Silver Spring, MD

**PROJECT EXPERIENCE:
GOVERNMENT**

GSA - Census Headquarters Building Structural Repairs, Suitland, MD
GSA - Department of Energy Waterproofing Renovations, Washington, DC
GSA - FDA Open Workstation Conversions, Silver Spring, MD
GSA - Herbert Hoover Building Waterproofing Renovations, Washington, DC
GSA - Hubert Humphrey Building Feasibility Study, HHS Headquarters, 1,000,000 sf
GSA - ICE MACRO Program of Requirements, 45,000 sf
GSA - DOI National Park Service Space Planning and Consolidation, 173,000 sf
GSA - Office of National Drug Control Policy, MICRO POR, 41,000 sf
GSA - Ronald Reagan Building Kitchen Renovation, 12,000 sf
GSA - Treasury Department MACRO Program of Requirements, Washington, DC
GSA - Main Treasury MACRO Program of Requirements, Washington, DC
GSA - US Geological Survey - Lake Erie Biological Station, Huron OH, 6,000 sf
GSA - Federal Highway Administration Idaho Falls Offices, Idaho Falls, 5,000 sf
GSA - HS/ICE Facility, Office, Labs, and Detention Facility, Idaho Falls, ID

Central Sanitation Administration Building - Millersville, MD
Central Sanitation Material & Vehicle Storage Buildings - Millersville, MD

Anne Arundel County Fire Department - Multiple projects including:
Annapolis Neck Fire Station - Annapolis, MD
Marley Fire Station - Glen Burnie, MD

Anne Arundel County Police Department – Multiple projects including:
Western District Police Station Addition - Odenton, MD
Eastern District Police Station - Pasadena, MD
K-9 Training Facility - Millersville, MD
Property Management Facility - Millersville, MD

**PROJECT EXPERIENCE:
EDUCATION**

Chesapeake Bay Environmental Center – Grasonville, MD
Kinder Farm Park – Millersville, MD
Hammer Hill Early Learning Center, New Construction, Clarksburg, MD, 13,500 sf
The Learning Experience. Pre-School, Adaptive Reuse, Laurel, MD, 12,500 sf
Severna Park Elementary School –Severna Park, MD



SKA STUDIO

Steven Kahle Architects, Inc.
47 Randall Street #2
Annapolis, MD 21401
301-858-5853
skastudio.com



STEVEN KAHLE, AIA, NCARB
President, Project Principal

EDUCATION

Yale University, Master of Architecture, 1990
University of Maryland, Master of Business Administration, 1997
Washington University, Bachelor of Science, Architecture, 1987

WORK

2004 – PRESENT Steven Kahle Architects, Inc (SKA Studio)
1992 – 2004 Ai (now Perkins + Will), Washington DC

ACCREDITATION

NCARB Certification; Registered Architect: Alabama, Alaska, Arizona, Arkansas, Colorado, Delaware, District of Columbia, Florida, Georgia, Hawaii, Idaho, Illinois, Maryland, Massachusetts, Michigan, New Jersey, New Mexico, New York, North Carolina, Ohio, Pennsylvania, South Carolina, Texas, Utah, Virginia, Washington, West Virginia, Wisconsin

PROFESSIONAL AFFILIATIONS

American Institute of Architects
2011 AIA Maryland President
2007 President AIA Chesapeake Bay Chapter
2010 - 2022 The Key School – Board of Trustees

RECOGNITION

2019 NAIOP Award of Merit, MITRE Mainstreet
2017 NAIOP Award of Merit, MITRE 4 Building
2017 NAIOP Award of Excellence, The Percolator
2017 AIA Chesapeake Bay, Honor Award, MITRE 4 Building
2016 AIA Chesapeake Bay, Merit Award, 3 Bean Coffee
2016 WBC Craftsmanship Award Best Glass Wall Systems - MITRE 4, McLean, VA
2015 American Tilt-Up Concrete Association Achievement Award - Curtiss Wright
2013 Idaho Business review Top Projects, Second Place, Private Category, Curtiss Wright Flow Control Company's Sciencetech Bldg
2011 AIA Chesapeake Bay, Merit Award, ADG Creative
2008 AIA Chesapeake Bay, Merit Award, Varuna SalonSpa
2006 NAIOP Best Building, High-rise, Award of Excellence, FDIC Phase 2 Virginia Sq
2005 NAIOP Best Building, Mid-rise, Award of Excellence, MITRE 3 & Bridge
2003 AIA DC - Presidential Citation for Sustainable Design – Capital One
2003 NAIOP Best Bldg: Build-to-Suit 150K SF+, Award of Excellence, Capital One
2003 Fairfax County Exceptional Design Honor Award, Capital One Headquarters
2003 American Concrete Institute Award of Excellence, Capital One Parking Garage
2003 WBC 47th Craftsmanship Award, Best Doors and Windows, MITRE 3 Building
2002 Fairfax County Exceptional Design Merit Award, MITRE 2 Building
2001 NAIOP Best New Bldg: Build-to-Suit 150K SF+, Award of Excellence, MITRE 2
2001 NAIOP Best New Bldg: Build-to-Suit 150K SF+, Merit Award, Orbital Sciences
2000 AIA Northern Virginia, Merit Award, Boeing Eastern Regional Headquarters
2000 WBC 44th Craftsmanship Award, Best Metals, AOL Creative Center 2

**PROJECT EXPERIENCE:
THE MITRE CORPORATION**

The MITRE Corporation - Offices and Labs, Clarksburg, WV
The MITRE Corporation - Building 1 Renovation, McLean, VA, 300,000 sf
The MITRE Corporation - Building 2, McLean, VA, 310,000 sf; and parking garage
The MITRE Corporation - Building 3, McLean, VA, 240,000 sf; and parking garage
The MITRE Corporation - Building 4, McLean, VA, 340,000 sf; and parking garage
The MITRE Corporation - Building 5, McLean, VA, 300,000 sf; and parking garage
The MITRE Corporation - Pedestrian Bridge
The MITRE Corporation - Bedford M-Building P410 space and 3K Lab
The MITRE Corporation - AM&E Term Contract, 2004 to Present, McLean
Campus, 300+ Projects including: CAASD ATM Lab; SEAL Lab; Cafeteria; Fitness Center; Percolator and PERKS Coffee Shops; M3 - Second, Third, Fourth, and Sixth Floors; M3 RCDF Stacks; and M1 Courtyards
The MITRE Corporation - AM&E Term Contract, 2004 to Present, Domestic Site
200 + Projects including: Chantilly, 16,000 sf; Quantico, 26,000 sf; Ft Meade, 55,000 sf; Aberdeen 50,000 sf; Colorado Springs 20,500 sf; San Antonio 11,200 sf; Baltimore 44,500 sf; Charlottesville, VA; Lexington Park, MD; Picatinny, NJ; Ft Monmouth (Eatontown), NJ; San Diego, CA; Hampton Roads, VA; Capital Gallery, DC; Tampa, FL; Scott, IL; Huntsville, AL; Wright-Patterson, OH; Eglin, FL; Clarksburg, WV; Arlington, VA; Huntsville, AL, 27,000 sf; Singapore, and Australia.

**PROJECT EXPERIENCE:
GOVERNMENT**

Export Import Bank - Interior office improvements, Washington, DC
Federal Deposit Insurance Corp. - Virginia Square Ph.2, Arlington, VA, 405,000 sf
Federal Deposit Insurance Corp. - Headquarters renovations, Washington, DC
GSA - FDA Open Workstation Conversions, Silver Spring, MD
GSA - Herbert Hoover Building Waterproofing Renovations, Washington, DC
GSA - Treasury Department Macro Program of Requirements, Washington, DC
GSA - Department of Energy Waterproofing Renovations, Washington, DC
GSA - Hubert Humphrey Building Feasibility Study, HHS Headquarters, 1,000,000 sf
GSA - DOI National Park Service Space Planning and Consolidation, 173,000 sf
GSA - Ronald Reagan Building Kitchen Renovation, 12,000 sf
GSA - US Geological Survey - Lake Erie Biological Station, Huron OH, 6,000 sf
GSA - Federal Highway Administration Idaho Falls Offices, Idaho Falls, 5,000 sf
GSA - HS/ICE Facility, Office, Labs, and Detention Facility, Idaho Falls, ID
Navy EOD Technical Support Facility - Building Addition, Indian Head MD
NAVFAC Firehouse - New Fire Station for the Navy, Indian Head, MD

**PROJECT EXPERIENCE:
COMMERCIAL**

9750 Godwin Drive Office Building, Manassas, VA 25,000 sf
ADG Creative - Commercial Interiors, Columbia, MD, 23,000 sf
America Online - Creative Center 2, Dulles, VA, 230,000 sf
American Cyber League - Commercial Interiors, Quantico, VA 10,000 sf
The Boeing Company - Headquarters Renovation, Washington, DC, 150,000 sf
Capital One Financial - Headquarters Campus, Phase I, McLean, VA, 580,000 sf
Curtiss-Wright Nuclear Power Division Building, Idaho Falls, ID, 112,000sf
Curtiss-Wright Nuclear Power Division, 2 Buildings, Huntsville, AL,
Cyber Security Center of Excellence, Office Building, Quantico, VA, 30,000 sf
Digital Cloak - Lab facility, Quantico, VA
Freestate Cooperage, Barrel Manufacturing Facility, McHenry, MD
The Heinz Family Office & Heinz Family Foundation - Interiors, Washington, DC
INSCAPE Furniture, Commercial Furniture Showroom, Washington, DC
INSCAPE Furniture, Commercial Furniture Showroom, Chicago, IL
Acrum Group, Quantico Corporate Center Amenity Spaces, Quantico, VA
Marine Corp Systems Command - Commercial Interiors, Quantico, VA, 19,200 sf
ManTech Center for Technology - Commercial Interiors, Quantico, VA, 16,000sf
Mind Align - Wellness Facility, Bethesda, MD
Navy Yard Metro Center - Speculative Office Building, Washington, DC, 305,000 sf
Orbital Sciences Corp. - Headquarters, 3 new buildings, Loudoun, VA, 500,000 sf
The QUBE - Advance Data Analytics Science Center, Quantico, VA 75,000 sf

**PROJECT EXPERIENCE:
MASTER PLANNING**

Raytheon - Office and lab facility, Arlington, VA
Skyline Technology Solutions - Corporate Offices & NOC, Glen Burnie, MD, 25,000 sf
YYOTTA - R&D Office Building - Quantico, VA, 40,000 sf
Zeid Medical Office Building - Longview, TX, 60,000 sf

Valley View Resort Master planning and Improvements, Canaan Valley, WV
America Online - Site Master Planning, Dulles, VA, 2.2 million sf
Blair Towers - Mixed-Use Development Master Plan, Silver Spring, MD
Broad Run - Master Plan for Office and Flex Industrial, Loudoun, VA
Burns Corner - Mixed-use Development Master Plan, Stafford, VA
Capital One Financial Corporation - Campus Master Plan, McLean, VA, 1.1 million sf
Columbia Country Club - Master Planning, Chevy Chase, MD, 60,000 sf
Curtiss Wright - Snake River landing Site, Idaho Falls, ID
Federal Deposit Insurance Corporation - VA Square Expansion, Arlington, VA
Fort Meade - Concept Master Plan, Fort Meade, MD
The MITRE Corporation - Master Planning, McLean, VA 2.2 million sf

**PROJECT EXPERIENCE:
PARKING GARAGES**

Camp Allen Parking Garage - Navy Base, Norfolk, VA
George Mason University - Parking Deck 2, Fairfax Virginia
James Madison University - Warsaw Avenue Parking Deck, Harrisonburg, VA
MITRE 4 Building - Below Grade Parking, McLean, VA
MITRE 5 Building - Below Grade Parking, McLean, VA
Newport News Parking Garage - Navy development, Newport News, VA
Old Dominion University - Village North Parking Structure, Norfolk, VA
The University of Virginia - Emmet Street Parking Garage, Charlottesville, VA
The University of Virginia - Culbreth Road Parking Garage, Charlottesville, VA

**PROJECT EXPERIENCE:
RETAIL**

3 Bean Coffee, Baltimore, MD
All-American Steakhouse and Sports Theater - Multiple locations, 6,800 sf -
(Manassas, VA; Odenton, MD; Ellicott City, MD; Aberdeen, MD; Springdale, AR)
The Aspen Hill Club Fitness Center Renovations, Silver Spring, MD
The Bird - Restaurant, Washington, DC
Cyber Bytes Coffee shop - Quantico, VA
The End Point Cafe - Quantico, VA
El Patron Restaurant - 9,000 sf new building - Fredericksburg VA
HSBC Bank - Prototype Bank Branches, tenant and new building concept
Hudson Fouquet Salon, Arnold, MD
The Heights - Restaurant (Tavern/Grille) - Washington, DC
Logan Tavern Expansion - Restaurant, Washington, DC
The Meadows Franchise Systems - Prototype Restaurant Buildings
The Pig - Restaurant, Washington, DC
NAVA Health Centers, Multiple Locations, MD, VA, DC, MA, NC, NJ, FL, TX, PA
Royal Blue Bistro - Restaurant, Washington, DC
SPORT & HEALTH CLUBS - Multiple Renovation/Improvement projects (MD&VA)
Varuna Salon-Spa, Annapolis, MD

**PROJECT EXPERIENCE:
EDUCATIONAL**

Chesapeake Bay Environmental Center - Education Building, Grasonville, MD
Holton-Arms School - Dining Building Renovations, Bethesda, MD
Holton-Arms School - Administration Building Renovations, Bethesda, MD
The Key School - Pre-school Renovations, Annapolis, MD
The Key School - Gateway Building, Annapolis, MD
Hammer Hill Early Learning Center, Clarksburg, MD, 13,500 sf
The Learning Experience Early Learning Center, Laurel, MD
Quantico Cyber Hub Cyber Academy, Quantico, VA, 7,500 sf
University of Maryland University College, Quantico, VA
The U.S. Naval Academy - Academic Realignment, Annapolis, MD
The U.S. Naval Academy - Student Services Center Concept Design, Annapolis, MD

Allan Shad

Lead Estimator

Education

BS, Building Construction,
University of Florida, 1982

Certificate in Graduate
Studies for Historic
Preservation, Goucher
College, 2002

Professional Associations

Member, Construction
Management Association of
America (CMAA)

Background

Mr. Shad has 42 years of experience as an advanced estimator in commercial construction and 34 years of experience performing construction management services. His expertise includes cost estimating, budgeting, contract writing, negotiations for various projects and markets, purchasing, and project management. Mr. Shad understands the financial and logistical aspects of construction and leverages that knowledge and experience to develop comprehensive, organized, and fair market cost estimates.

Relevant Experience

West Virginia University, Reedsville Farm, Morgantown, WV: As Cost Estimator, led and developed an independent cost estimate for the design document phase of the project. The project involved the redevelopment of the Hazel Ruby McQuain Equine Education and Research Center. The project included the construction of a new education center, a multi-purpose building, an outdoor arena/lunging pens, along with parking, landscaping, hardscaping, and road improvements.

West Virginia University, Dentistry Spatial, Morgantown, WV: As Project Manager and Cost Estimator, provided a written report and cost estimate for the selected conceptual design concept for the full systemic renovation within designated areas of the ground and first floors of the existing WVU College of Dentistry facility. The renovations will provide reception/waiting areas, main clinic spaces, oral surgery facilities, diagnostic services, a laboratory, general dentistry areas, offices, and associated processing spaces. The proposed construction work is expected to be performed in multiple phases to ensure that the adjoining spaces can continue to be occupied and remain fully accessible. The project included cost estimating services for the WVU School of Dentistry. The School of Dentistry underwent a comprehensive renovation of designated areas on the ground and first floors of the existing facility. This renovation provided a reception and waiting area, a main clinic, an ortho clinic, an oral surgery suite, diagnostics, a laboratory, general dentistry, pediatric dentistry, dental offices, and other associated processing spaces for use within the School of Dentistry. The construction work was performed in multiple phases to ensure that the adjoining spaces could continue to be occupied and fully accessible.

West Virginia University, New Business and Economics Building, Morgantown, WV: As Senior Cost Estimator and part of a team effort, provided conceptual cost estimates for the construction of a new facility, the School of Business, an adjacent student Residence building, and associated support services. The new College of Business and Economics complex at West Virginia University comprised a total of approximately 367,934 square feet of new construction, which included a 207,267-square-foot educational building connected to an 87,500-square-foot new residential facility, with both structures being integrated by 56,500 square feet of recreation space and a 16,667-square-foot food and retail area. The

educational facility comprised six floors of classrooms, academic centers, computer labs, and collaboration spaces, all arranged around a central atrium. Additionally, it featured a 300-seat, double-height, tiered lecture hall. The new residential building, on the other hand, consisted of 10 stories of suites and traditional dormitories, accommodating 250 students. The central atrium served as the primary gathering and event venue, and the active "front porch" area provided views of the Monongahela River, allowing natural daylight to enter the complex. Finally, the base of the building featured public spaces that connected to campus via a pedestrian walkway, linking the existing PRT Station to new outdoor terraces. This created an intersection between the campus and the river, serving as a public gathering space.

University of Maryland, Baltimore, Health Science Facility 3, Baltimore, MD: As Senior Cost Estimator, provided review of Contractor backup documents for general errors, proper hourly rates, and correct documentation in accordance with UMB requirements. Processed Change Notices for approval and final authorizations. The project involved the construction of a 439,000-square-foot, 10-story biomedical research facility, the largest building on the UMB campus. The facility provides both laboratory space and new technology for the Schools of Medicine, Pharmacy, and Dentistry. The unique design features two towers separated by a 6-story atrium, with bridges spanning between them. The project also earned a LEED-NC Gold Certification. This facility features an MRI suite, a nanomedicine and synthetic chemistry suite, a class 10,000 cleanroom, and a vivarium. The project was constructed under a fast-track, CM at Risk delivery method, with the issuance of multiple bid packages and funded through multiple sources.

Loudoun County, Hal & Berni Hanson Regional Park, Arcola, VA: As Senior Estimator, provide support reviewing contractor pending change orders, including developing independent cost estimates, reviewing and analyzing contractor labor, material, equipment, and subcontractor documentation. Hal & Berni Hanson Regional Park is the largest park in Loudoun County, spanning approximately 257 acres. The park features 17 lighted athletic fields, 75 acres of passive recreational space, a nature center, lodge, park office, maintenance facilities, picnic shelters, a renovated historical building (Hanson House), restrooms with concessions, a handicapped-accessible playground, five athletic court facilities, two playgrounds, two dog parks, a splash pad, a skate plaza, and numerous pathways. The site is bisected by Route 621 (Evergreen Mills Road) and includes four park entrances—three on Evergreen Mills Road and one on Creighton Road—with a new traffic signal at the main entrance aligned with Founders Drive. The project also includes a park roadway network, parking areas, site utilities (power, communications, water, and sewer), and an extensive stormwater management system with six ponds across the site.



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Firm Contact Information:

- **Firm Name:** Atlantic Design Group, LLC
- **Firm Role:** Designer of Record
- **Primary Contact:** Matt Alexander
- **Address:** 10716 Little Patuxent Pkwy, Columbia, MD 21044
- **Phone Number:** 410.884.9610
- **Email:** matthew.alexander@adesigngroup.net

- **Firm Name:** Stahl Sheaffer Engineering, Inc.
- **Firm Role:** Structural and Civil Engineering
- **Primary Contact:** Rob Milne, PE
- **Address:** 250 Lakewood Center, Morgantown, WV 26508
- **Phone Number:** 304.692.9176
- **Email:** rmilne@stahlsheaffer.com

- **Firm Name:** SKA Studio
- **Firm Role:** Architecture; Educational Facility Planner
- **Primary Contact:** Ben Dorsey
- **Address:** 47 Randall Street, Suite 2, Annapolis, MD 21401
- **Phone Number:** 443.808.7387
- **Email:** bdorsey@skastudio.com

- **Firm Name:** Aaby Fire Protection Engineering, LLC
- **Firm Role:** Life Safety Analysis, Sprinkler and Fire Alarm
- **Primary Contact:** Mark Aaby
- **Address:** 905 Cobbled Way, Fort Mill, SC 29715
- **Phone Number:** 240.354.7059
- **Email:** maaby@aabyfpe.com

- **Firm Name:** MBP
- **Firm Role:** Cost Estimating
- **Primary Contact:** Nicole Johnson
- **Address:** 2600 Park Tower Drive, Suite 801, Vienna, VA 22180
- **Phone Number:** 703.641.9088
- **Email:** njohnson@mbpce.com



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Past Project Examples, including Client References:

Requested Information	Response
Name of Building/Project	Board of Governors Potomac Hall Project, Millville, West Virginia
Dates Work Performed	09/2023 – Ongoing
A/E Design Services	\$393,442
ADG PM	My Phan
Client PM & Contact Info	Christopher Haulsey (FRB); 202.355.2645
Description	This project is a design-build project to renovate two (2) areas within the Potomac Hall building at the Customs and Border Protection Training Facility, and outfitting Building 12 Annex Building to function as a transition space. Area 1 included modifications of an approximately 3,000sf existing SCIF space to support FRB training requirements. The goal was to enhance security, functionality, and compliance of ICD 705 standards. Upgrades and modifications to the electrical, telecom and audio visual (AV) infrastructure were done to accommodate FRB requirements. Area 2 involved renovation of a 7,500sf space on the second floor, comprising four distinct wings: east, southeast, southwest, and west. The scope encompassed architectural, fire protection, fire alarm, mechanical, plumbing, and electrical systems. ADG worked with FRB and CBP representatives to develop a number of layout options for the Area 2 design to fully incorporate both their program requirements. A transition space was designed to support the ongoing operations of the staff, which involved modifying an 890sf space in the Potomac Hall Annex. The building's utilities, including mechanical, electrical, and fire protection, were modified to allow installation of a prefabricated modular office. The project was executed as a design-build project, and ADG provided design and construction administration services. Both Stahl Sheaffer Engineering and Aaby Fire Protection Engineering were subconsultants supporting ADG for this project.



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Past Project Examples, including Client References: (con't)

Requested Information	Response
Name of Building/Project	Design Build Renovation Barracks B4053 Fort Campbell, Kentucky
Dates Work Performed	09/2023 – 07/2025
A/E Design Services	\$516,181
ADG PM	Matt Alexander
Client PM & Contact Info	David Boyd (FSI); 270.305.4893
Description	ADG served as the DOR for this project to completely renovate the B4053 Barracks, which is a three-story, three-module structure. The renovation includes architectural, mechanical, electrical, and fire protection work to support the renovation of the Barracks. Exterior renovations include a new curtainwall entrance system designed to meet client blast requirements, as well as site improvements to address ongoing moisture issues, replacement of exterior doors, and installation of roof hugger system over existing roof. Layout modifications align with ABA Standards. Complete interior renovations include new MEP systems, replacement of all interior doors, and sprinkler and fire alarm replacements to align with current code requirements. The project was executed as a design-build project, and ADG provided design and construction administration services. Aaby Fire Protection Engineering was the life safety, fire sprinkler, and fire alarm system designer supporting ADG for this project.

Requested Information	Response
Name of Building/Project	Repair by Replacement Building 6901 Roof, USAARL, Ft. Rucker, AL
Dates Work Performed	09/2022 – 07/2025
A/E Design Services	\$145,118
ADG PM	My Phan
Client PM & Contact Info	John Shirley, PE (USACE PM; 251.694.3608)
Description	ADG served as DOR for the complete roof replacement at Building 6901, which included 10 separate roof levels and covered approx. 105,000sf. There were 3 primary roof deck conditions (corrugated metal, concrete, and pre-engineered building with insulated metal panels), each of which required a specific roof system and detailing. The goal of the project was to design a complete roof replacement, with the roofs complying with current energy codes and providing a 20-year warranty. The project was executed as a design-build project, and ADG provided design and construction administration services.



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Past Project Examples, including Client References: (con't)

Requested Information	Response
Name of Building/Project	HVAC System Upgrades – Multiple Projects, Building B, Laurel, MD
Dates Work Performed	09/2016 – Ongoing
A/E Design Services	\$431,587
ADG PM	Matt Alexander
Client PM & Contact Info	Joe Klapka; 443.805.4954
Description	ADG served as DOR for multiple mechanical system upgrade projects at a USG facility in Laurel, MD. The intent of the first HVAC Upgrade design-build project was to replace the HVAC equipment on the 1st and 2nd floors of Building B, approximately 37kSF per floor. The existing issues included insufficient cooling and zoning issues that resulted from reconfiguration of the space over the years. The HVAC equipment replaced includes air handling units, VAV and fan powered VAV boxes, and fan coil units. The HVAC system was required to provide 10% additional capacity and outside air to support future flexibility. The controls were replaced with a new DDC system integrated into the building automation system (BAS). For another project, ADG provided design services to modify various systems and equipment. Three AHU's replacements were designed to replace the existing units with new units designed to meet current space requirements plus additional capacity for future growth. The heating water system was designed to be decoupled from the heat recovery chiller to accomplish several key objectives, including providing higher heating water temperatures and support year-round cooling. The chilled water system was designed to operate as a variable-primary system, with the addition of 2-way control valves, updated control sequences, and a buffer tank to maintain minimum flow. The refrigerant purge system was upgraded, including a new refrigerant monitoring control panel, refrigerant sensors, and notifying light towers as required per ASHRAE 15 and a replacement exhaust fan. The warehouse pressurization was corrected by updating the control strategy of the existing equipment, to ensure the warehouse remains slightly positive with respect to the exterior at all conditions. Another project provided a design for a new cooling tower to support chiller #3, with new foundation adjacent to an existing retaining wall. Stahl Sheaffer Engineering was the structural engineer supporting ADG for this project.



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Thank you for your consideration for this Expression of Interest for the Campus and Security Upgrades. If there are any questions regarding our capabilities, please let us know.

Sincerely,

Matt Alexander, P.E.
Vice President – Design
Atlantic Design Group, LLC