



Letter of Transmittal

11/9/2016

TO: Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305

Project:
Masonry Restoration
BHS 1700000001

Atten: Jessica Chambers

Sending Via:
UPS

Subj: Expression of Interest

CODE LEGEND	<input type="checkbox"/> 1. For payment	<input type="checkbox"/> 4. For your signature	<input type="checkbox"/> 7. Send 1 to Contractor
	<input checked="" type="checkbox"/> 2. For your review	<input type="checkbox"/> 5. As requested	<input type="checkbox"/> 8. Return 1 to ETB
	<input type="checkbox"/> 3. For your files/use	<input type="checkbox"/> 6. Owner keeps 1	<input type="checkbox"/> 9. Office Copy

# of copies	DATE	DESCRIPTION	CODE
3		Statement of Qualifications	2

REMARKS:

Thank you for this opportunity and we look forward to hearing from you.

Signed: Todd Boggess, AIA, NCARB, Architect

11/10/16 09:35:40
WV Purchasing Division

November 10, 2016

STATEMENT OF QUALIFICATIONS
for Architectural / Engineering Services

Masonry Restoration
at Eastridge Health Systems
for the WV DHHR
BHS 1700000001



E.T. BOGGESS ARCHITECT, INC.



Jessica Chambers
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

November 10, 2016

Dear Ms. Chambers:

The E.T. Boggess Architect, Inc. team is pleased to submit our expression of interest to provide professional Architectural and Engineering Design services for the masonry restorations at Eastridge Health Systems in Martinsburg. Our team will examine the existing conditions and recommend the best course of action to restore the masonry in an efficient and cost effective manner. The ETB team includes PSI who provides facility consulting services throughout the country. They will help us identify and prioritize problems and solutions. We will inspect, document, test, and provide a remediation design. We will prepare bid documentation and provide contract construction administration services. Our goal is to help restore the exterior and protect the facility from further damage.

E.T. Boggess Architect, Inc. has provided both new and renovation designs for a number of government agencies. We provided the design for exterior renovations at the WVARNG Coonskin buildings and have been selected to provide window replacements at three WVARNG armories, including the armory in Martinsburg which is just a few miles from the Eastridge facility. Our renovation experience includes the complete interior and exterior work on a former USPO here in Princeton that is now the home of the Princeton Public Library. This project included the cleaning and restoration of the exterior sandstone blockwork and has been honored by the WVAIA in 2012 for Excellence in Architecture in Preservation.

ETB emphasizes a client-centered design approach, incorporating mutually defined project objectives. Through this focus, we can assure the State of West Virginia and the WV DHHR that needs and project issues will be clearly identified and addressed through an engaged, interactive programming, design, and construction process. Our design process will be conducted with an attention to detail, creative problem solving and with a passion towards project success.

We value this opportunity to serve you and look forward to personally presenting our credentials.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Todd Boggess', is written over a faint, larger version of the signature.

Todd Boggess, AIA, NCARB, Architect
President

Cover Letter

Qualifications – 1

Approach & Scope of Services – 2

Firm Profiles – 3

Projects / Prior Experience – 4

Management & Staffing Capabilities – 5

West Virginia Forms – 6

INTRODUCTION

The E.T. Boggess Architect, Inc., team understands the challenges facing our state agencies as they strive to serve the needs of our citizens and improve the existing conditions at our governmental facilities. The financial situation our state is enduring has affected all of us and requires us mountaineers to "get creative" in our approach. We must find ways to receive maximize return from the financial resources available, create energy efficient environments, and improve safety and security. Restoring the masonry at the Eastridge Health System facility will help prolong the life of the existing structure and allow the DHHR to continue to provide the services vital to the area's public health.

ETB has a great deal of experience with government facilities, both new and renovations. We understand the unique requirements associated with renovations and the importance of being prepared for any surprises that may be encountered. In recent years, ETB has worked on a number of renovations for various governmental agencies in our area. One of our historic renovation/adaptive re-use projects, the Princeton Public Library, received the WVAIA's Honor Award. The project involved transforming the vacant former USPO into a vital downtown center of activity. The interior renovations included a total re-design, while preserving some of the historical architectural details. New MEP systems were installed and existing windows were either restored or replaced. The exterior renovations included a thorough cleaning of the sandstone and the creation of code compliant access to the building. Many interesting details were uncovered and incorporated into the design, including a skylight that had been hidden during a previous renovation. Additional renovations have been accomplished with emphasis on energy upgrades, access, and security for the Mercer County Courthouse and the Mercer County War Memorial Building. ETB has also accomplished several "face-lifts" for the exterior of commercial building and shopping malls.

ETB is teaming with PSI in order to provide the best restoration services to the state and the DHHR. PSI conducted the assessment of existing condition on a project and ETB was subsequently hired to design. The owners at the Creekside Villas at Snowshoe originally hired PSI to identify their problems and recommend a course of action to remedy the situation. ETB utilized their report to generate construction documentation in order for the general contractor to proceed with appropriate renovations. The ETB/PSI team will utilize the same approach to identify and document the necessary masonry remediation work.

PHILOSOPHY

Communication, collaboration, and consensus are the three elements we feel are essential to the planning, design and building process. The architect is responsible for the finished product, but the design process must include guidance and review by you and representatives from the various agencies. Our goal is to develop a "*partnership*" with our clients – a relationship that includes a long-term commitment, trust, and shared vision.

ETB believes architectural design should be an *interactive process*. We work closely with you to identify and define all your project goals, objectives, functions, responsibilities, and relationships. This interactive approach enables us to work together to meet your requirements. Renovation designs cannot be mass produced or provided in a "cookie cutter" fashion, each one must be developed from scratch with the unique attributes of each individual project in mind. We **look** at your existing masonry, **listen** to what you hope to accomplish, and then provide **designs** to satisfy those needs.

METHOD for MEETING GOALS

The Integrated Design Process is our process of design in which the owners, users and the ETB team (architects and engineers) are all integral team members. This integrated process and the implementation of high performance design requires both efficiency and innovation. In our role with this team as the design leader and project organizer, ETB will be responsible for coordinating and orchestrating the work of our in-house team with the appropriate consultants and users involved throughout the design, documentation, and administrative functions of the project.

Utilizing the interactive design approach will best serve the needs of the WV DHHR by allowing us to better identify your objectives and produce long-term solutions. Your projects will be completed by emphasizing the following activities:

- **Understanding goals.** We develop a plan for identifying and prioritizing individual goals as a means for addressing the overall project.
- **Brainstorming ideas.** We investigate opportunities for greater service through value engineering, strategic partnering, or an alternative delivery method.
- **Assuring timelines.** We generate a management plan to fulfill deliverables and meet milestones on schedule. All team members participate in and monitor this plan.
- **Maintaining client contact.** We are accessible, convenient, and committed to success from the beginning through the design process, and after completion.
- **Inviting performance feedback.** We involve all team members and clients in project evaluation at closeout and determine how well time, cost, and design goals were met.

Project Management - Our project managers provide extraordinary leadership managing the team dynamics, budget, schedule, and the flow of information. The project manager's role also includes assisting the client with the management of services and consultants that may not be a part of this contract, but still may have an impact on workflow and infrastructure coordination. The effective implementation of your goals and objectives will be realized thru early and consistent collaboration among all the design disciplines. This will result in opportunities and challenges being discussed and addressed as we proceed thru the design process.

Cost Management - We believe that the management of cost and/or risk begins with the development of fully vetted alternatives which enable you to make informed choices about the project. We search for simple and effective solutions for each armory. We also believe that the evaluation of cost must extend beyond the cost of construction, and consider the costs of operations, human resources, energy and sustainability.

Project Schedule Management - Completing projects on time requires effective schedule management and a commitment of the entire project team. The process begins with the development of the project schedule with input from each stakeholder engaged in the process. Accelerated schedules require even more dedication to benchmarks and deadlines, identifying production problems early and making the necessary adjustments before issues become too great to be effectively managed. We also want to insure as little disruption as possible to the day-to-day activities at each armory during the construction process.

Quality Assurance - We feel quality assurance is the ability of an architect to provide the client with a set of documents that satisfies the client's needs and are as accurate as possible. ETB believes quality assurance is an ongoing process, not just a one-time occurrence. No project is perfect, however, we strive to achieve maximum client satisfaction. An active role during construction contract administration services provided an opportunity for our team to better respond to existing conditions that may differ from the design intent.

To that end, we have set the following goals for ourselves:

- Promote teamwork
 - within the office
 - with outside consultants
 - with representatives from the State of WV and the WVARNG
 - with representatives from each of the local armories
- Quality management throughout entire project – *Website*
- Prompt response to client's requests – *Availability*
- Creation of quality construction documents – *Purpose Driven*
- Error *prevention*, not error catching – *Standard Practices*
- Personal pride in our work - *Motivation*
- Education and Training in-house (staff mentoring) – *Continuing Education*
- Go the extra mile whenever necessary – *Service Oriented*

Quality Control - Quality control starts with matching expectations about quality standards and life cycle costs with budget and scope during planning and design reviews. This continues through construction delivery with a program of inspections, tests, and certifications that are typically handled through a third-party agency. Quality control should flow seamlessly from one phase to another. The "partnership" we develop during the project assists us in maintaining a high level quality control standard with everyone working together in the project's best interest. We strive to coordinate performance among the entire project team in order for a completed building program to fully satisfy your needs and expectations. The quality control plan we follow should help eliminate errors, reduce cost and improve overall building quality.

ETB normally follows the plan as outlined below:

- Keep the lines of communication open and consistent between all team members
 - Regular/scheduled project meetings
- Share lessons learned from recent similar projects, include value engineering
 - Up-to-date detailing
- In-house reviews to address issues with constructability and budget restraints
- Utilize past experiences related to construction administration
 - Address before issue or occurrence
- Provide post construction administration services to be utilized on future projects

APPROACH

Our approach to the masonry restoration at the Eastridge Health Systems facility begins with a thorough examination of the exterior. We will also utilize the preliminary report that was prepared in 2014. PSI will lead our team during the site inspections, conducting a review of existing conditions along with recommendations for remediation.

ETB work on the WVARNG Coonskin project began in much the same way. The scope of work included a variety of metal coping restoration, window replacement, painting and four bid alternates, distributed across four conjoined buildings. In order to accurately and clearly convey the scope to the contractors, we abandoned the conventional black and white plans in favor of a 3D, color virtual building model of the entire complex.

BUILDING ZONE

A



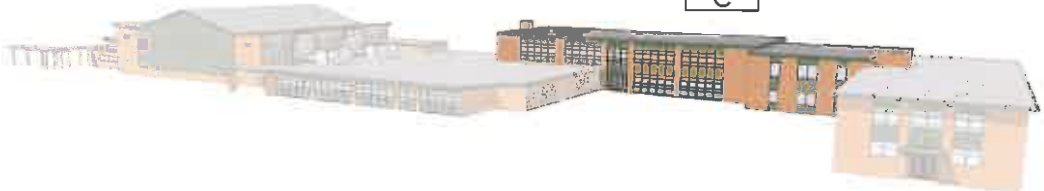
BUILDING ZONE

B



BUILDING ZONE

C



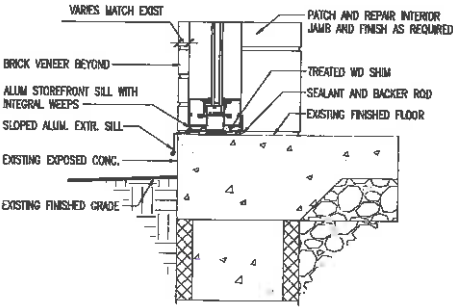
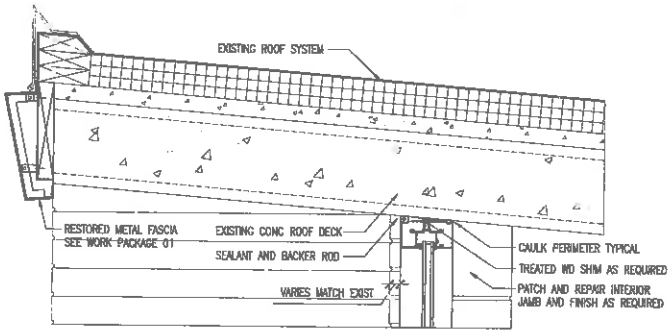
BUILDING ZONE

D



The models were generated from a combination of record drawings and field measurements. Once complete, it became the backbone of the entire bid package, depicting existing conditions, new work and extent of alternates. Accompanied by details, schedules and specifications, this creative approach to a unique project was well received by the construction team. Renovations were completed this past summer and are shown below.

(Note: Reduced scale detail)



Specific Tasks

ETB will provide the services needed to restore the masonry in the phases or steps shown below. As mentioned previously, we utilize an interactive design approach. We will therefore be involving your designated representatives in order to understand and address your specific needs.

Investigation and Evaluation Phase:

- Upon receipt of Notice to Proceed, ETB will review all available original plans, specifications and other relevant data documenting existing systems and structures.
- Conduct a thorough evaluation and inspection of the exterior masonry work, evaluating existing conditions, and reviewing the structural report.
- Perform engineering analysis to establish design criteria and examine the drainage system and building envelope.
- Meet with representatives from the WV DHHR to present and discuss preliminary findings, including preliminary budget projections and design criteria.

Preliminary Design Phase:

- Prepare preliminary design drawings, targeting all areas of work that will be affected
- Prepare Outline Specifications and Preliminary Estimate of Probable Construction Costs.
- Discuss phasing opportunities and scheduling
- Meet with representatives from the WV DHHR to review preliminary design drawings, proposed scope of work, proposed system product selections and alternatives, and Preliminary Estimate of Probable Construction Cost. Review/establish budget and contingency and establish Final Construction Phase Schedule (bidding and award).

Construction Document Phase:

- Prepare Construction Documents including detailed drawings and specifications commensurate with established scope of work.
- Prepare Final Estimate of Probable Construction Costs.
- Assist with coordination/preparation of non-technical provisions of the contract documents. (Bid Advertisement, safety/security compliance, temporary facilities, utility access, etc.)
- Meet with representatives from representatives from the WV DHHR as necessary to review progress, discuss proposed design and budget refinements, value engineering proposals and other general coordination issues.
- Assist with review, selection and pre-approval of Contractors, if required

Bidding and Construction Phase:

- ETB will provide general administrative assistance during the Bidding and Construction Phases including:
 - Reproduction and distribution of Construction Documents
 - Attendance at pre-bid meeting
 - Preparation of addenda
 - Review of bids
 - Review of contractor submittals and shop drawings
 - Review/approval of contractor's applications for payment
 - Review/response to RFI and construction change order requests.
 - Regular on-site Construction observation and reporting
 - Assistance/coordination with governmental/ regulatory agencies
 - Preparation of project punch list and sign-off
 - Review of project close-out documents/ compliance

Before



Exterior Restoration at Princeton Public Library



HISTORY

E. T. Boggess Architect, Inc. was established in Princeton, West Virginia, by Ted Boggess in 1966. ETB has been a successful architectural firm primarily because of a team approach and partnership-type attitude with all involved in the design and construction process. Having grown up in the practice and with a life-long love of architecture, Todd became a full time presence with the firm in 1988 after receiving a Masters in Architecture from Clemson University. Their unique relationship as father/son/mentor/apprentice and, now, partners is both exciting and rewarding as the practice continues to flourish and evolve.

REPUTATION

Our firm lives or dies by its reputation. We have cultivated a team that strives to deliver the highest level of project management, service, and design. Our approach is client and site specific, and questions conventional assumptions. The greatest testament to the success of ETB's work goes beyond the organizational, operation and business stewardship we provide; it is in our enduring client relationships.

The architects at ETB are well-respected for their high ethical standards, as well as professional and civic activities. They are frequently asked to serve as expert witnesses and arbitrators in legal disputes. They have also been selected to serve on various local, state and national committees. These committees cover areas from determining local zoning ordinances to reviewing and developing educational requirements for future architects, to preserving West Virginia's historic architecture. Todd has recently been appointed to the WV Board of Architects by Governor Tomblin. The Board of Architects protects the life, health, and property of the people of the State of West Virginia by ensuring that proper architecture practices are used in the state.

SIZE

Bigger is not always better. ETB has purposely controlled size in order to maintain personal involvement and quality control. We feel that it is important to maintain close client contact so we can respond to your needs and questions, as well as address any situations that may arise in a timely manner. Our talented staff is ready to accommodate the needs of your project and ensure the successful completion of our current workload. The depth of our personnel is such that we can assign individuals to the appropriate task during each phase to ensure all your project's needs are satisfied.

TEAMWORK

Our projects and design services are dependent on both our abilities as architects and our commitment to perform and implement a set of standards in order to create a design that responds to the needs of our client. In house, ETB actually functions as a team of consultants with individual strengths and abilities emphasized by each employee's role within the team. In addition to being a strong design oriented firm, we offer expertise in communication, construction documentation, construction administration, and quality control.

Throughout our region, we have developed relationships with government agencies, contractors and material suppliers which will be valuable as we address the challenges associated with this project. ETB has worked with many of the code officials, including the state fire marshal, and consider them an extension of our team, another member who is concerned about the final design. We review our designs with the State Fire Marshal's Office at regular intervals during the design process, as well as on-site inspections during construction.

Professional Service Industries, Inc. (PSI) Knowledge & Capabilities

A Commitment to Excellence

Professional Service Industries, Inc. (PSI) is a nationally recognized consulting engineering and testing firm providing integrated services in several disciplines, including environmental consulting, geotechnical engineering, construction materials testing and engineering, asbestos management and facilities engineering and consulting. We are a leader among the nation's independent testing organizations and rank among the country's largest consulting engineering firms.

PSI has been providing business and industry with objective, accurate and useful information for more than 100 years. Today, we employ approximately 2,500 skilled personnel in over 100 offices nationwide.

Distinguished as both a local and a national leader in engineering and environmental services, PSI is recognized in several disciplines including the following:

- Facilities Building Envelope Investigative Services
- Roof Consulting Services
- Construction Materials Testing and Engineering
- Geotechnical Engineering
- Environmental Consulting
- Industrial Hygiene

PSI provides its clients with **Information to Build On** in making knowledgeable, cost-effective business decisions that help their clients reduce expenses, improve quality and decrease liabilities.

- **Timely Service** – Project deliverables are submitted on time or ahead of schedule.
- **Quality** – The quality of service will meet or exceed your expectations.
- **Communications** – A high level of communication shall be maintained so all stakeholders are well-informed about project statuses in Real Time.
- **Practical Solutions** – PSI prides itself in providing practical, cost effective solutions to your project related problems.

*PSI provides
outstanding testing,
consulting and
engineering services;
however, most of all we
desire to demonstrate
our commitment to
excellence.*

PSI maintains the highest professional and ethical standards, which include an economic awareness to provide the highest quality of personnel and service at a reasonable cost to our clients. Our unique combination of local, independent offices and nationwide resources means our project managers have the full responsibility for managing your local projects, and also have the national resources to handle the most challenging and complex projects, regardless of size.

While PSI's growth has been notable, even more impressive has been our ability to grow without sacrificing our technical knowledge or personalized attention to our clients. Recognition of the importance of our clients and repeat business has been a key factor in PSI's success. PSI will not sacrifice quality, value, or service to our clients.

Our staff of professionals consists of the following:

- Professional Engineers (PE)
- Registered Roof Consultants (RRC)
- Registered Architects (AIA)
- Certified Industrial Hygienists (CIH)

- Registered Soil Scientists
- Engineers-In-Training (EIT)
- Registered Geologists

Our field and laboratory technicians are trained in-house and at special schools and seminars. Our project managers and technicians are certified by associations such as the following and work with other specialized organizations within each discipline.

- Roofing Industry Educational Institute (RIEI)
- Roof Consultants Institute (RCI)
- American Concrete Institute (ACI)
- National Institute for the Certification of Engineering Technicians (NICET)
- American Welding Society (AWS)
- International Code Council (ICC)

Since our founding, we have dedicated ourselves to excellence both in our technical expertise and in customer service. It is this principal upon which we have based our organization and established a national reputation as a leader in the field of professional engineering, testing and consulting services.

***PSI's Vision... is to be the most
trusted, integrated provider of
"Information to Build On"
for clients that buy, sell, design,
construct, develop, finance and
manage properties and infrastructure.***

Professional Testing, Inspection and Consulting Services Offered:

Building Envelope Consulting

PSI has provided building envelope consulting services for numerous major building owners and developers throughout the United States. Our expertise includes design assistance with prime architects and engineers; construction quality assurance for general and subcontractors and construction management teams; testing of installed building envelope components and forensic inspection of existing facilities in the building envelope field.

Specifically, we have provided peer review and detailed design assistance plus forensics inspection services on all building weatherization systems including:

- Below grade waterproofing (positive, negative, blind side)
- Plaza deck waterproofing (fluid applied, mopped in place, loose laid, Green)
- Sheathing and air barriers (Dens Glass, building wrap, vapor permeable and impermeable air barriers)
- Veneer flashing systems (brick, stone, EIFS, cement board, siding)
- Curtainwalls and cladding (glass, pre-cast concrete, metal panelized cladding)
- Windows (fixed, venting, storefront, doors)

- Exposed concrete (coatings, sealant, metal cladding)
- Roofing of all types (low slope, sloped metal, shingles, inverted, Extensive and Intensive Green)

Roof Consulting

Roofing systems are one of the most vulnerable building systems in quality construction. PSI has been providing services to the construction industry for more than 35 years. During that period, we have inspected more than a billion square feet of roofing. This experience, combined with the resources of a nationwide network of offices, allows us to respond to our clients quickly and economically. PSI's Roof Consulting Service Line is completely independent from roofing contractors and roofing materials manufacturers. Our independence means that we can offer our clients objective, cost-effective, long-term solutions to roofing problems.



Construction Quality Assurance Monitoring

The most thorough specification manual is ineffective if the roofing contractor fails to follow the instructions within the manual. PSI believes that an Owner should not rely on the manufacturer's warranty as a substitute for independent quality assurance monitoring during the installation of new roofing components. Many of our clients share this philosophy. To address this issue, PSI offers full-time and part-time quality assurance (QA) monitoring to ensure that the roofing contractor is following the specification manual and the manufacturer's directives. PSI inspectors are assigned to a project based on their training and experience within the roofing industry.

Property Condition Assessments

Owners, buyers, and lenders are concerned with the possible liability issues associated with asbestos and hazardous chemicals, as well as with the high cost of repairing and/or replacing building components such as roofs, curtain walls, and pavements. Furthermore, the condition of the less visible, and sometimes neglected, mechanical, electrical, and plumbing systems of a facility can also have a significant impact on the value of the property. PSI has developed an effective property condition assessment process that, when used in association with environmental site assessment services, is very effective in providing a clear understanding of the total condition of the subject property.

Environmental Consulting

The environmental group at PSI has perfected a program geared towards providing our clients with a diverse array of professional consulting services. Our primary goal is to provide our clients with common sense solutions to sometimes complex problems in a time and resource efficient manner. PSI is a full-service environmental firm. We believe that no other environmental firm offers the diversity of services, depth of resources, and geographic coverage of PSI. A general summary of services we provide is as follows:

- Environmental Due Diligence
- Phase II and III Environmental
- Remedial Design
- Remedial Action
- Underground Storage Tank (UST) Management
- Water Protection Services
- Regulatory Compliance
- Industrial Hygiene & Indoor Air Quality Services



Geotechnical Engineering

Quality is an integral part of PSI's approach to geotechnical work. Our principal consultant, professional engineers with years of demonstrated experience, are the crux of our quality assurance program. These principal consultants review all reports and documentation on each project to make certain that PSI's methodologies and contractual agreements are strictly followed and that conclusions and recommendations are valid, effective and practical. In addition, field and laboratory personnel receive intensive training from seasoned veterans before they begin working in the field.

Pavement Consulting Services

For more than 30 years, PSI has been providing pavement evaluation services. We know pavement and the paving process. Our clients include major national retail chains, airports, industrial facilities, universities, schools and government installations. PSI has established a logical, effective and economical approach to solving pavement problems. A given project or situation may call for any or all of our capabilities.

Based on the results of the Phase II evaluation, PSI will prepare specifications, plans and bid documents for the rehabilitation or reconstruction project. This includes assistance and recommendations during the bidding process to select a qualified contractor.

Construction Materials Testing and Engineering

The construction of transportation projects, including bridges, dams, embankments, roads, airport runways, offshore structures, and other types of facilities, requires precise planning, careful design, rigorous execution and the expenditure of a great deal of money. Thus, it is extremely important that all work and materials be of the highest quality to assure that specifications, schedules and budgets are met. One way to do this is by using the services of PSI, an independent quality control and testing consultant.

PSI has been providing construction quality control services since its founding in 1962. Pittsburgh Testing Laboratory, a subsidiary of PSI, tested the original cables for the Brooklyn Bridge in the 1880s; in recent years the firm tested the replacement cables. No other testing and inspection firm has that kind of history and continuity.

PSI holds certifications and approvals from industry and trade organizations, federal government agencies and individual states for a variety of services and procedures. Your local PSI office will be happy to provide you with an applicable list for your area.

Wide Range of Services

PSI's construction services can serve a variety of projects. Construction Services can be provided from intermittent (call-out basis) or continuous (full-time) basis. PSI's specialty is the ability to mobilize an on site laboratory with a materials testing manager and a complete staff of special inspectors. All field activities are supported by the bench strength of Licensed Engineers acting as Principal Consultants. PSI has over 100 established office laboratories that offer more diversified materials testing than any other Independent Testing Laboratory. In addition to standard test procedures as established by ASTM, DOT's, or the Corps. of Engineers, PSI can develop and simulate specific test environments to satisfy client needs.

PSI maintains complete facilities and equipment for inspection and testing of soils and foundations, concrete, pavements, masonry, structural, metals, roofing and specialty areas. In addition, PSI has in-house Quality Assurance Manual (QAM), Standard Operating Procedures (SOP), and a Technical Operating Procedures (TOP) Manual to guide and document operations.



Nondestructive Examination and Testing

PSI has the expertise, experience, and equipment needed to conduct nondestructive examination and testing (NDE) on your equipment, systems, and materials. PSI's long history of conducting NDE began with the establishment of our Pittsburgh Testing Laboratory Division in 1881. The Pittsburgh laboratory inspected the original cables on the Brooklyn Bridge in 1883; a few years ago, we inspected the replacement cables, a continuity that no other testing firm can match. PSI offers clients several advantages:

- **Professional Engineering Staff**
PSI's staff includes professionals thoroughly educated and experienced in all aspects of nondestructive examination and testing. Our NDE managers' project experience ranges from large power, paper and petrochemical plants to high-rise buildings, bridges and a wide range of government projects.
- **Certified Technicians**
PSI has a large group of experienced NDE technicians, including ultrasonic, radiographic, magnetic particle, liquid penetrant and visual weld inspectors. These personnel are qualified and certified in accordance with the requirements of ASNT Document SNT-TC-1A, as are our management personnel.
- **Available Contract Personnel**
PSI has additional personnel available when the need arises. More than 100 contract technicians have been qualified and certified according to SNT-TC-1A and our internal quality assurance programs.
- **Local Response/Nationwide Capabilities**
With 125 offices across the country -many offering a full range of NDE capabilities - PSI can undertake projects in any area of the U.S. This is especially important for clients with multiple facilities that are widely dispersed, but who want local contacts for fast response time. PSI currently has offices in Morgantown and Parkersburg, West Virginia as well as Fairfax, Virginia.
- **Reliability**
When you conduct a maintenance shutdown or have an emergency outage, schedules are very tight. The last thing you need is an unreliable consultant. PSI has built its reputation on performance as promised, when promised.

Principal Consultant System

PSI delivers expertise to clients through our Senior Authoring System. Throughout PSI, senior technical staff members are designated Principal Consultants based on their demonstrated knowledge and expertise. PSI especially embraces this important element of our internal quality control program, namely the Principal Consultant System. Within our organization, those people with recognized experience, technical expertise, and competence are designated as Principal Consultants. These personnel are assigned to provide technical leadership, to review reports prior to submittal, and to consult on any challenging issues which may present themselves from time to time.

Principals-in-Charge are also identified individuals for specific disciplines with responsibility for nationwide technical guidance and management. These individuals guide and direct the technical training and personnel development functions for PSI engineering, professional and technical personnel.

PSI Senior Technical Staff are always on-call as in-house consultants to guide and consult on the unusual or non-standard and technically challenging projects as they arise.

A Complete Building Solution

Intertek



Everything you need from start to finish – Assurance, Testing, Inspection & Certification

Environmental Consulting & Geotechnical Services

Assuring site and subsurface conditions meet the criteria for purchase, development and construction

Building Systems Consulting

Industry professionals provide a variety of acoustic, fire, AM, roofing system and enclosure consulting services to ensure proper design and installation of a building's critical systems

Building Product & Construction Materials Testing

Providing testing for virtually all types of building products, construction materials, and systems for safety, retail, code, and performance purposes

Decommissioning & Due Diligence

Supporting the redevelopment and transfer of property assets via environmental and property assessments and engineering services

Property Management Support Services

Providing a variety of building systems testing, inspection, and consulting services to optimize the value and life of the property asset

Mock-Up & Field Testing

On-site air infiltration, water leakage, and structural performance for fenestrations or in lab validation of a curtain wall's design, workmanship, and material selection to ensure its performance

Building Enclosure Commissioning

Design and construction professionals provide solutions to reduce the potential for premature building failure, increase a building's energy efficiency and expected life cycle

Industrial Hygiene Services

Assessing a building or facility for a variety of sources (air, asbestos, lead, mold) to minimize the risk of factors adverse to human health

Field Labeling

Providing on-site services of opening systems that need to be re-labeled or making recommendations for upgraded materials



info@psiusa.com

www.psiusa.com

800.548.7901

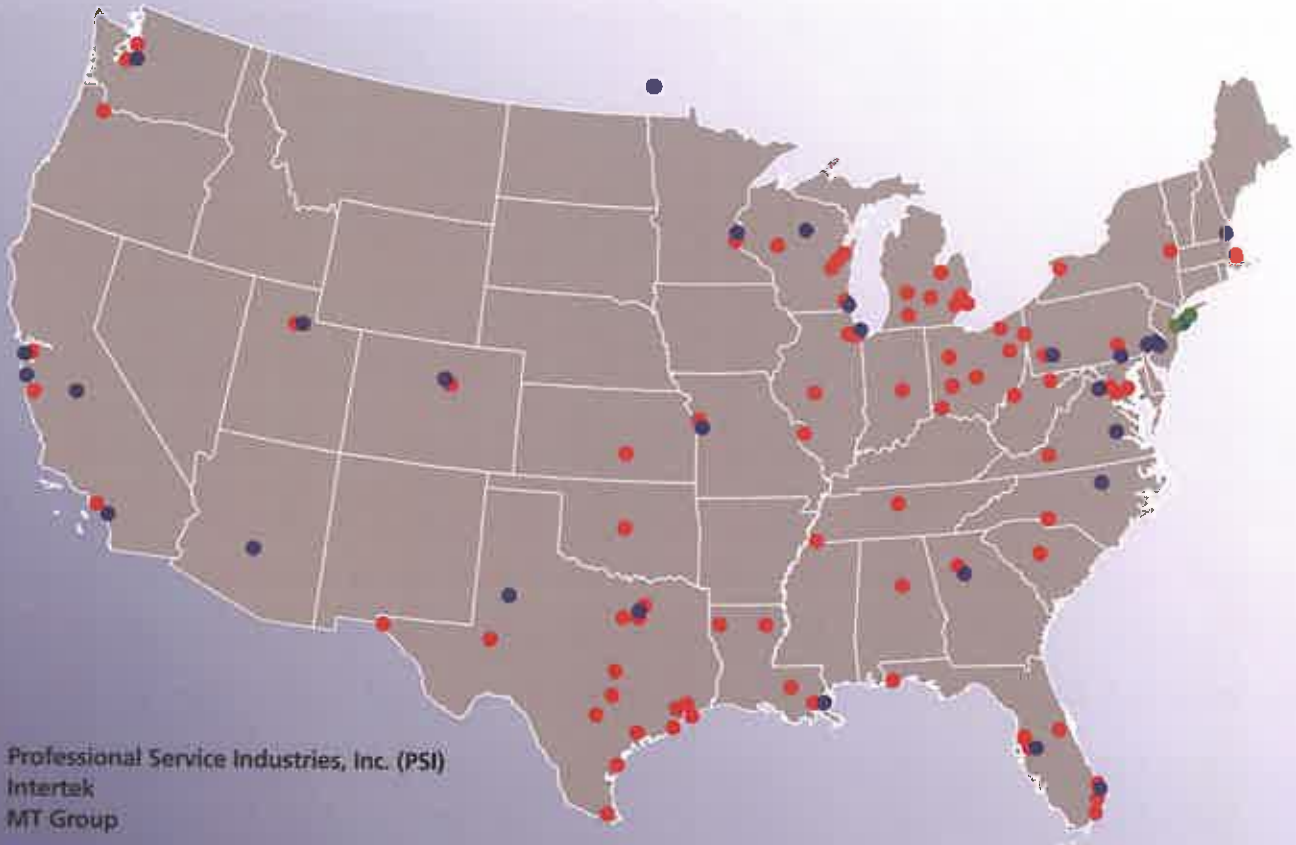
Intertek



Building Better Together.

The addition of PSI and the MT Group to the Intertek family gives customers the industry's most comprehensive suite of services in the building and construction industry. As a partner fully involved in the construction process - from the development of codes to building design, construction, maintenance, and decommissioning - Intertek's unique industry perspective gives customer insight that no other firm can provide.

Intertek's customers take advantage of its expansive global footprint, extensive portfolio of services, and vast breadth of industry expertise. These elements work together helping customers to gain access to domestic and global markets, ensure projects are completed to specifications, and risk is mitigated throughout all aspects of the built environment.



BPF5NA30-2P

Contact

info@psiusa.com
www.psiusa.com
800.548.7901



Intertek



Intertek



Intertek

PRINCETON PUBLIC LIBRARY

Princeton, WV



PROJECT DETAILS

owner/district:
City of Princeton

year:
2010

size:
13,331 sf (Two Story)

This renovation/adaptive re-use project involved a total interior renovation and exterior restoration that transformed the abandoned former USPO building into a new focal point for Mercer Street. In addition to providing much needed space for books, this design enabled the library to have designated spaces for audio/visual, and an exclusive West Virginia Room. Activities associated with the operation of the library are easily maintained from the custom designed control desk. Rooms in the basement are dedicated to three specific age groups, and include an open computer area. Public meeting /conference rooms with state-of-the-art technology equipment are also located on the lower basement level.



PRINCETON PUBLIC LIBRARY

Princeton, WV



WV ARMY NATIONAL GUARD JOINT FORCES HEADQUARTERS

Coonskin Park, Charleston, WV

PROJECT DETAILS

BEFORE



owner/district:
WV Army National Guard

year:
2016

type:
Exterior Renovations

The exterior renovations ETB designed for the Joint Forces Headquarters included general facade updates, new window systems, and restoring the original metal cornice. The project was completed earlier this summer.



WV ARMY NATIONAL GUARD JOINT FORCES HEADQUARTERS

Coonskin Park, Charleston, WV

PROJECT DETAILS

owner/district:
WV Army National Guard

year:
2016

type:
Exterior Renovations



Existing Metal Facade



Painted Metal Facade
Work Package 02 - Base Bid



New Perforated Image Metal Panel System
Work Package 05 - Alternate A

The concept study graphics shown here represent the proposed exterior renovations designed by ETB for the Joint Forces Headquarters. These graphic images were included as part of the bid package in order to provide a better understanding of the proposed scope of work for the general contractor.

This overall approach to bid documentation was such a success that ETB has been retained for further renovation at the Charleston facility along with three additional National Guard renovation projects across the state; Clarksburg, Salem and Martinsburg, WV.



Clarksburg, WV



Salem, WV



Martinsburg, WV

CREEKSIDE VILLAS AT SNOWSHOE

Snowshoe, WV

PROJECT DETAILS

owner/district:
Creekside Owner's Association

year:
2016

size:
36 units

ETB provided a new facade renovation concept design for an existing multi-building condo development at Creekside Villas. Individual owners were surveyed and presented with options related to preferences for exterior colors, entry elements and other possible improvements.

Design concepts are being coordinated with on-going facility repairs as outlined in the report prepared by PSI. Our goal is to remedy pre-existing conditions (issues) and damage caused by insufficient waterproofing.

The "ski lodge" vernacular will be the theme throughout the complex.



CREEKSIDE VILLAS

FACADE DESIGN CONCEPTS
AUGUST 2, 2015





9th Street Office Building Renovation

Client Commonwealth of Virginia
Department of General Services
Division of Engineering & Buildings
Bureau of Facilities Management
1100 Bank Street
10th Floor
Richmond, Virginia 23219
Chinh Vu
804-786-1410

Project Location Richmond, VA

Performance Period 2013-2015

Project Responsibility Building Envelope Consulting Services

The project consisted of the renovation to an existing 100+ year old historic eleven story office building. 9th Street Office Building Project has one level below-grade and is approximately 183,167 square feet. The renovation of the building consisted of replacing all exterior windows and doors, removing existing through-wall HVAC louvers, masonry repair, installing new thermal insulation and new roofing.



PSI provided Building Envelope Consulting, Inspection and Testing Services. On-going consulting services were performed throughout the entirety of PSI's role in the project, as a well as exterior testing on below and above-grade waterproofing and traffic coatings, air and vapor barriers, masonry, metal panel, and rain screen veneers, window, storefront, curtain wall, or skylight glazing systems, roofing assemblies, joint sealants and thermal insulation during the pre-construction phase of the project. On-going Design and Constructability Review services were also provided along with Building Exterior Quality Control Observations/Inspections, Roofing Quality Control Observations and Building Exterior Functional Performance Tests during the construction phase of the project.



PROJECT PROFILE
804 1st Street NE

Client First Potomac DC Managements, LLC
1667 K Street NW, Suite 1270
Washington, DC 20008
Carolyn Ramsey
Property Manager
202-465-8500

Project Location Washington, DC

Performance Period 2012

Project Responsibility Water Infiltration Consulting

The building at 840 1st Street NE reported infiltration in the lower levels of the below-grade parking garage on-site. Water infiltration resulted in deposits of iron ochre, staining of interior finishes, and damages to sump pump equipment. PSI performed water sampling of running water in the affected areas and determined high concentration of iron ochre. After completion of water testing, PSI worked with the client to research and develop an acceptable remediation and repair plan to address future water infiltration in the garage. Consulting consisted of meeting waterproofing product representatives, developing a scope of work, and assisting in selecting appropriate contactors to perform the work.





Charter School Incubator Initiative at Shaed Elementary

Client Forrester Construction
12231 Parklawn Dr.
Rockville, MD 20852
Josh Bailey
Assistant Project Manager
240-743-7801

Project Location Washington, DC

Performance Period 2014

Project Responsibility Building Envelope Consulting Services

Charter School Incubator Initiative (CSII) at Shaed Elementary is a complete renovation of an existing 4-story 71,000 square foot building. The scope included gutting three floors of the building, replacing all systems, reconfiguring most spaces, and fully updating interiors. The building was designed to accommodate two charter schools: Inspired Teaching School and Lee Montessori.



PSI provided building envelope work limited to roof repairs and new roof work related to new rooftop equipment as well as window replacement and limited exterior alterations. PSI made site visits for verification of building envelope systems, including quality assurance inspections of building envelope systems and transitions between systems, review of mock-ups, and attendance at building envelope tests performed by others. PSI performed reviews of Building Envelope contract documents, pertinent shop drawings, and submittals; in additions to development and implementation of project specific Quality Control Checklists.



Doctors Community Hospital Surgical Expansion

Client Gilbane
1100 North Glebe Road
Suite 720
Arlington, VA 22201
Nikki Hayer
202-450-4608

Project Location Lanham, MD

Performance Period 2014

Project Responsibility Building Envelope Consulting Services

Doctors Community Hospital Surgical Expansion was a \$10 Million project to expand and renovate existing surgical wing and its suites. The project included two infill additions to the existing building which includes exterior elements that include brick masonry, pre-cast stone, waterproofing, SBS modified BUR roofing and new aluminum windows. PSI provided Building Envelope Consulting and applicable consultation and design review services for the previously mentioned Building Envelope systems.



PSI made an initial site visit to observe existing conditions and review of building envelope drawings, specifications, shop drawings and product submittals. PSI provided Building Envelope Quality Assurance Observations. Testing services were also utilized for AAMA 502 (ASTM E 783 & ASTM E 1105) Air and Water Infiltration Tests (Field Chamber Method).



John Tyler Community College Campus

Client	Virginia Community College System James Monroe Building 101 North 14 th St. 16 th Floor Richmond, VA 23219 Sidney Buford 804-513-2873
Project Location	Midlothian, VA
Performance Period	2014-2015
Project Responsibility	Building Envelope Consulting Services

The project consists of construction of a new academic 3-story building. The building has 69,984 square feet. The exterior building envelope consist of masonry veneer, precast concrete wall panels, a prefinished aluminum sunscreen system, prefinished aluminum curtain wall, composite aluminum wall panels and a PVC single-ply roofing system.



PSI is providing on-going Building Envelope Commissioning services, as a well as Design and Constructability Review services, Building Envelope Quality Control Observations/Inspections and Building Envelope Functional Performance Tests during the construction phase of the project. Post-construction services include, the preparation of final reports, drawings, and contributing to the substantial completion documents, the review and update the Owner's Project Requirements as they relate to the building envelope, the preparation of operations and maintenance manuals for submission, provision of a post-construction design and constructability review report summarizing challenges in the design, steps taken to overcome challenges, and evaluation of the installed systems and training for the maintenance staff to maintain the building envelope.



MedStar Georgetown Proton Therapy Addition

Client Forrester Construction
12231 Parklawn Drive
Rockville, MD 20852
Maya Kai Kai
301-816-1700

Project Location Washington, DC

Performance Period 2015

Project Responsibility Building Envelope Consulting Services

The project consists of a four-story approximately 9,880 square foot addition to the existing five-story approximately 94,507 square foot Georgetown University Hospital building for medical and office space. There will also be approximately 10,000 square feet of interior renovations. The new building envelope consists of waterproofing membranes, limestone veneer, metal wall panels, insulation and weather barrier assemblies, single-ply membrane roof assembly and storefront and curtain wall glazing assemblies.



PSI is providing Building Envelope services including but not limited to review and inspection of the building envelope system, inspection of the roofing system for compliance and quality control, provision and implementation of a quality control checklist and procedures, submittal of field reports for each site visit, and attendance of pre-construction, mock-up and/or coordination meetings.



Smithsonian Museum of American History

Client Ridgeview Glass Inc.
9625 Fallard Terrace
Upper Marlboro, MD 20772
Matt Canter
301-599-7200

Project Location Washington, DC

Performance Period 2012

Project Responsibility Building Envelope Testing

PSI performed limited water infiltration testing services for water leakage in general accordance with ASTM E 1105 and AAMA 501.2 for the all-glass steel-framed entrance pavilion on the east elevation. Testing was performed during the loading dock renovation into office space by Grunley Construction Company. Testing in general accordance with ASTM E 1105 consists of erecting a vacuum chamber to the interior side of the window and drawing air through the window assembly. After a vacuum is verified and static pressure has stabilized, a calibrated spray-rack is fixed to the exterior of the window assembly and water is drawn through it. PSI tested one window 2 bays wide by 1 story high and one skylight window 1 bay by 1 bay wide to verify that the window glazing was watertight in compliance with Contract Documents. PSI also tested in general accordance with AAMA 501.2 testing which consists of using a calibrated nozzle to force water at the horizontal components of the assembly for a duration of time to evidence water leaking through the assembly. Finally, PSI performed structural joint sealant testing in eight (8) locations in general compliance with ASTM C 1401. Upon completion of the testing, PSI prepared a report of the test results.





PROJECT PROFILE
Yuma Study Center

Client Forrester Construction Company
12231 Parklawn Drive
Rockville, MD 20852
Mark Rolfs
Project Manager
240-816-1701

Project Location Washington, DC

Performance Period 2012

Project Responsibility Building Envelope Consulting

PSI performed design review for the renovation and addition to the Yuma Study Center building which consists of renovation to the existing 14,803 square foot three story building and a 26,627 square foot two story addition for new musical educational and dormitory space. PSI prepared reports identifying design discrepancies and provided Building Envelope Consulting and Quality Assurance for the building envelope systems to inspect for compliance with Contract Documents including: masonry, air barrier systems, SBS modified bituminous roofing and joint sealants. PSI also provided roof consulting services and performed roof test cuts during installation of the new roofing systems. Upon completion of each inspection, PSI prepared reports of our findings.



OUR TEAM

Todd Boggess is President of E.T. Boggess, Architect, Inc., and will serve as the design team leader. He will be assisted by Stephen Mackey, who is responsible for planning and design.

A component of our management approach is the development of an individual strategy for each project, focused on the specific problems to be solved. This strategy considers the staff members assigned to the project, the scheduling and duration of work phases, the use of special consultants or specialized studies. Our Project Management Plan (PMP) will document key management and oversight tasks and is updated throughout the project as changes occur. The plan will include a definition of your program goals, technical requirements, schedules, resources, budgets, and management programs. Once we gain a better understanding of your scheduling targets, we will be able to determine exactly what resources we will need to dedicate to the project.

We have analyzed our team's requirements carefully and are confident that our manpower and skill level will remain more than adequate, even in the early, labor intensive phases. We are prepared to staff the project with a cadre of our key design personnel. Our projected workloads and the depth of personnel available are such that staffing projects of this size and complexity will have no adverse impact on any current or future projects in our office.

Resumes for our design team can be found on the following pages. Section 4 contains project information showcasing our capabilities.

Architect – E. T. Boggess Architect, Inc. (ETB)

Principal & Lead Architect

Todd Boggess, AIA, NCARB

Design & Production

Steve Mackey
Nathan Turner

Construction Documents

Dale East

Construction Administration

Chris Canterbury

Consulting Engineering Firm – Professional Service Industries (PSI)

Department Manager

Greg Kinton, AIA

Project Manager

Nicholas Szakelyhidi, CDT, EIT

Building Envelop Inspector

William P. Sause

Todd Boggess, AIA, NCARB, Architect
President



EDUCATION

- Master of Architecture, Clemson University School of Architecture
- International Studies, Clemson University Daniel Center for Urban Design & Building Studies, Genoa, Italy
- Bachelor of Arts Degree in Design, Clemson University School of Architecture

RESPONSIBILITIES

Todd joined ETB as a project architect and office manager in 1988 after graduating from Clemson University. In January, 2001, he assumed the office of President.

Todd is responsible for . . .

- architectural design and development
- project management and coordination
- computer aided design and visualization
- interior design
- site planning

Your project will receive his complete attention, from the interview and project meetings, through the construction process. As the president of the firm, you are putting your trust in him and he takes that commitment very seriously. He wants to make sure you are satisfied with our service, performance, and design.

PROFESSIONAL

West Virginia Board of Architects (2014) – Governor Tomblin appointed Todd to this board which is responsible for protecting the life, health and property of the people of the State of WV by ensuring that proper architecture practices are used in the state.

Princeton Zoning Board of Appeals (since 2000) – Todd has been asked to serve on this local committee for the past 15 years. He currently serves as vice-chair. The board is responsible for reviewing and ruling on appeals to the existing Princeton Zoning Laws.

National Council of Architectural Registration Boards (NCARB) - Member

American Institute of Architects (AIA) - Member

LICENSES

Todd is currently licensed in the following states:

- West Virginia
- Virginia
- Kentucky

PROJECTS

Todd understands the demands being placed on all state agencies as they strive to offer the necessary services to our citizens and their efforts to do so within limited budgets. While he has always incorporated energy efficiency into his designs, the focus on green technologies over the past decade has definitely changed the architectural and construction industries. Todd's designs for every governmental building, both new construction and renovations, must address these requirements and ensure the safety of citizens who will be using the facility, as well as the employees who will be working from their new environment on a daily basis.

PROJECTS – Governmental

- Princeton Public Library (*Renovation*), Princeton
- WVARNG Joint Forces Headquarters (*Renovation*), Coonskin Park, Charleston
- WVARNG Armory Window Replacements (*Renovation*), Martinsburg, Salem, and Clarksburg
- WVARNG Readiness Center, Elkins
- Mercer County Courthouse Annex, Princeton
- Princeton Public Library (*Renovation*), Princeton
- Mercer County Courthouse Improvements & Energy Upgrades, Princeton
- Mercer County War Memorial Building Improvements(*Renovation*), Princeton

AWARDS

- WVAIA "Honor Award" for Renovation Design of the Princeton Public Library – April 2012
- Princeton/Mercer County Chamber of Commerce "Excel Award" – January, 2011
- *West Virginia Executive Magazine's* "Young Guns" - Fall, 2003
- Princeton/Mercer County Chamber of Commerce "Citizen of the Year - 2000"
- Princeton Elks Club "Citizen of the Year - 2000"

Stephen Mackey
Planning & Design



EDUCATION

- Bachelor of Arts Degree in Design, Clemson University School of Architecture
- Master of Architecture, Clemson University School of Architecture

RESPONSIBILITIES

With over 30 years of experience in all phases of design and construction, Mr. Mackey brought strong design, management and leadership skills to the firm. His significant experience has enabled him to successfully oversee the design and construction of a number of large educational projects. Specific project responsibilities include:

- code review and analysis
- program development
- conceptual design
- design visualization
- project coordination
- construction specifications

PROJECTS

Prior to rejoining ETB in 2009, Steve served as Executive Vice President of Powers Design (Powers Mackey Reidenbach & Lanehart) in Ponte Vedra, Florida. In addition to his design responsibilities, Steve assists with quality control and constructability reviews for the firm's projects. Mr. Mackey also served as project manager on several large school projects in the state of Florida and has been focused on government/public projects since his return to ETB.

- WVDOH District 1 Headquarters Complex - Office Building, Charleston
- WVARNG Readiness Center, Elkins
- Fine Arts & Sciences Building for New River Community & Technical College, Lewisburg
- New River Community and Technical College Headquarters & Allied Health Building, Beckley
- North Central Advanced Technology Center for the WVC&TCS and Allied Health, Fairmont
- Advantage Valley Advanced Technology Center for the WVC&TCS, So. Charleston

Nathan Turner, LEED G.A.
Project Manager



EDUCATION

- Bachelor of Science, Engineering – Architecture, Fairmont State University
- Master of Architecture (May, 2009), Boston Architectural College

RESPONSIBILITIES

Mr. Turner joined ETB in 2009 and brought with him a wealth of experience in architectural design, as well as construction methods and practices. His prior experience with educational facilities has already proven extremely valuable as we have several elementary, middle, and high school projects at various stages of completion. Nathan has obtained LEED certification and will assist in our efforts to provide a “green” approach to as many projects as possible.

Specific project responsibilities include:

- architectural programming
- construction documentation
- project management
- project coordination
- construction specifications
- construction administration

PROJECTS – Public Buildings

- WVARNG Readiness Center, Elkins
- Fine Arts & Sciences Building for New River Community & Technical College, Lewisburg
- New River Community and Technical College Headquarters & Allied Health Building, Beckley
- North Central Advanced Technology Center for the WVC&TCS and Allied Health, Fairmont
- Advantage Valley Advanced Technology Center for the WVC&TCS, So. Charleston

Dale East
Architectural Intern



EDUCATION

- Bachelor of Science - Architectural Engineering
Bluefield State College

RESPONSIBILITIES

Mr. East is an architectural intern with 10 years of experience who joined ETB in November of 2013. Prior to returning to Princeton, his work at architectural firms in Tennessee allowed him to manage projects from New Jersey to Atlanta, ranging from educational facilities to zoological exhibits. Dale is involved in all phases of design documentation and production and is eager to handle any task needed to ensure a smooth project flow from start to finish.

Specific project responsibilities include:

- 3D modeling
- graphics/imagery
- construction documentation
- project coordination

PROJECTS

- WVARNG Coonskin (*Renovations*), Charleston
- WVARNG Armory Window Replacements (*Renovations*), Martinsburg
- WVARNG Armory Window Replacements (*Renovations*), Clarksburg
- WVARNG Armory Window Replacements (*Renovations*), Salem
- Bill Cole Used Car Dealership (*Renovations*), Green Valley
- Creekside Villas (*Exterior Renovations*), Snowshoe

Chris Canterbury, Associate AIA
Construction Admin Manager



EDUCATION

- Bachelor of Science Engineering Technology/Architecture, Fairmont State University

RESPONSIBILITIES

Chris joined ETB in 2000 as a CADD Technician. His focus in recent years has been project administration and his current position of Construction Administration Manager reflects that area of expertise. Your project will benefit from his superb organizational skills. He attends meetings and keeps track of your needs and wishes through notes and minutes. His timely response to submittals will ensure that your project stays on its construction schedule.

Chris is responsible for . . .

- construction administration
- organizing and attending meetings
- distribution of minutes and progress reports
- contacting material suppliers
- responding to contractor's requests for information
- reviewing submittals and shop drawings
- site visits/observations

PROJECTS – Public

During the construction process, Chris attends the regular progress meetings, as well as special meetings with material suppliers and sub-contractors. He works closely with the contractor in maintaining the budget, adhering to the schedule, and ensuring quality control.

- Mercer County Courthouse Annex (*Historical Renovation*), Princeton
- Mercer County War Memorial Building (*Historical Renovation*), Princeton
- Princeton Public Library (*Historical Renovation*), Princeton
- Mercer County Courthouse Improvements & Energy Upgrades, Princeton
- Bill Cole Used Car Dealership (*Renovations*), Green Valley
- Creekside Villas (*Exterior Renovations*), Snowshoe



Greg Kinton, AIA
Department Manager – PSI Facilities and Roofing
Fairfax, Virginia

Year started with PSI: 2010
Years experience with other firms: 26

Education

- Bachelor of Architecture, University of Tennessee

Certifications/Registrations/Technical Training

- Licensed Architect – Commonwealth of Virginia 1988
- PSI Project Manager Certification Program, 2010
- PSI Principal Consultant, 2011

Affiliations/Memberships

- American Institute of Architects

Professional Experience

Mr. Kinton is the Department Manager of the Facilities Engineering and Roofing Department in PSI's Fairfax, Virginia office. He has more than 30 years of experience as an Architect specializing in facilities consulting and project management services on all types of buildings. He is an expert in building envelope construction, water and air intrusion investigations, property condition assessments, failure analysis, ADA accessibility surveys, contract document plans and specifications, forensic evaluations, special testing and project quality assurance.

Representative Building Envelope Consulting Project Experience

- Bedford Building, Longwood University, Farmville, Virginia – Program Manager on air leakage testing of representative window samples per ASTM E 783, Air Barrier Membrane adhesion testing per ASTM D 4541, and select building area air barrier pressurization to ASTM E 799.
- Building 5100, Aberdeen Proving Grounds, Aberdeen, Maryland – Program Manager responsible for consultation and quality assurance observation services for window and door flashings and sealants, roof assemblies, weatherproofing and wall panel installation.
- Unity Health Center, Washington, DC – Program Manager for Quality Control review of the building air barrier design including and shop drawings review on a 3-story new regional health facility. Performed quantitative testing of the building envelope and air barrier assembly in general accordance with ASTM E 779, using pressurization and depressurization, with ASTM E 1186 for leak detection.
- Residential Highrise Tower, Bethesda, Maryland – Project manager for air infiltration investigation with infrared thermal imaging on a 24-story residential tower with higher than expected energy bills. Project included air infiltration testing of multiple windows and façade components, façade scanning with IR camera to determine areas of suspected air infiltration and support for forensic engineers to evaluate the building façade for energy use calculations.

Greg Kinton, AIA

Department Manager - Facilities Engineering and Consulting
Fairfax, Virginia

- Loudoun County Youth Center, Leesburg, Virginia – Project Manager for building envelope consulting and limited visual moisture intrusion survey for new construction project experience water infiltration through the foundation and at-grade walls.
- Vantage Park Plaza, Sterling, Virginia – Provided water infiltration testing and consulting on a 2-story commercial office building exhibiting wholesale façade water infiltration issues. Investigation included exterior wall water infiltration testing and consultation of proper wall/window remediation repairs.
- Galaxy Building, Silver Spring, Maryland – Provided project management air and water leakage testing for window glazing in general accordance with ASTM E 783 and ASTM E 1105.
- NARMC Headquarters & Dental Clinic Buildings, Fort Belvoir, Virginia – Program Manager for building envelope consulting, quality assurance, and testing services including building air barrier pressurization and depressurization testing in general accordance with ASTM E 779 and ASTM E 1186, and glazing assembly air and water leakage testing in general accordance with ASTM E 783 and ASTM E 1105.

Representative Facilities Engineering Project Experience

- National Geospatial Administration building, Springfield, Virginia - Project Manager for the testing of fall protection system as a component of the skylight assembly over the atrium of the new National Geospatial Administration building.
- Red Deer Apartment complex, Hurricane, West Virginia - Authored Contract Documents for the retro-fit of the attic ventilation at the Red Deer Apartment complex.
- BAE Systems, Columbia, Maryland - Project Manager for the testing of a dissipative floor tile assembly to determine the resistive electrical properties on a raised computer room floor.
- South African Embassy, Washington, DC - Program Manager for survey and documentation of existing steel for complete renovation of the Residence and Chancery buildings.
- Gaithersburg, Maryland – Senior Project Manager for a big box retailer in managing the inspection and repair documents for a masonry wall failure due to local seismic activity.

Representative Waterproofing and Roof Consulting Project Experience

- New Fitness Center building, Dover Air Force Base, Dover, MD – Project Manager for project consisting of Contract Administration and Quality Assurance Monitoring for quality control in support of the General Contractor during the roofing phases of construction.
- Virginia Department of Corrections – Program manager responsible for oversight on multiple locations in the Virginia prison system providing QA inspection for roofing systems installation.
- Alexandria Square Condominiums, Alexandria, Virginia – Program Manager for a 13-building condominium complex to determine causes of water infiltration into the building basements. The project included coordination of Geotechnical Engineers,

Greg Kinton, AIA

Department Manager - Facilities Engineering and Consulting
Fairfax, Virginia

Civil Engineers and Structural Engineers. Multiple waterproofing concerns were identified relating to correcting the wet basements.

- SERC Campus, Edgewater, Maryland - Managed the design team for a Smithsonian Institute re-roof project including new standing seam metal roof, glass skylights and wood framing repair/replacement on a historic building on the SERC campus.
- US Department of the Treasury - Project Manager for the Solar Reflectance Index (SRI) testing of the roof membrane.
- Creekside at Shoeshoe Condominiums, Snowshoe, West Virginia – Project manager for a 36-unit condominium complex with water infiltration issues, code compliance issues and building envelope construction concerns. Provide full report detailing recommended remediation for identified issues.
- Virginia Community College System, Richmond, VA – Program Manager for the community college system for roofing inspection on the new Learning Resource Center at Tidewater Community College in Virginia Beach, VA. Project includes the staffing of on-site, full time, level III roof inspectors and the management of daily activity reports as well as roof consulting to the VCCS project management team.



Nicholas Szakelyhidi, CDT, EIT
Project Manager
PSI Facilities and Roofing
Fairfax, Virginia

Year started with PSI: 2014
Years experience with other firms: 9

Education

- Bachelor of Science in Architectural Engineering, Penn State, 2006

Certifications/Registrations/Technical Training

- Engineer-In-Training
- Certified Construction Document Technologist

Professional Experience

Mr. Szakelyhidi has over 10 years of experience in the assessment, investigation, design, and management of building structure and envelope projects. His education in architectural and structural engineering, and involvement in multi-disciplinary building projects gives him a holistic perspective on building construction, operations, maintenance, and repair. He has managed projects for a variety of clients including residential, commercial, institutional, and government entities. In addition to experience with building envelope, waterproofing, and structural systems, his specialty project skills include historic restoration, sustainability, hazardous materials, fall protection, life-cycle analysis, and code/accessibility assessment.

Representative Waterproofing and Roof Consulting Project Experience

- Confidential Defense Contractor Campus, Gaithersburg MD – Project Manager for design and replacement of over 200,000 square feet of existing roof systems at two buildings on a secure campus. Hazardous material considerations existed in existing roof removal. Design incorporated structural framing modifications for skylight abandonment, robust system selection for puncture and leak resistance, and increased thermal and solar reflective performance to meet client environmental and energy savings goals. Projects were performed successfully with minimal impact to ongoing operations in occupied buildings.
- Town Square Towers Condominium, Washington DC – Project Manager for replacement of low-slope and steep-slope roofing systems on condominium building on urban city site. Performed inspection and troubleshooting during project to address difficult transition and detail conditions.
- Pentagon Row Shopping Center, Arlington, VA – Project Manager for assessment of various waterproofing and structural components of large, active shopping center and its below-grade parking facility. Provided design and management services to address immediate issues and phased repair of other identified defects over several years.
- DoubleTree Crystal City, Arlington, VA – Project Manager for assessment of existing roofing systems, and oversaw the design and installation of roof replacements. Project also included fall protection assessment, design, and load testing.

Representative Building Envelope Consulting Project Experience

- Virginia Community College System, Various locations in Virginia – Project Manager for building envelope commissioning on new construction and existing building renovation projects. Commissioning tasks included design review and improvement, quality control and assurance observations during construction, and performance validation testing. Served as point of contact for building envelope commissioning agent and oversaw team of assessors and technicians.
- Tower Villas Condominium, Arlington Virginia – Project Manager for high-rise residential and commercial building roofing, waterproofing, façade, masonry, and parking garage renovations. Services were performed over many years and included extensive planning to phase and implement projects as to make best use of available budgets and minimize disruptions to site residents and commercial tenants. Regularly provided on-call, urgent consultation.
- Mass Court, Washington DC – Assessor for property condition assessment and Project Manager for façade restoration. Part of team performing assessments for property during high-value real-estate transaction. Provided owner with report of conditions and prioritized repair projects to address building deterioration and design/construction defects. Procured and implemented restoration projects including façade rehabilitation, accessibility barrier removal, and parking garage repair and improvement. Provided overall focus on life-cycle and building functionality improvements.
- Evening Star Building, Washington DC – Project Manager for rehabilitation of historic stone masonry façade. Rehabilitation project included detailed assessment of historic façade and its coexistence within a modern addition, the selection of materials and methods for restoration, and oversight of the execution of the restoration contract for the owner. Additional services included design and oversight of a parking garage restoration project at the property.
- St Asaph Square Condominium, Alexandria VA – Project Manager for roof and façade leak investigations. Performed on-site assessments, and developed and administered testing procedures to identify existing defects. Utilized data obtained during assessment and testing to develop cost-effective repairs to address persistent leak issues related to roofing, masonry, and horizontal waterproofing elements and their various interfaces. Helped the owner resolve leak issues that had been causing significant damage, displacing residents, and threatening to incite litigation.



William P. Sause
Roof Observer & Building Envelop Inspector
PSI Facilities and Roofing
Fairfax, Virginia

Year started with PSI: 2012
Years' experience with other firms: 20

Certifications/Registrations/Technical Training

- Worker Fall Prevention and Protection Course
- Lead Renovator Level 1
- Scaffold Safety Training
- PSI ClickSafety C3 Competent Person, Fall Protection
- PSI ClickSafety C2 Fall Protection
- PSI Roof Observer Course
- OSHA 10-Hour
- Portable Nuclear Gauge Certification
- ITC TH10 Thermography Basics Certification

Professional Experience

Mr. Sause has over 20 years in the roofing and waterproofing industry. He has served as project manager and field superintendent for roofing and waterproofing projects of all types including historical renovations and new construction. He has been responsible for the monitoring and inspection of fabrications, roofing, waterproofing, and architectural sheet metal on a daily basis. His duties also include roof failure investigations, roof condition surveys and building envelope inspections.

Representative Waterproofing and Roofing Project Experience

- Old Post Pavilion, Washington D.C. - Field superintendent for the slate roof and built-in gutter replacement. Responsible for conducting daily site visits to assess progress of the roofing and metal replacement.
- Department of Treasury, Washington D.C. - Field superintendent for the built-in gutter expansion joint installation. Responsible for the installation and sealing of new caulking at water tables.
- IRS Building, Washington D.C. - Roof inspector for the emergency replacement of the Mission tile roof. Responsible for securing the existing tile and inspection of the built-in gutters, producing inspection reports and coordinating with the building management staging the start of the roof repairs and built in gutter replacements.
- Department of Justice, Washington D.C. - Field superintendent for the cooling tower roof replacement. Responsible for the daily activities of the roof replacement including demolition, debris removal, and installation of new roofing assemblies.
- Harford County Schools, Maryland - Project manager for the installation of solar panel padding installation project at 4 county schools. Responsible for daily site visits, daily reports and time management and site layout according to blueprints.
- Stafford County Schools, Virginia- Field Superintendent for the gymnasium roof replacement and interior painting. Responsible for the daily activities of the roofing contractors and painters including scheduling, site visit reports, material deliveries, debris removal, cleanliness and safety of jobsite.

- Walmart Special Projects, Pennsylvania- Roof observer for the Walmart Corporation during the building/renovations of multiple stores. Responsible for the observation of roofing contractors during the installation of roofing materials to insure the client will receive a watertight, properly installed roofing system, quality control reports and communication with project management.
- Virginia Community College System, multiple campuses, Virginia – Full-time roof observer during construction of new roofing systems including single-ply and built-up membrane assemblies. Provided peer review and comment of roof drawings and submittals and participated in monthly owner's progress meetings. Performed nuclear moisture density testing on recently completed roof installations as well as infra-red testing when needed.

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

Todd Boggess, President
 (Name, Title)
Todd Boggess, President
 (Printed Name and Title)
PO Box 727, Princeton, WV 24740
 (Address)
(P) 304-425-4491 / (F) 304-425-2028
 (Phone Number) / (Fax Number)
etb@etbarchitects.com
 (email address)

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

E.T. Boggess Architect, Inc.
 (Company)
Todd Boggess Todd Boggess, President
 (Authorized Signature) (Representative Name, Title)

Todd Boggess, President
(Printed Name and Title of Authorized Representative)

November 9, 2016
(Date)

(P) 304-425-4491 / (F) 304-425-2028
(Phone Number) (Fax Number)

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

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

DEFINITIONS:

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

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

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

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: E.T. Boggess Architect, Inc.

Authorized Signature: *[Signature]* Date: November 9, 2016

State of West Virginia

County of Mercer, to-wit:

Taken, subscribed, and sworn to before me this 9 day of November, 20 16

My Commission expires March 11, 20 18

AFFIX SEAL HERE

NOTARY PUBLIC

[Signature]

Purchasing Affidavit (Revised 08/01/2015)

