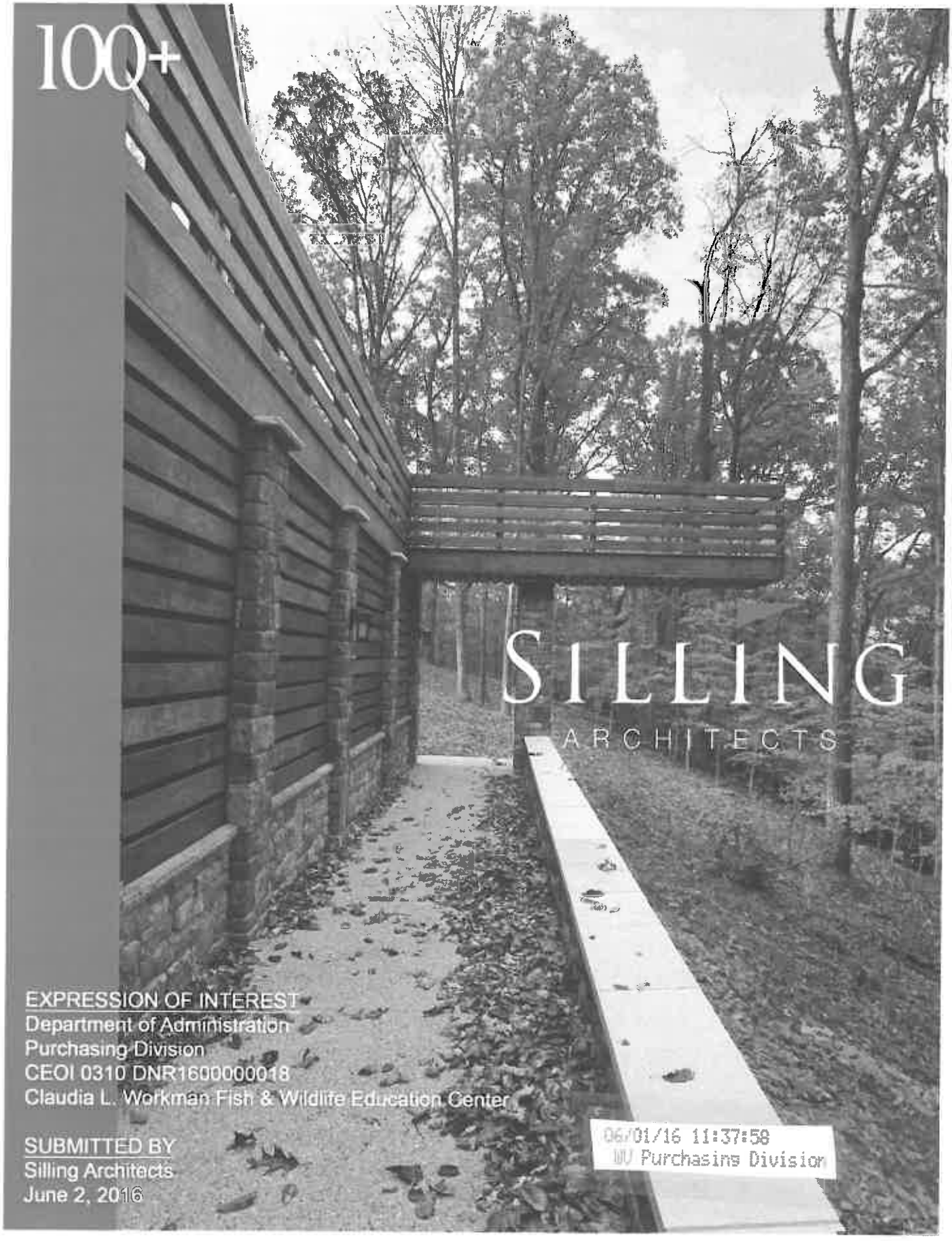

EXPRESSION OF INTEREST
Department of Administration
Purchasing Division
CEOI 0310 DNR1600000018
Claudia L. Workman Fish & Wildlife Education Center

SUBMITTED BY
Silling Architects
June 2, 2016

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SILLING
ARCHITECTS

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June 2, 2016

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

Re: Expression of Interest
CEOI 0310 DNR1600000018
Claudia L. Workman Fish & Wildlife Education Center

Dear Selection Committee Members,

Silling Architects is pleased to submit our qualifications to the West Virginia Division of Natural Resources for the new Claudia L. Workman Fish & Wildlife Education Center.

Established in 1902, Silling Architects is a West Virginia firm through and through. For over a century, our award-winning firm has delivered exceptional architectural services to an immensely diverse clientele. The commonality of our work is not depicted in any particular architectural style or design vocabulary. Rather, our work is about a great appreciation of people – those people that entrust in us the responsibility of creating space through the investment of human and financial resources. We hope that our designs resemble who they are, and hope that our services are delivered with a care that resembles our client relationships. Humility and pride, often competing notions, are reoccurring characterizations that you will see over and over again both in this submission as well as through the many testimonials and references you would receive from our clients and teammates. They are very much defining traits of the culture of our business, and our staff live these qualities in every professional service that is provided.

We believe our architects, designers, and technical staff have the talent, research, and listening capacity to provide solutions for ANY challenge. At the same time, we have developed an expertise in several rewarding building typologies centered around the justice, worship, education, office, and recreation markets. Silling offers a wonderfully diverse staff of senior partners, talented architects and designers, modeling and production specialists, and construction administration professionals. While the size and efficiency of our staff is such to produce very large and complex design projects, we remain a firm focused on design, innovation, and the highly collaborative studio model. Every project we undertake benefits from the perspective of a simultaneously creative, experienced, innovative, and tested group of design professionals.

Completing our consulting team of design professionals are Scheeser Buckley Mayfield (mechanical, electrical, plumbing, and telecommunications engineering), SMBH (structural engineering), and Terradon Corporation (civil engineering & land development).

We would love to talk more with you in a personal interview about your project and give you a greater sense of the hard work and honesty that you would continue to receive from Silling.

We look forward to the opportunity to meet with you soon.

Sincerely,

Jody S. Driggs, AIA, NCARB | Principal
Silling Architects

100+ **Silling Architects, Inc.**
405 Capitol Street, Upper Atrium
Charleston, WV 25301

Introduction

Silling Architects is a West Virginia practice, through and through. Established in Charleston in 1902, we take great pride in being the longest continuing practice in the state and one of the oldest in the country. Our legacy of bettering the lives of West Virginians through the built environment is a commitment we make with much enthusiasm, creativity and hard work. Ours is a practice centered on client service; learning their needs and devoting our energies into producing buildings that exceed their expectations at every level. Our success is evidenced by a reputation throughout the state for clear project leadership, highly detailed documents, and completed works which speak to the values and goals of the clients and communities for which they are built. As a legacy architectural firm with deep roots throughout the state, we are committed to the success of the Claudia L. Workman Fish and Wildlife Education Center. Understanding the vision of the West Virginia Division of Natural Resources forms the inspiration to what we see as our primary role in serving you: ***project leadership from start to finish***.

As your architect, we will lead the design process from pre-planning, programming, design and construction document production, construction administration, and post-occupancy support. Our experience is something that a number of clients throughout the state of West Virginia have come to rely on. As general practitioners of architectural design, Silling Architects has extensive recent and relevant, as well as historic, experience with every building type. While we certainly have a core of project typologies that have evolved within our specific market demands, we have been highly successful through our flexibility and competencies to deliver excellent service for projects large and small, and in a broad range of uses. Recent work reflects a wide range of projects including collegiate campus master plans and new convocation centers and arenas, recreational and wellness facilities, governmental projects ranging from small renovations to 100,000 square foot new county facilities, new hotel and resort facility designs, & custom sustainable design services for single family residences. In recent years, our firm has designed over 2 million square feet of building construction touching virtually every sector of building occupancy classification. We believe this generalization of practice and wealth of project experience uniquely qualifies our firm and team of consultants to serve the needs of the WVDNR.

Our abilities **to communicate, organize, schedule, adapt, and coordinate** with all project stakeholders at a high level of efficiency will be crucial to the success of your project. Our qualifications for this work are exhibited by a team of architects and designers handpicked for their respective qualifications and skill sets, a vastly diverse portfolio, and

specifically our own unique collective and individual experiences in delivering the most refined design services for our West Virginia clients.

Our staff is comprised of five licensed architects with a combined 108 years' of professional experience in design and project management. Over the last five years, we have maintained an average staff of 17 serving the architectural and interior design disciplines. Each of these individuals bring unique qualifications, certifications, licensures, and professional service credentials, as well as a powerful resume of collegiate honors, graduate degrees, and community involvement. Tom Potts and Jody Driggs, owners of the firm, have served as past presidents of the West Virginia Chapter of the American Institute of Architects. In total, our firm currently employs a professional staff of sixteen individuals dedicated to the architectural, planning, and interior design disciplines.

Our firm's architects hold combined licensure in six states including West Virginia, Virginia, Ohio, Kentucky, Pennsylvania, and Maryland. The core team of professionals hold certifications with AIA, NCARB, LEED AP, CSI, CEFPI, and historic preservation groups to name a few. Each bring a keen perspective of architectural design, project management experiences, and have been honored with design awards throughout their professional careers. In addition to these six architect employees, Silling has three additional architectural designers holding professional degrees and pursuing licensure. Collectively, our designers have graduated at the top of their class in both bachelor and master's degree programs across the country and have been instrumental in expanding our sustainable design philosophy focus, our technical design software palette including Building Information Modeling, rendering, and production software, and are all active participants in the ongoing design dialogue of every project we undertake.

Likewise, our team of engineering consultants represents the most competent and capable firms in their respective disciplines, each has a strong history of collaborating with Silling Architects for all major projects over the last twenty to thirty years, and they have a proven history of delivering exceptional services to a long list of clients throughout WV. We have grown accustomed to responsive design solutions and continue to hire each of these consultants due to the level of principal involvement and professional care they deliver. As with the case of our firm, the principals and partners of every design team member we bring will be actively involved with the WVDNR, and each will serve daily design and production roles ensuring that design excellence is achieved. Silling Architects' collective staff resources, as well as those of our consultant team members, presents great capacity to service the various projects required under this contract. We believe through both capacity in numbers, as well as talent, that no other West Virginia firm is more qualified to deliver the scope of services required to produce the expected quality of programming, design, document production, and construction administration support within the budgetary and scheduling constraints required under this contract.

Our Consulting Team Members

Silling Architects is a firm solely focused on planning, architecture, and interior design, and we routinely partner with the region's most qualified engineering consultants to provide innovative and sensitive system solutions. While the right-fit partner might vary for particular projects, we are confident that our most trusted and called upon partners are uniquely qualified to serve your team in this endeavor.

Scheeser Buckley Mayfield, LLC – MEP & Telecommunications Engineering
Scheeser Buckley Mayfield will provide mechanical, plumbing, electrical, fire protection, and telecommunications engineering services for the team, and has a long and proven track record for excellent design service to public and private clients in West Virginia and Ohio. SBM has been the MEP engineer of choice for Silling Architects for more than a decade serving a great multitude of projects totaling well over 1 million square feet of construction. Together, we provide the WVDNR a long and successful history of project collaboration and professional service that ensures a highly technical, yet seamless integration of architecture and engineering design.

SMBH, Inc. – Structural Engineering
SMBH will provide structural engineering services for the team. Our firms have been collaborating on projects for over 25 years, and they've proven to be a tremendous professional resource and teammate throughout each and every design commission. They have served an impressive list of clients throughout the state of West Virginia and they are highly-regarded for providing professional structural engineering services and documents known for their constructability, attention to detail, and efficiency.

Terradon Corporation – Civil Engineering & Landscape Architecture
Terradon Corporation will serve as the civil engineer and landscape architect of record on our team offering a wide range of land development and engineering services, and is particularly suited to serve the project given their past successful

experience serving a multitude of counties, municipalities, and school boards throughout West Virginia. Their firm provides a wide variety of engineering, environmental, surveying, and landscape architecture services utilizing cost effective design solutions and providing the highest level of service to the WVDNR.

Communication & Collaboration

Silling's planning approach philosophy has been the key to the success of our clients' projects. Constituent participation, involvement and input are the foundation of our design process. Our team approach to the design process involves the solicitation of critical information from the WVDNR, its leadership, and stakeholders. We build a team of all the stakeholders and meet regularly to communicate, share information, negotiate, critique, and track. We understand the importance of listening. **This is your project, not ours**. Our task is to listen, respond and then recommend. In a true team effort, communication is two-way. Design charettes are facilitated by Silling which encourage collaboration and communication, exploring multiple, alternative planning solutions and arriving at a design solution that meets the stated requirements, objectives, and priorities.

Ability to Work as a Team Member

Throughout our submission, the notion of humility continues to be common concept. This is certainly an element of our corporate culture that makes for effective team building – a willingness to understand the required roles of the team and step into the role that we are most qualified to play. However, we believe our greatest quality in this regard is a true and deep desire to serve – both our clients and our teammates – fueled by an insatiable drive for project success in every aspect of evaluation.

We recognize that the implementation of your project can only be successfully developed if every member of the team is successful in their efforts. The internal staff at Silling Architects will attack each of our own tasks with passion and purpose, and we are confident that we will prove to be an invaluable asset to the WVDNR. Yet it is our willingness and cooperative spirit to aid and assist each of the project teammates, including our consulting engineers, and the construction entities, to help in every detail to ensure that they are equipped to succeed.

Clarity of roles and responsibilities, clear communication, and team consensus building are foundational for effective teaming, and certainly every player bears the final accountability for their part. But it has been our mindset that, **"it has to be right"** and that we are all working cooperatively toward a shared goal. This project are too important to too many people to have shortcomings even in the finest detail. With a pinpoint focus on what load lies on our shoulders, we have been a firm that tends not to draw a hard and fast line around what we won't do for the project. Rather, we travel to special consultants' offices beyond what may have been expected - at our own cost – if we see that it can benefit our ability to more intimately understand some aspect of the project requirements. We spend additional time in collaboration and dialogue with contractors to assist in scheduling and sequencing issues if we see an opportunity for our clients to benefit. We'll spend exhaustive time, and on a moment's notice, when the owner, construction manager, or general contractor want to take one final look at an alternative solution, system, or material – so that the project might be that much better.

We work hard at the beginning of every project to foster camaraderie with our teammates, starting with our own attitude and approach. We get all the more inspired to serve when there is a meaningful and tangible vision for what a project can be, and **we believe the vision for the new Fish and Wildlife Education Center is one that will naturally ignite our desire to serve as the ultimate team player.**

Quality Assurance / Quality Control Plan

Ours is a proven method, evidenced by repeat client commissions, budget and schedule conforming design documentation, and a history devoid of claims. We understand that QA/QC is a task for the most experienced personnel and requires the devotion of time. This means that it is an expensive commitment, and one that we will not shirk. We recognize that Quality Assurance and Control is perhaps the most critical component of our task as the Architect of Record. We are proven and diligent communicators, document processes thoroughly, and are supremely confident that we will be effective administrators for the team.

Quality Assurance and Control is a regimented process at Silling Architects and we believe our long and successful history, and more importantly, our extensive list of repeat clients, speak to our success as a firm rooted in this task. We dedicate a firm principal to each of the projects put before us, separate from the Project Manager, to endeavor to control quality in both the design and document production phase – not only for our architectural product but for the coordinated work of our engineering consultants as well. Fundamentally, this requires time spent by the most experienced architects in the firm, not focused on the minutia of daily project management, to provide critical peer review and analytical critique

of the work product. However, while most design firms would see this as an internal process directed only at the various design disciplines and documents, we believe we have been most successful when this concept is extended to include quality assurance and control aimed at our client's goals and expectations.

Construction Document Phase

Contract documentation through complete and unambiguous drawings and specifications is a calling card of Silling Architects, and we are regarded in the construction industry as producing the most clear and constructible design documents in our region. We see this as a non-negotiable given, and while we believe our staff is equally immersed in producing meaningful and elegant architectural solutions, we know that our clients expect and require that their projects work, be delivered on time, and be within the stated budgetary parameters. At Silling, thorough construction drawings and specifications are about getting it right.

We will move throughout the programming, schematic design, and design development process in a highly collaborative approach, anticipating monthly design reviews with the WVDNR leadership and stakeholders. Each major project and system component will be reviewed for both first cost and long term maintenance performance. Sustainability, energy efficiency, and code compliance will be major points of consideration. Independent, detailed cost estimates will be produced at both 50% and 95% design completion milestones and resolved to the overall project budget. The final documents represent the entire effort of the team and an integration of site and civil engineering, architectural, structural, mechanical, fire protection, electrical and communications systems. To be most successful the overlap and effective design and coordination of these systems must be an intentional effort on the part of the project management and Quality Assurance team.

We utilize Building Information Modeling in the development of digital design files and carry this technology through the construction document phase, capitalizing on the efficiencies of this delivery tool. We have a time-tested and proprietary living library of details that evolve with the changing innovations of the construction industry and a constantly learning team of architects and engineers. We incorporate the most recognized and reliable format for written project specifications and build our manuals around contract documents developed by the American Institute of Architects and in alignment with the West Virginia State Supplemental Conditions amendments. As the vast majority of our work is publicly funded and competitively bid, we have an unrivalled familiarity with document and specification formats that are industry tested, coordinated, binding, and protective of our clients' best interests.

Construction Administration

The Construction Administration Process is a phase of design services that Silling and our teammates understand and manage with the highest level of professionalism and effectiveness. Most importantly, we will be a cooperative presence on the site representing the owner and design team. While we will need to communicate with you more to understand the nature of staffing most appropriate for our project, we understand that our role will be to protect the owner and ensure that the design intent, both in concept and in detail, is realized. Again, we bring a spirit of cooperation and teaming to do all that we can to avoid construction conflicts and keep the project moving toward a successful implementation of the design concept while being supremely flexible as obstacles present themselves. On a project like this, there can be daily fires to be extinguished, yet the budget and schedule will be strict. Through constant and aggressive communication with construction entities, WVDNR stakeholders, and design team members, we will be a firm but fair voice with the ultimate responsibility and goal of making the project work greatly.

Sean Simon (AIA), Fred Pack, and **Glenn Savage,** who provide Construction Period Services at Silling, works closely with the team's design and production staff throughout the construction document phase and provides construction contract administration services. They are responsible for facilitating preconstruction meetings providing clear definition of project goals and owner expectations, reviewing contractor submittals, product samples, and shop drawings for conformance to the contract drawings and specifications, attending progress meetings to maintain clear communication with builders, observing installation of materials and systems to verify their conformance with the design intent, and monitoring the project schedule. They will be working directly with the design team leadership throughout the entirety of architectural services for a seamlessness and continuity of representation. Likewise, all key principals and design managers from our consulting engineers will be fully engaged in the construction period services, being managed by Sean, Fred, and our firm's principals.

Budget/Bid Performance

Our successful track record throughout West Virginia in meeting our client's budget requirements, we believe, is second to none. It is this record and our continuous ability to accurately estimate and appropriately administer construction projects that will greatly benefit the WVDNR in proper project planning, funding, and implementation. Certainly, no client wants to endure the negativity and frustration surrounding projects that are overbid or wrought with change orders. At

Silling, we are committed to a sound and proven approach to developing a thorough project budget in concert with the owner at the initial project steps: developing accurate project estimates at critical design milestones of 50% and 95% by proven **West Virginia-based estimators**; relying on the information and relationships with general contractors, subcontractors and industry suppliers; compiling a thorough, well-coordinated, and unambiguous set of contract documents; and appropriately administering the construction contract and controlling construction phase changes.

We have found that experience inside the state is critical to the budget success of the project, and the familiarity with the nuances of the local construction marketplace cannot be overstated. Our experience over the past decade with virtually every building type imaginable in West Virginia has created a database that far exceeds the knowledge base of our closest competitors, and we are certain that this experience would directly inform the development of every one of your projects.

Sustainable Design & LEED

Sustainability is best integrated throughout the project from its inception. It is more easily achieved by combining design/construction strategies that both reduce energy demand and those that utilize on-site renewable resources to generate energy. We believe this project is capable of achieving a high degree of sustainability and, if desired by the WVDNR, the programming/design effort will include discussions to explore goals, prioritize options and develop consensus among stakeholders.

Firm Workload

Our Design Team's workload is such that we are able to dedicate significant resources immediately to the project and throughout the development of the project's design through construction completion. In summary, we offer the WVDNR extensive professional resources, immediate availability, and the ability to expedite the project's development, approval, and completion.

SILLING
ARCHITECTS

Who We Are

SILLING ARCHITECTS
Architects + Planners
405 Capitol Street, Upper Atrium
Charleston, West Virginia 25301
p 1.304.346.0565
f 304.346.1522
silling.com

NUMBER OF YEARS IN BUSINESS
114 years

FIRM PRINCIPALS
Thomas M. Potts, AIA
Jody S. Driggs, AIA

TOTAL STAFF
15

LICENSED ARCHITECTS
5

Architectural success is measured by vision and an unwavering dedication to excellence. This axiom was the philosophical birth of Silling Architects by H. Rus Warne in 1902. Following the lead of partners like Warne and its namesake, Cy Silling, the firm today has the proud distinction of being the oldest continuing architectural firm in West Virginia and one of the oldest in the eastern United States.

Our legacy of bettering the lives of others through the built environment is a commitment we take with much enthusiasm, creativity and hard work. Ours is a practice centered on client service; learning their needs and devoting our energies into producing buildings that exceed their expectations at every level. Our success is evidenced by a reputation throughout the state for clear project leadership, highly detailed documents, and completed works which speak to the values and goals of the client and communities for which they are built.

Whether through its early century beaux arts and neo-classical collection, its mid-century modern and post-modern portfolio, or its current contextual vocabulary, Silling has always been renowned as one of the premier architectural firms in the state. Today, Silling Architects continues to have a powerful impact on the region's architectural landscape through fresh, yet solid design and responsible project management.

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Professional Services

Today's dynamic marketplace demands versatility of the design professional. Silling Architects is structured to meet the needs of design/build, construction management, and the traditional design/bid/build delivery methods. Technology has driven the demand for increased design specialization. Collaboration and consensus are principles that are critical to the success of a project. Our staff has a track record of successful projects created both independent of, and in concert with, the most talented professionals within a given building type and engineering discipline. We are committed to delivering quality through understanding the nature of the project and composing the appropriate talents to achieve design excellence. At Silling we offer the following list of comprehensive architectural, planning, and interiors services:

- Feasibility Studies
- Space Planning
- Concept & Design Development
- Furniture & Accessories Design
- LEED & Sustainable Design
- Construction Period Management
- Master Planning
- Architectural Programming
- Interior Design
- Furniture & Accessories Specification
- Building Information Modeling (BIM)
- Flexible Project Delivery

In addition, Silling routinely utilizes the services of some of the region's most qualified and talented engineering consultants, offering a proven history of project collaboration, seamless design integration, and excellent service to our clients.

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Markets We Serve

As general practitioners of architectural design, Silling Architects has extensive recent and relevant, as well as historic, experience with virtually every building type imaginable. While we certainly have a core of project typologies that have evolved within our specific market demands, we have been highly successful through our flexibility and competencies to deliver excellent service for projects large and small, and in a broad range of uses. Recent projects include custom, sustainable design services for single family residences and residential additions, governmental projects ranging from small renovations to 100,000+ square foot new county facilities, new hotel and resort facility designs, state-of-the-art medical office centers, collegiate campus master plans, and new convocations centers and athletic arenas. In recent years, our firm alone has designed nearly 2 million square feet of building construction touching virtually every sector of building occupancy classification.

At Silling, we are very proud of our diversity of design experience and our ability to create architecture that intimately speaks to our clients' missions, programs, budgets, schedules, sites, and their place in time. Silling Associates offers a diverse range of planning and design leadership within the following core markets:

- **Justice** - Courthouse, Judicial, Governmental Administration, Corrections, + Public Safety
- **Education** - Higher Education, Secondary Education, + Vocational Education
- **Workplace** - Corporate, Governmental, Banking & Financial, Retail, & Hospitality
- **Health & Wellness** - Hospitals, Medical Centers, + Medical Office Buildings
- **Worship** - Worship Centers + Educational Centers
- **Recreation** - Hotels & Resorts, Riverfront Development, + Athletic Recreation

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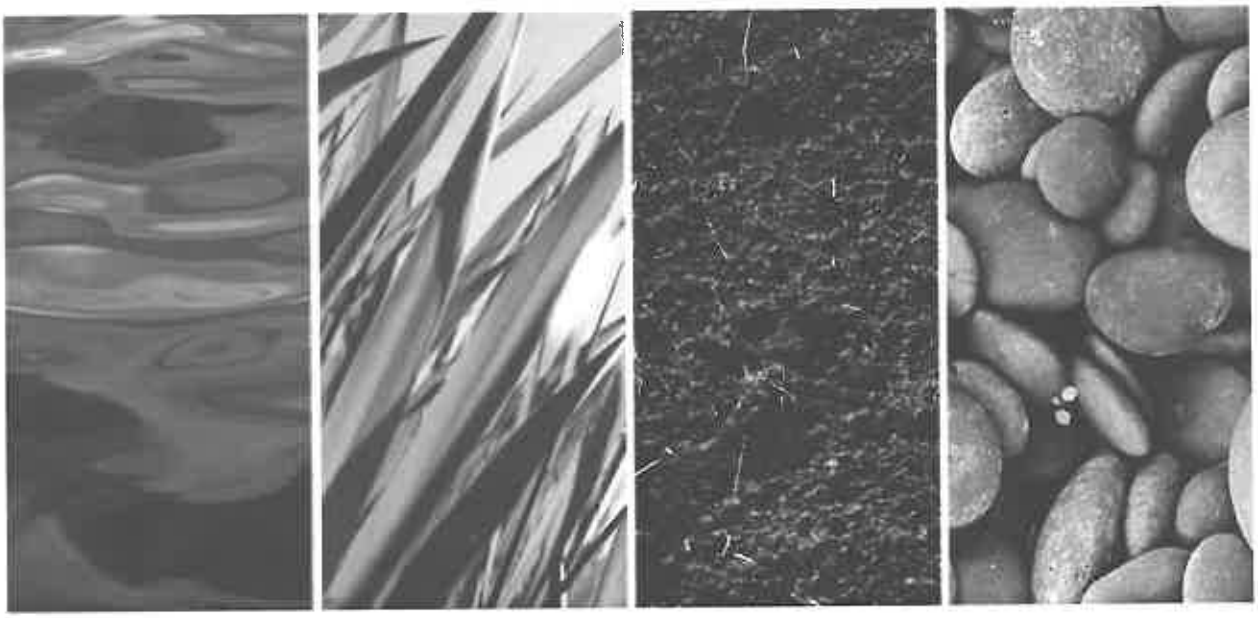
Sustainable Design



Our philosophy about sustainability is based on an understanding that the environments where our clients live, work, learn, and play have a tremendous impact on their health, safety and well-being. Likewise, our work has a direct impact on the ecology of the locations where we build, the air we breathe, and the resources we consume to build. Our commitment to sustainability is evidenced by a fully integrated process where optimal design results derive from a long term project goal perspective which best serves the Triple Bottom Line of people, planet and profit combined with practical, yet sophisticated, technological solutions resulting in High Performance Buildings.

The High Performance Buildings we design embody these core design objectives:

- Site design with minimal disturbance to the landscape
- Stormwater management with no off-site discharge
- Rainwater capture for use as grey water
- Water conservation throughout the building
- Energy-conserving mechanical and electrical systems
- Renewable energy utilization
- Environment friendly products
- Indoor air quality enhancement
- Minimize operations and maintenance resources

LEED AP

LEED

LIVING BUILDING CHALLENGE

As the building industry has shifted toward sustainability, various metrics have emerged which allows architects and the public they serve to both quantitatively and qualitatively measure each project's sustainable features. Silling has experienced staff working with two independent organizations which meter sustainability: the USGBC's LEED rating system and the more rigorous International Living Future Institute's Living Building Challenge. Using either rating system identifies your project's sustainable achievements and acknowledges your organization's leadership and commitment to people, planet and profit.

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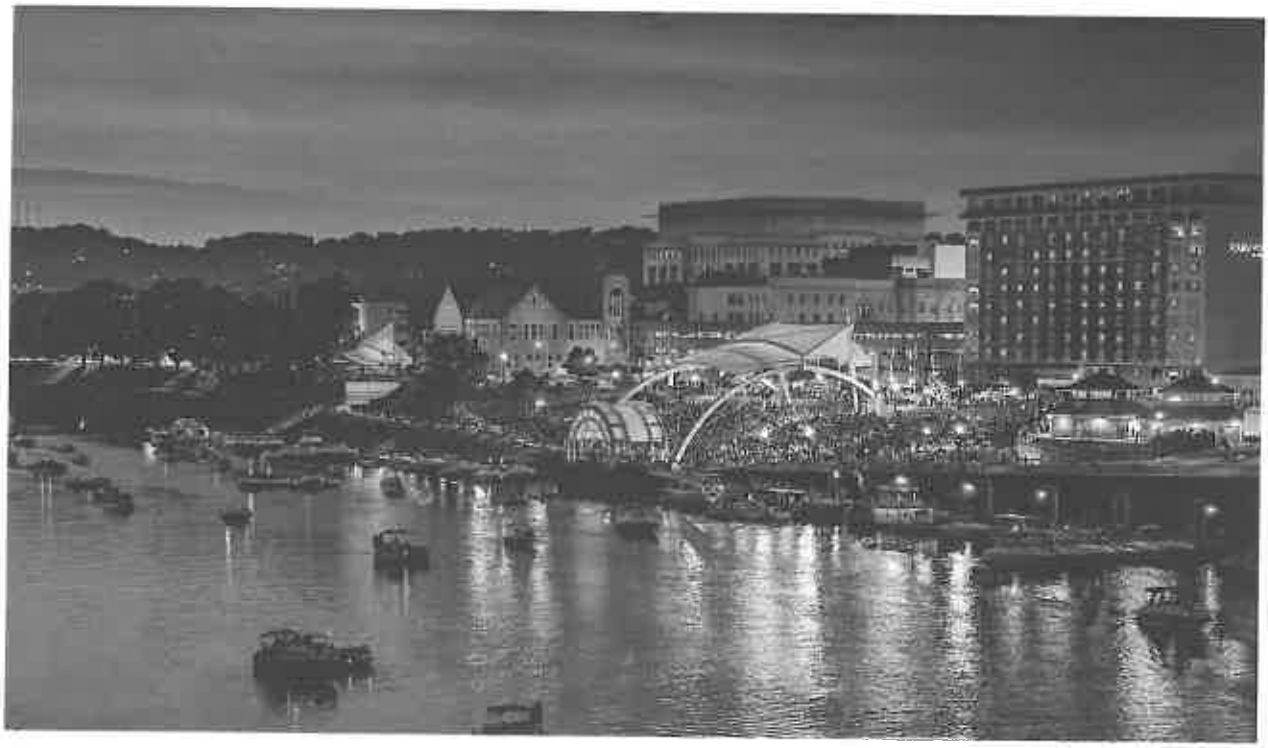
Design Awards



"Architecture is not the picture, it's the frame. Life is the picture." We don't recall which architect to whom we should credit this quote, but we believe it captures with beautiful simplicity the way we try to think about what we do. We have been blessed to work with clients who have inspired us with their story and entrusted us with telling that story through design. Below are a few of the recent awards for which our clients' stories have been recognized.

MONONGALIA COUNTY JUSTICE CENTER
2016 AIA WV Honor Award for Excellence in Architecture

THE SUMMIT WELCOME CENTER
2016 AIA WV Merit Award for Achievement in Architecture

MORGAN COUNTY COURTHOUSE
2013 AIA WV Honor Award for Excellence in Architecture

BIBLE CENTER CHURCH
2009 AIA WV Merit Award for Achievement in Architecture

DIXON JUGHES GOODMAN
2016 AIA WV Honor Award for Excellence in Architecture

LEWIS COUNTY JUDICIAL ANNEX
2015 AIA WV Merit Award for Achievement in Architecture

HADDAD RIVERFRONT PARK
2011 AIA WV Honor Award for Excellence in Architecture

CHESAPEAKE ENERGY EASTERN REGIONAL HEADQUARTERS
2008 AIA WV Honor Award for Excellence in Architecture

STAR USA FEDERAL CREDIT UNION
2004 AIA WV Honor Award for Excellence in Architecture

WALKER CONVOCATION CENTER WV STATE UNIVERSITY
2016 AIA WV Merit Award for Achievement in Architecture

RALIEGH COUNTY JUDICIAL CENTER
2013 AIA WV Merit Award for Achievement in Architecture

MOSES RESIDENCE
2011 AIA WV Merit Award for Sustainability

JAMES C. WILSON STUDENT UNION WV STATE UNIVERSITY
2006 AIA WV Merit Award for Achievement in Architecture

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Resume

PROFESSIONAL EXPERIENCE
20 years

EDUCATION
-Bachelor of Architecture
University of Tennessee, 1996

LICENSES & CERTIFICATIONS
-WV, MD, PA, VA, KY, OH
-National Council of Architectural Review Boards

PROFESSIONAL AFFILIATIONS
-President, American Institute of Architects (AIA), WV Chapter, 2010-2011
-Past Vice President, AIA, WV Chapter, 2008-2009
-AIA WV Scholarship Committee
--Council of Educational Facility Planners International (CEFPI)

AWARDS & RECOGNITION
-2016 AIAWV Merit Award, D. Stephen & Diane H, Walker Convocation Center
-2016 AIAWV Merit Award , The Summit Welcome Center
-2011 AIAWV Honor Award, Haddad Riverfront Park
-2009 AIAWV Honor Award, Chesapeake Energy Eastern Regional Headquarters
-2010 AIAWV Merit Award, Bible Center Church
-2007 "Young Guns" Recipient, West Virginia Executive Magazine
-2006 "40 Under 40" Recipient, The State Journal
-2005 AIAWV Merit Award, James C. Wilson Student Union

Jody S. Driggs, AIA, NCARB

Principal | Design Leader

Jody is a twenty-year member of Silling Associates and has served as a Principal since 2001. His primary focus within the firm is instilling a special notion of service and care in the way that we practice, rooted in a humility responsive to the level of trust our clients have in us. Jody's desire to serve exceptionally is a driving force in the studio's constant efforts of innovation and improvement.

Jody also serves as an active design architect and project manager and appreciates the firm's opportunities to develop solutions for a diverse and ever-expanding client base. He seeks to understand the people within each project, and the stories that project means to tell, in order to customize a design team and engage in a discourse unique to every opportunity. The variety of both building typologies but more importantly, architectural language and character, are evidence of his and the firm's approach to client-centeredness and critical design.

In addition to his leadership in service and design, Jody also manages the daily operational and financial aspects of the firm alongside his wife and office manager, Rachel. Together, they enjoy working to develop a more casual family culture within the studio while also ensuring the financial resilience of the corporation.

Beyond Silling, Jody is a long-standing executive committee member of the West Virginia Chapter of the American Institute of Architects and has served as Director, Treasurer, Vice-President/President Elect, and President. He currently serves as a member of the AIAWV Scholarship Committee where he is committed to supporting young people who will make a difference in our State. He is the chair and founder of WVArchiPAC, advocating for improved public policy that benefits all West Virginians through appropriate design. He also serves on the Board of Directors of the YMCA of the Kanawha Valley.

SELECT EXPERIENCE

John Marshall High School Additions & Renovations , $36 million | Moundsville, WV
Jody served as the Principal in Charge and Lead Designer for this five-phase, $36 million addition and renovation project at John Marshall High School located in Moundsville, West Virginia. Two new additions serve secure-entry and administrative space as well as connect the main and performing arts buildings, while the entire interiors are renovated both in terms of architecture and MEP systems. The building will remain in constant and full usage throughout all phases of the work. The project is being delivered under a Construction Manager as Advisor model.

D. Stephen & Diane Walker Convocation Center, $19 million | West Virginia State University
Jody served as the Principal in Charge, Lead Designers, and daily Project Manager for the state of the art addition and renovations to a Silling legacy project, Fleming Hall. The project included the addition of a 1,400 seat athletic arena also used by over 2,200 in assembly for convocation and commencement ceremonies, as well as the comprehensive renovation to the existing athletic and academic spaces. The design and construction phasing plan allowed for continual occupancy of the facility in concert with the university's critical events calendar and in alignment with both academic and athletic requirements. *AIA WV Merit Award for Achievement in Architecture*

Charleston Riverfront Park Pavilion & Performance Stage, $2.6 million | Charleston, WV
Working as architectural design consultant and Architect of Record for prime contract holder GAI Consultants, Jody served as Principal in Charge for the projects to deliver a highly successful outdoor public assembly project to serve hundreds of thousands of residents and visitors for entertainment, exhibitions, ceremonies, and recreation while making a critical connection of the urban core to its waterfront. *AIA WV Honor Award for Excellance in Architecture*

SELECT EXPERIENCE - Continued:

The Summit Welcome Center, Bechtel Family National Scout Reserve, $10 million | Glen Jean, WV
Silling Associates was selected by the BSA and their project developer, Trinity Works, to serve as lead designer and Architect -of-Record for the new Welcome Center, a gateway for each visitor to the Summit Bechtel Reserve. Jody served as Principal in Charge and led the Silling design studio in close concert with site designers Andropogon and Terradon Corporation. Programmatic elements of the project include a welcome and retail center, power and water buildings, summit overlook, functioning wetlands and cranberry bog, restrooms, and pedestrian/vehicular canopies organized around an educational village plaza. *AIA WV Merit Award for Achievement in Architecture*

Glen Dale Elementary School Renovations, $1.1 million | Glen Dale, WV
Jody served as Principal in Charge for this $1.1 million renovation to an existing 1960s era elementary school located in Marshall County. The scope of work included new rooftop HVA system, selected exterior door replacement, new security vestibule, and window replacement.

River Ridge Church, $3 million | Hurricane, WV
Jody served as the Principal in Charge and Lead Designer for the relocation of this church group to an abandoned former auto dealership in Hurricane, West Virginia. The resulting renovations and alterations created a comfortable, powerful, and purpose-driven design responsive to the relational aspect of River Ridge's worship style.

Bible Center Church, $16 million | Charleston, WV
Silling Associates served as the Architect of Record in collaboration with highly acclaimed church planning and design consultant CDH Partners (Atlanta, GA). Jody served as the Principal in Charge and Overall Project Executive, providing locally-based project design, management, and consultant coordination for this 60,000 square foot Phase I worship center. *AIA WV Merit Award for Achievement in Architecture*

James C. Wilson Student Union, $4.5 million | West Virginia State University
Jody served as the Principal in Charge and Lead Designer for this award-winning addition and renovation to an existing 1960s era Student Union at WV State University. The project included complete renovations of 38,500 square feet on three floors as well as three additions totaling 7,800 square feet. *AIA WV Merit Award for Achievement in Architecture*

Gregory V. Monroe Athletic Complex, $3.5 million | West Virginia State University
Jody served as the Principal in Charge and Lead Designer for this new, $3.5 million facility which houses the varsity football locker room, weight training, instructional, and administrative spaces for the coaching staff.

Judge Damon J. Keith Scholars Hall, $17 million | West Virginia State University
This privately developed 291-bed residence hall was a well-coordinated collaboration between Ambling University Development, Niles Bolton Architects, Choate Construction, Pray Construction, and Silling Associates. Jody provided locally -based peer review of the project's design and construction administration services.

Chesapeake Energy Eastern Regional Headquarters, $41 million | Charleston, WV
Silling Associates was selected as a local design co-collaborator and Architect-of-Record for Chesapeake's Eastern Regional Headquarters by design partner Elliott + Associates from Oklahoma City, OK. Targeted for LEED Gold Certification, the project form and imagery is rooted in the notion of "rotation," the kinetic action of exploration through drilling. Jody served as Principal in Charge and worked with Rand Elliott, FAIA through execution of the project concept through drawing and specification development. While construction was suspended during the site work and foundation packages, all design and construction documents were completed for the 120,000 square foot office complex housing 350 offices, kitchen and dining, fitness, conference, records, and support spaces. *AIA WV Honor Award for Excellence in Architecture*

Kanawha County Public Library, $20 million | Charleston, WV
Jody is serving as the Principal in Charge for this project that will involve a new, free-standing library, additions and renovations to the existing historic library, or the purchase and renovation of an existing downtown building. The project scope includes the development of a new library building program and determining the building footprint, massing, structural grid, floor plans, relationship to the site as well as exterior materials and aesthetic.

Additional Experience:
Cabin Creek Health Systems
Huntington Pediatric Dentistry & Orthodontics
Dixon Hughes Goodman Renovation
West Virginia Lottery Headquarters
Mardi Gras Casino Resort Hotel
WVU Tech Student Center Renovation

SILLING
ARCHITECTS

Resume

PROFESSIONAL EXPERIENCE
26 years

EDUCATION
-Bachelor of Architecture with High Honors, University of Tennessee, 1992

LICENSES & CERTIFICATIONS
-WV, VA

PROFESSIONAL AFFILIATIONS
-Past President, American Institute of Architects (AIA), WV Chapter, 2006-2007
-Past Vice President, AIA, WV Chapter, 2004-2005
-AIAWV Executive Committee Member
-Academy for Justice Architecture, American Institute of Architects

AWARDS & RECOGNITION
-2016 AIAWV Honor Award, Monongalia County Justice Center
-2015 AIAWV Merit Award, Lewis County Judicial Annex
-2013 AIAWV Honor Award, Morgan County Courthouse
-2013 AIAWV Merit Award, Raleigh County Judicial Center
-2004 AIAWV Honor Award, Star USA Federal Credit Union

Tom Potts, AIA

Principal | Design Leader

Tom is a Principal at Silling Architects and is a twenty-year member of the firm. He provides leadership, direction, and management to all aspects of firm including the mission, design quality, and corporate culture. In addition to the broad based firm management, Tom is a skilled Project Manager and recognized leader of Justice Facility Planning with decades of experience designing courthouses, correctional institutions, and law enforcement facilities. He oversees projects from inception to completion, working closely with clients and the construction industry to insure the success of projects under his direction. He takes a "hands-on" approach to every project, working closely with clients to define and detail requirements for their facilities.

Tom graduated with honors in 1990 from the University of Tennessee College of Architecture and Planning. He is a member of the American Institute of Architects and is past president of the West Virginia Chapter of the American Institute of Architects.

SELECT EXPERIENCE

Monongalia County Justice Center, $17 million | Morgantown, WV
Tom served as the Principal in Charge for this 80,000 square foot adaptive reuse of a former federal building located in Morgantown, West Virginia. The project involved the complete interior demolition of this four-level structure and redesigning the building to serve as a 21st century judicial center. The building features three circuit courtrooms, large jury assembly room, two magistrate courtrooms, arraignment room, two family law courtrooms, judicial administration offices, clerks' records storage, central detainee holding, and lower level staff parking. *AIA WV Honor Award for Excellence in Architecture*

Raleigh County Judicial Center, $16 million | Beckley, WV
Tom served as the Principal in Charge for this new, 70,000 square foot judicial facility located in Beckley, West Virginia. The building was developed on a tight urban infill located across from both the County Courthouse and the Robert C. Byrd Federal Courthouse. The new Judicial Center houses three circuit courtrooms and a future circuit courtroom (shell space), two magistrate courtrooms and one future magistrate courtroom, three family law courtrooms, clerk records storage, judicial administration offices, a secure vehicular sally port, and centralized detainee holding. *AIA WV Merit Award for Achievement in Architecture*

Morgan County Courthouse, $11.5 million | Berkeley Springs, WV
Tom served as the Principal in Charge for the new courthouse built in Berkeley Springs, West Virginia, which replaced the historic courthouse that was tragically lost due to fire. The building program includes a mix of county administrative offices on the first floor and county judicial functions including Circuit Court, Family Court and Magistrate Court on the second and third floors. *AIA WV Honor Award for Excellence in Architecture*

Delaware County Courthouse Complex & Integrated Parking Deck, $38 million | Delaware, OH
Tom served as the Principal in Charge and Overall Project Executive for a new $38 million Common Pleas Courthouse and 220-car Integrated Parking Structure located along historic North Sandusky Street in Delaware, Ohio. Once completed, the new complex will house the county's Common Pleas & Domestic Relations courts, Clerk of the Courts, Probation, and Prosecuting Attorney.

SELECT EXPERIENCE - Continued:

Lewis County Judicial Annex, $8 million | Weston, WV
Tom served as the Principal in Charge for this new, 28,000 square foot judicial facility located in Weston, West Virginia. The building includes three courtrooms, a large high density file room for the court clerks, judicial administration offices, a secure vehicular sally port, and centralized detainee holding.
AIA WV Merit Award for Achievement in Architecture

Hampshire County Judicial Center, $5.4 million | Romney, WV
Tom served as the Principal in Charge throughout all phases of the project for this 34,000 square foot courts facility housing the county's circuit court, circuit clerk, magistrate court & clerk, family court, probation, and prosecuting attorney.

WV Statewide Courthouse Facilities Assessment, 2+ million square feet | 55 Counties
Completed for the WV Courthouse Facilities Improvement Authority, Tom served as the Principal in Charge and Lead Author of comprehensive facility assessment reports for each of the state's fifty-five courthouses. In total, this report included an analysis of over 2 million square feet of courthouse space.

Dickenson County Judicial Center, $7.6 million | Clintwood, VA
Tom served as the Principal in Charge throughout all phases of the project for this 35,000 square foot courts facility housing the county's combined General District and Juvenile and Domestic Relations Court, General District and Juvenile and Domestic Relations Court Clerk, court services; and court security staff. Located in Clintwood, Virginia, the building also included a vehicular sally port, central detainee holding, and an enclosed, secure parking for judges.

Marshall County Public Safety Building, $7.2 million | Moundsville, WV
Tom served as the Principal in Charge throughout all phases of the project for this $7.1 million adaptive reuse project located in Moundsville, West Virginia. The new facility houses the Sheriff's Department and county 911/EMS services.

Allegany County District Court, $7 million | Cumberland, MD
Tom served as the Principal in Charge and Lead Designer for this 38,000 square foot District Court facility in Cumberland, Maryland. This adaptive reuse project involved converting an existing one-story former post office into a two-story county court center.

Huttonsville Correctional Center Expansion & Renovation, $16 million | Huttonsville, WV
Tom served as the Principal in Charge for this $16 million dormitory addition and renovation project, which involved a creative lateral expansion of the two three-story dormitory wings and converting them from open, dormitory style housing into more secure two- and six-man housing cells.

Medina County Courthouse Expansion & Renovation, $18 million | Medina, OH
Tom served as the Principal in Charge for the expansion and renovation of the existing Courthouse in Medina, Ohio. The building program provides an additional courtrooms, hearing rooms, and mediation rooms for the Common Pleas Court, Juvenile Probate Court, and Domestic Relations Court. Expanded and modernized court support and county administrative space is provided throughout the old and new sections, public way-finding is significantly improved, building security becomes well-organized and centralized, and all mechanical/electrical/plumbing systems are upgraded.

Medina Municipal Courthouse, $10 million | Medina, OH
Tom is Principal in Charge for this 32,000 square foot municipal court facility housing the city's municipal court, clerk of the courts, magistrates, and probation offices.

Joint Justice Center - Seneca County & City of Tiffin, $12 million | Tiffin, OH
Tom is Principal in Charge for this new, 36,000 square foot court facility serving the City of Tiffin and Seneca County.

Additional Experience:
Cabell County Circuit Courtroom Renovation
Harrison County Judicial Annex Study
Harrison County Courthouse Space Analysis
Harrison County Courthouse Exterior Restoration
Putnam County Courthouse Addition & Renovation
Putnam County Judicial Building
Jefferson County Judicial Center
Hardy County Courthouse Expansion & Renovation
Wetzel County Courthouse Renovations
Pendleton County Courthouse Addition Study
Franklin County (PA) Judicial Center
Brooke County Courthouse Facilities Master Plan
Mineral County Judicial Center
Mineral County 911 & Emergency Services Center
Charleston Correctional Center
Parkersburg Work Release Center
Mount Olive Correctional Complex
St. Marys Correctional Complex
Stevens Correctional Facility
Martinsburg Correctional Center

SILLING
ARCHITECTS

Resume

PROFESSIONAL EXPERIENCE
24 years

EDUCATION
-Bachelor of Architecture
University of Tennessee, 1992

LICENSES & CERTIFICATIONS
-WV

PROFESSIONAL AFFILIATIONS
-American Institute of Architects (AIA), WV Chapter
-Council of Educational Facility Planners International (CEFPI)

PREVIOUS EXPERIENCE
-ZMM Architects + Engineers (2003 to 2011)
-Augusta Engineering (2001 to 2003)
-CBB Architects (1997 to 2001)
-ZMM Architects + Engineers (1992 to 1997)

AWARDS & RECOGNITION
-2016 AIAWV Honor Award, Dixon Hughes Goodman

Brian Estep, AIA

Architect

Brian has twenty-four years of experience as an Architect and Project Manager with involvement in a multitude of building types, most notably within the education, commercial office, and judicial markets. He is primarily responsible for day-to-day project activities including programming, design, construction document production, and coordination of the architectural and engineering disciplines.

Prior to joining Silling in January of 2012, Brian served as a Senior Project Architect for another Charleston architectural practice. Additionally, he previously worked as a Project Architect in St. Petersburg, Florida at CBB Architects from 1997 to 2001 before returning to his home state of West Virginia.

A graduate of the University of Tennessee in 1992, Brian has several notable awards to his credit including an AIA Tampa Bay Design Award for WUSF-TV Studios on the University of South Florida's Tampa campus, as well as an AIA WV Honor Award for the Erma Byrd Center for Public Higher Education located in Beckley, WV.

SELECT EXPERIENCE

John Marshall High School Additions & Renovations, $36 million | Moundsville, WV
Brian served as the Project Manager for this three-phase, $36 million addition and renovation project at John Marshall High School located in Moundsville, West Virginia. The project includes a dynamic new entry addition, a "connector" addition between the main school building and the school's gymnasium and auditorium building, as well as a newly renovated administration suite, a new and expanded dining hall and food service space, science departmentalization and improvements, media center renovations, and various building system upgrades.

John Marshall High School Performing Arts Building, $4.7 million | Glen Dale, WV
Brian served as the Project Manager for this $4.7 million addition and renovation project for the existing Performing Arts Building (including a Gymnasium) at John Marshall High School located in Glen Dale, West Virginia. The project includes a dynamic new entry addition, a newly created strings suite, extensive renovations to the main lobby and restrooms, band and chorus rooms, as well as locker rooms and showers. The auditorium received new seating and refinishing of the original wood wall panels and stage floor.

Raleigh County Bond Projects, Combined $70 million | Beckley, WV
Brian served as the Project Manager for Raleigh County Schools assisting them in developing a county-wide Master Plan in preparation for issuance of a Bond to finance expansions and renovations of existing facilities as well as design and construction of new schools in the county. This work also included the organization of various community-based committees and development of printed materials used by the committees to promote the bond program to the voters of Raleigh County, as well as helping assess selected facilities in an effort to amend the current 10-year Comprehensive Educational Facility Plan (CEFP).

Dixon Hughes Goodman Office Renovation, $621,400 | Charleston, WV
Brian served as the Project Manager for the complete renovation of an entire 12,750 square foot floor of an office building in downtown Charleston. He worked closely with representatives of DHG to develop a tenant fit-out plan that fit with their corporate philosophy, personnel and vision of how their new space should function. *AIA WV Honor Award for Excellence in Architecture*

SELECT EXPERIENCE - Continued

Kanawha County Public Library, $20 million | Charleston, WV
Brian is serving as the Project Architect for this project that will involve a new, free-standing library, additions and renovations to the existing historic library, or the purchase and renovation of an existing downtown building. The project scope includes the development of a new library building program and determining the building footprint, massing, structural grid, floor plans, relationship to the site as well as exterior materials and aesthetic. Brian is working closely with consulting architect HBM Architects (Cleveland, OH), the Library Director and the Library Board and Foundation members during the design process reviewing the plans, 3D models and materials.

Frankford Elementary School Addition & Renovation Study, $7.1 million | Frankford, WV
Brian served as the Project Architect assisting the Greenbrier County Board of Education in the development of their 2014 Needs Based Project application. The proposed project included an addition and major renovations to Frankford Elementary in two phases to provide the students with a learning environment more aligned with 21st century learning as well as improve student safety, accessibility, circulation and visual observation of both the students and the site.

West Side Elementary School, $14 million | Charleston, WV *
Brian's role on this new $14 million, 63,000 square foot community oriented school was that of project architect and project manager while working with a previous WV architectural firm. Combining 380 pre-kindergarten through 5th grade students from two older urban schools, the building features a pediatric dental clinic serving students from this and other schools in the county and a health clinic operated by a local healthcare group that is available to all residents of the community.

Mt. View Middle School / High School, $34 million | Mt. View, WV *
The approximately $70 million program resulted in four new buildings - two elementary schools, one K-8 school and one high school. As Project Architect, Brian developed the educational specifications and schematic design on three of the four schools and complete architectural design and construction documents on one of the elementary schools, Bradshaw Elementary and River View High School (while working with a previous WV architectural firm). Those two projects provided new learning spaces for approximately 1100 students and totaled more than 190,000 square feet and $34 million.

Milton Middle School, $17 million | Milton, WV *
Brian was Project Architect on this new 97,000 square foot, $17 million facility while working with a previous WV architectural firm. Milton Middle School's approach to curriculum delivery is a true middle school concept. The core classrooms are arranged in wings by grade level each of which contain science and computer labs and restrooms. 700 6th through 8th grade students move through the corridors each day on their way to the band room, orchestra room, choir room, computer technology lab or the technical education lab.

Bradshaw Elementary School & River View High School, $34 million | Bradshaw, WV *
As Project Architect, Brian developed the educational specifications and schematic design, as well as complete architectural design and construction documents, for the new Bradshaw Elementary and River View High School (while working with a previous WV architectural firm). Those two projects provided new learning spaces for approximately 1100 students and totaled more than 190,000 square feet and $34 million.

Big Otter Elementary School, $8 million | Duck, WV *
Brian was Project Architect on this new 35,500 square foot rural elementary school while working with a previous WV architectural firm. The building was the first new school in Clay County in approximately 30 years. The $8 million facility combined 260 students from the much older Ivydale and Valley Fork elementary schools. The new school features a Library/Media Center, art and music classroom, computer lab and physical education space.

Erma Byrd Center for Public Higher Education, $7.5 million | Beckley, WV *
Brian's role on this $7.5 million project was that of Project Architect and Project Manager (while working with a previous WV architectural firm). The Erma Byrd Center is a cooperative effort between several colleges and universities in West Virginia. Bluefield State College, Southern West Virginia Community and Technical College, Concord University, Marshall University, West Virginia University Institute of Technology, New River Community and Technical College, and West Virginia University currently utilize the facility to offer many education opportunities ranging from graduate programs, nursing programs to business and teacher education programs. Featured in the 33,000 square foot facility are administrative offices, standard classrooms, distance learning classrooms, a science lab, lecture hall and a multi-media library.

* Denotes experience from previous employment.

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ARCHITECTS

Resume

PROFESSIONAL EXPERIENCE
26 years

EDUCATION
-Bachelor of Architecture
University of Cincinnati, 2003

PREVIOUS EXPERIENCE
-ZMM, Inc., Charleston, WV
(1986-1996)
-HDMR Group, Inc., Charleston, WV
(1996-2006)
-Silling Architects, Charleston, WV
(2008 to Present)

PROFESSIONAL AFFILIATIONS
-American Institute of Architects (AIA),
WV Chapter

Martin Klapproth, Associate AIA

Designer

Martin is a designer with over twenty-five years' experience in the architectural industry, including all phases of project design. Since 1986, he has been providing schematic and construction document production support, project management and supervision, and I.T. support. He has provided various design, production, and/or project management services for the Marshall University Robert C. Byrd Biotechnology/Science Center, Marshall University-South Charleston Campus, and the West Liberty State College Academic, Sports, & Recreation Facility, among others.

Martin joined Silling Associates in 2008 as a Project Manager and has served a number of projects in the justice, education, corporate, healthcare, and recreational markets. His primary responsibilities include schematic design, contract document production and coordination, construction contract administration support, and overall project support. Martin earned his Bachelor of Architecture from the University of Cincinnati in 2003.

SELECT EXPERIENCE

D. Stephen & Diane Walker Convocation Center, $19 million | West Virginia State University
Martin served as a designer for the state of the art addition and renovations to a Silling legacy project, Fleming Hall. The project included the addition of a 1,400 seat athletic arena also used by over 2,200 in assembly for convocation and commencement ceremonies, as well as the comprehensive renovation to the existing athletic and academic spaces. The design and construction phasing plan allowed for continual occupancy of the facility in concert with the university's critical events calendar and in alignment with both academic and athletic requirements. *AIA WV Merit Award for Achievement in Architecture*

Monongalia County Justice Center, $17 million | Morgantown, WV
Martin served as a designer for this 80,000 square foot adaptive reuse of a former federal building located in Morgantown, West Virginia. The project involved the complete interior demolition of this four-level structure and redesigning the building to serve as a 21st century judicial center. The building features three circuit courtrooms, large jury assembly room, two magistrate courtrooms, arraignment room, two family law courtrooms, judicial administration offices, clerks' records storage, central detainee holding, and lower level staff parking. *AIA WV Honor Award for Excellence in Architecture*

Raleigh County Judicial Center, $16 million | Beckley, WV
Martin served as a designer for this new, 70,000 square foot judicial facility located in Beckley, West Virginia. The building was developed on a tight urban infill located across from both the County Courthouse and the Robert C. Byrd Federal Courthouse. The new Judicial Center houses three circuit courtrooms and a future circuit courtroom (shell space), two magistrate courtrooms and one future magistrate courtroom, three family law courtrooms, clerk records storage, judicial administration offices, a secure vehicular sally port, and centralized detainee holding. *AIA WV Merit Award for Achievement in Architecture*

North & South Tower Dormitory Renovations, $16.3 million | Concord University
Martin served as a designer for this exterior and interior renovation of the existing 1960s era dormitory towers at Concord University . The renovation includes a complete recladding of a failing exterior wall system, new roof and windows, interior renovations, and the introduction of a new HVAC system.

SELECT EXPERIENCE - Continued:

Alexander Fine Arts Building & Marsh Hall Renovation, $4.8 million | Concord University
Martin served as a designer for various renovations and improvements to the Alexander Fine Arts Building and Marsh Hall. The scope of work included exterior masonry restorations, new roofs, repairs to the Bell Carillon, ADA accessibility upgrades, a new elevator, HVAC & electrical system upgrades, and fire/life safety improvements.

John Marshall High School Additions & Renovations, $36 million | Moundsville, WV
Martin served as a designer for this three-phase, $36 million addition and renovation project at John Marshall High School located in Moundsville, West Virginia. The project includes a dynamic new entry addition, a "connector" addition between the main school building and the school's gymnasium and auditorium building, as well as a newly renovated administration suite, a new and expanded dining hall and food service space, science departmentalization and improvements, media center renovations, and various building system upgrades.

Morgan County Courthouse, $11.5 million | Berkeley Springs, WV
Martin served as a designer for the new courthouse built in Berkeley Springs, West Virginia, which replaced the historic courthouse that was tragically lost due to fire. The building program includes a mix of county administrative offices on the first floor and county judicial functions including Circuit Court, Family Court and Magistrate Court on the second and third floors. *AIA WV Honor Award for Excellence in Architecture*

Mardi Gras Casino Resort Hotel, $18 million | Cross Lanes, WV
Martin served as a designer for this 150-room, $17 million custom -designed hotel in Cross Lanes, West Virginia. The new hotel was designed in the French Quarter theme for a long-standing WV racetrack and casino destination. Without the parameters of an established chain hotel brand or concept, the owners at Mardi Gras worked with our design team to develop a highly customized arrangement of room types, amenities, and palette of materials, fixtures, and furnishings.

WV Lottery Headquarters, City Center West Renovation, $15 million | Charleston, WV
Martin served as a designer for the renovation of the 13-story, 146,000 square foot City Center West Office Tower located in downtown Charleston. The project includes comprehensive architectural, structural, mechanical, electrical, and fire protection renovations throughout the building, and also includes modernization of the building's three passenger elevators and one freight elevator.

Charleston Riverfront Park Pavilion & Performance Stage, $2.6 million | Charleston, WV
Working as architectural design consultant and Architect of Record for prime contract holder GAI Consultants, Martin served as a designer for the Haddad Riverfront Park, the Schoenbaum Performance Stage and Court Street Pavilion projects. Managing our team of architects and designers, Silling collaborated in a Design-Build delivery model with tensile fabric specialist, BirdAir, to deliver a highly successful outdoor public assembly project to serve hundreds of thousands of residents and visitors for entertainment, exhibitions, ceremonies, and recreation while making a critical connection of the urban core to its waterfront. *AIA WV Honor Award for Excellence in Architecture*

Gregory V. Monroe Athletic Complex, WV State University, $3.2 million | Institute, WV
Martin served as a designer for this new $3.5 million Athletic Complex to be located adjacent to Lakin Field at WVSU. This facility is located just beyond the West endzone and primarily houses the varsity football locker room, weight training, instructional, and administrative spaces for the coaching staff.

Kanawha Valley Heart Specialists, $4.4 million | South Charleston, WV
Martin served as a designer for this 40,000 square foot medical office center. This four-story facility features 12 exam rooms, cardiac rehabilitation space, nurses stations, large waiting and reception areas as well as conference and administrative offices. The upper two floors are leased tenant space.

Chesapeake Energy Field Offices & Regional Operations Center, $97 million | WV, PA, KY, OH
Martin served as a designer for this multi-phased project which included fifteen sites throughout four states and 36 buildings totaling over 560,000 gross square feet of office and shop buildings.

Marshall County Public Safety Building, $7.2 million | Moundsville, WV
Martin served as a designer for this $7.1 million adaptive reuse project located in Moundsville, West Virginia. The new facility houses the Sheriff's Department and county 911/EMS services.

Additional Experience:
Robert C. Byrd Biotechnology Science Center, Marshall University *
Marshall University Graduate College, South Charleston *

* Denotes experience from previous employment.

SILLING
ARCHITECTS

Resume

PROFESSIONAL EXPERIENCE
24 years

EDUCATION
-Bachelor of Architecture
University of Tennessee, 1992

LICENSES & CERTIFICATIONS
-WV
- MD, PA, OH, VA (Inactive)

PROFESSIONAL AFFILIATIONS
-American Institute of Architects (AIA), WV Chapter
-National Council of Architectural Registration Boards (NCARB)
- Board Contributor, National AIA Knowledge Community on Construction Contract Administration

Sean G. Simon, AIA, NCARB

Architect | Construction Phase Manager

Sean has twenty-four years' experience involving all phases of architectural programming, design, construction document production, and construction contract administration. Sean joined Silling in 2008 as the Construction Phase Manager, working closely with the firm's production staff throughout the construction document phase and providing construction contract administration services.

In addition to construction phase services, Sean also produces the project manuals including writing the project specifications and the production of the project contracts. He is responsible for facilitating pre-construction meetings providing clear definition of project goals and owner expectations, reviewing contractor submittals, product samples, and shop drawings for conformance to the contract drawings and specifications, attending progress meetings to maintain clear communication with builders, observing installation of materials and systems to verify their conformance with the design intent, and monitoring the project schedule.

Sean earned a Bachelor of Architecture from the University of Tennessee in 1992 and is a member of the West Virginia Chapter of the American Institute of Architects.

SELECT EXPERIENCE

Chesapeake Energy Field Offices & Regional Operations Center, $97 million | WV, PA, KY, OH
Sean served as the Construction Period Service Period Manager for this multi-phased project which included fifteen sites throughout four states and 36 buildings totaling over 560,000 gross square feet of office and shop buildings. Sean was responsible for the development of the project manuals and project specifications, production of the project contracts, facilitating preconstruction meetings, observing installation of materials and systems to verify their conformance with the design intent, and monitoring the project schedule.

Raleigh County Judicial Center, $16 million | Beckley, WV
Sean served as the Construction Period Service Period Manager for this $15.6 million free-standing courts facility located in downtown Beckley, West Virginia. He was responsible for the development of the project manuals and project specifications, production of the project contracts, facilitating preconstruction meetings, observing installation of materials and systems to verify their conformance with the design intent, and monitoring the project schedule. *AIA WV Merit Award for Achievement in Architecture*

Charleston Work Release Center, $7.5 million | Charleston, WV
Sean served as the Construction Period Service Period Manager for the adaptive reuse of a former warehouse building for use by the WV Division of Corrections. He was responsible for the development of the project manuals and project specifications, production of the project contracts, facilitating preconstruction meetings, observing installation of materials and systems to verify their conformance with the design intent, and monitoring the project schedule.

West Virginia Lottery Headquarters, $15 million | Charleston, WV
Sean served as the Construction Period Service Period Manager for the renovation of the 13-story, 146,000 square foot City Center West Office Tower located in downtown Charleston. He was responsible for the development of the project manuals and project specifications, production of the project contracts, facilitating preconstruction meetings, observing installation of materials and systems to verify their conformance with the design intent, and monitoring the project schedule.

SELECT EXPERIENCE - Continued:

D. Stephen and Diane Walker Convocation Center, WV State University, $19.5 million | Institute, WV
Sean served as the Construction Period Service Period Manager for this $19.5 million addition and renovation to Fleming Hall. The project included the addition of 1,400-seat athletic arena, as well as comprehensive renovations and modernizations to the existing building, and required strategic design and construction phasing to allow for ongoing operations of the facility. Sean was responsible for the development of the project manuals and project specifications, production of the project contracts, facilitating preconstruction meetings, observing installation of materials and systems to verify their conformance with the design intent, and monitoring the project schedule. *AIA WV Merit Award for Achievement in Architecture*

Hampshire County WPA Annex & Sheriff's Building Renovation, $1.6 million | Romney, WV
Sean served as the Design Architect and Construction Period Service Manager for the renovation of two courthouse campus buildings in Romney: the historic WPA Annex and the former sheriff's residence. He was responsible for the development of the project manuals and project specifications, production of the project contracts, facilitating preconstruction meetings, observing installation of materials and systems to verify their conformance with the design intent, and monitoring the project schedule.

John Marshall High School Additions & Renovations, $36 million | Moundsville, WV
Sean served as the Construction Period Service Manager for this three-phase, $36 million addition and renovation project at John Marshall High School located in Moundsville, West Virginia. Sean was responsible for the development of the project manuals and project specifications, production of the project contracts, facilitating preconstruction meetings, observing installation of materials and systems to verify their conformance with the design intent, and monitoring the project schedule.

Morgan County Courthouse, $11.5 million | Berkeley Springs, WV
Sean served as the Construction Period Service Manager for this 48,000 square foot courthouse located in Berkeley Springs, West Virginia. He was responsible for the development of the project manuals and project specifications, production of the project contracts, facilitating preconstruction meetings, observing installation of materials and systems to verify their conformance with the design intent, and monitoring the project schedule. *AIA WV Honor Award for Excellence in Architecture*

Marshall County Public Safety Building, $7.1 million | Moundsville, WV
Sean served as the Construction Period Service Manager for this $7.1 million adaptive reuse project located in Moundsville, West Virginia. He was responsible for the development of the project manuals and project specifications, production of the project contracts, facilitating preconstruction meetings, observing installation of materials and systems to verify their conformance with the design intent, and monitoring the project schedule.

Mardi Gras Casino Resort Hotel, $18 million | Cross Lanes, WV
Sean served as the Construction Period Service Manager for this 150-room, $17 million custom-designed hotel in Cross Lanes, West Virginia. He was responsible for the development of the project manuals and project specifications, production of the project contracts, facilitating preconstruction meetings, observing installation of materials and systems to verify their conformance with the design intent, and monitoring the project schedule.

Gregory V. Monroe Athletic Complex, WV State University, $3.2 million | Institute, WV
Sean served as the Construction Period Service Period Manager for this new $3.5 million Athletic Complex to be located adjacent to Lakin Field at WVSU. This facility is located just beyond the West endzone and primarily houses the varsity football locker room, weight training, instructional, and administrative spaces for the coaching staff.

Judge Damon J. Keith Scholars Hall, WV State University, $18 million | Institute, WV
Sean served as the Construction Period Service Period Manager for this privately developed 300 bed residence hall located at West Virginia State University. The project was a collaboration between Atlanta-based Ambling University Development Group, Niles Bolton Architects, and Choate Construction, as well as locally-based Pray Construction.

Additional Experience:
Parkersburg Correctional Center
Putnam County Courthouse Renovations
Monroe Athletic Complex, WV State University
Multiple Boiler/Chiller Replacements, WV State University
Kanawha Valley Heart Specialists
Marsh Hall Renovations, Concord University
Fine Arts Building Renovations, Concord University
Edwards Fine Arts Building Renovation, Marshall University

SILLING
ARCHITECTS

Resume

PROFESSIONAL EXPERIENCE
32 years

PREVIOUS EXPERIENCE
-Paramount Builders, Field Superintendent, February 2011 - 2012
-BBL Construction,, Project Superintendent, August 2000 - November 2010
-United Brotherhood of Carpenters and Joiners of America Locals #302 and 283, July 1984 - February 1994
-United States Air Force, Honorably Discharged, January 1981 - June 1984

PROFESSIONAL AFFILIATIONS
-American Institute of Architects (AIA), WV Chapter

Fred Pack, Associate AIA

Construction Administrator

Fred Pack joined Silling in February of 2012 serving as a Construction Administrator. In addition to having over 30 years' experience in the construction industry, Fred has served as a Project Superintendent over the last seventeen years. His responsibilities included a full range of construction supervision duties including coordination and scheduling of trade contractors, material suppliers and construction team employees, liaison for project owners and architects/engineers over the duration of projects, quality assurance, cost management, and safety program maintenance. Specific projects under his supervision included the Monongalia County Justice Center, West Virginia Lottery Headquarters, Dickenson County Judicial Center, Putnam County Animal Shelter, St. Mary's Medical Center, Kings Daughter Medical Center, Guyan Golf and Country Club, and various K-12 schools throughout Ohio, just to name a few.

SELECT EXPERIENCE

Monongalia County Justice Center, $17 million | Morgantown, WV
Fred served as the Construction Administrator for this 80,000 square foot adaptive reuse of a former federal building located in Morgantown, West Virginia. The project involved the complete interior demolition of this four-level structure and redesigning the building to serve as a 21st century judicial center. The building features three circuit courtrooms, large jury assembly room, two magistrate courtrooms, arraignment room, two family law courtrooms, judicial administration offices, clerks' records storage, central detainee holding, and lower level staff parking. *2016 AIA WV Honor Award for Excellence in Architecture*

WV Lottery Headquarters, City Center West Renovation, $15 million | Charleston, WV
Fred served as the Project Superintendent working for Paramount Builders for the renovation of the 13-story, 146,000 square foot City Center West Office Tower located in downtown Charleston. The project included comprehensive architectural, structural, mechanical, electrical, and fire protection renovations throughout the building, and also includes modernization of the building's three passenger elevators and one freight elevator.

Putnam County Animal Shelter, $2.1 million | Winfield, WV
Fred served as the Construction Administrator for the new Putnam County Animal Shelter, a one-story, 8,500 square foot facility located on a wooded, creek-side, rural site donated by the WV Division of Highways. The design was intended to be both rustic and playful to reflect the spirit of the facility and the nature of the site.

Lewis County Judicial Annex, $8 million | Weston, WV
Fred served as the Construction Administrator for this new, 28,000 square foot judicial facility located in Weston, West Virginia. The building includes three courtrooms, a large high density file room for the court clerks, judicial administration offices, a secure vehicular sally port, and centralized detainee holding. *2015 AIA WV Merit Award for Achievement in Architecture*

Charleston Correctional Center, $8.5 million | Charleston, WV
Fred served as the Construction Administrator for renovation of an existing 2-story structure into a new work release center, providing 96 beds for the work release and an additional 32 beds for the Residential Substance Abuse Treatment program, as well as serving as a new home for the Charleston Parole Board.

SELECT EXPERIENCE - Continued

Dickenson County Judicial Center, $7.6 million | Clintwood, VA
Fred served as the Construction Administrator for this 35,000 square foot courts facility housing the county's combined General District and Juvenile and Domestic Relations Court, General District and Juvenile and Domestic Relations Court Clerk, court services; and court security staff. Located in Clintwood, Virginia, the building also included a vehicular sally port, central detainee holding, and an enclosed, secure parking for judges.

Lewis County Assessor's Office Renovation, $550,000 | Weston, WV
Fred served as the Construction Administrator for this 2,500 square foot renovation of the existing Lewis County Jail annex, converting the space into modern office space serving the county Assessor's Department.

North & South Tower Dormitory Renovations, $14.3 million | Concord University
Fred served as the Construction Administrator for this exterior and interior renovation of the existing 1960s era dormitory towers at Concord University. The renovation includes a complete recladding of a failing exterior wall system, new roof and windows, interior renovations, and the introduction of a new HVAC system.

Alexander Fine Arts Building & Marsh Hall Renovation, $4.8 million | Concord University
Fred served as the Construction Administrator for various renovations and improvements to the Alexander Fine Arts Building and Marsh Hall. The scope of work included exterior masonry restorations, new roofs, repairs to the Bell Carillon, ADA accessibility upgrades, a new elevator, HVAC & electrical system upgrades, and fire/life safety improvements.

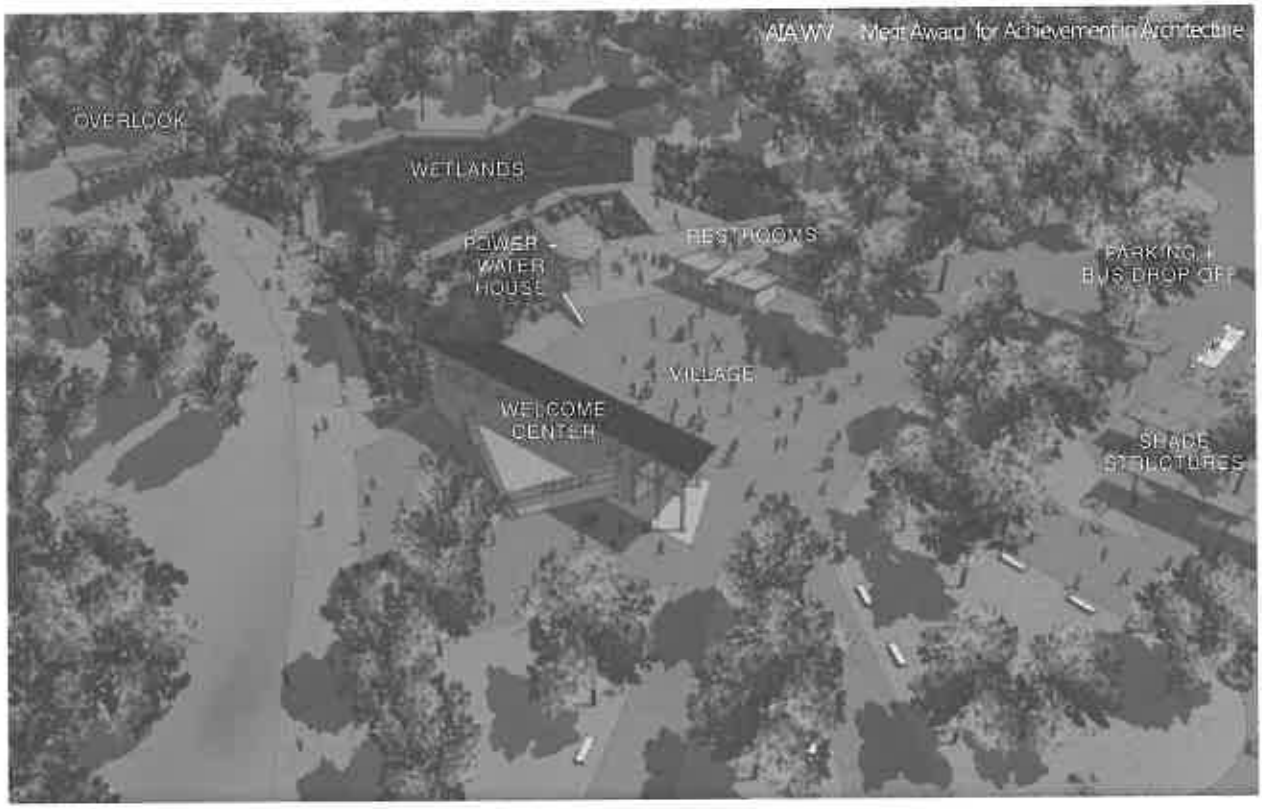
Delaware County Courthouse Complex & Integrated Parking Deck, $38 million | Delaware, OH
Fred served as the Construction Administrator for this new $38 million Common Pleas Courthouse and 220-car Integrated Parking Structure located along historic North Sandusky Street in Delaware, Ohio. Once completed, the new complex will house the county's Common Pleas & Domestic Relations courts, Clerk of the Courts, Probation, and Prosecuting Attorney.

Additional Experience:
St. Marys Medical Center *
Cabell Hunting Hospital *
Kings Daughters Hospital *
Multiple Big Bear Food Renovations *
Multiple Elder-Beerman Dept. Store Renovations *
Chesapeake Union Exempted School District *
Waverly City Schools *
Portsmouth City Schools *
Ironton City Schools *
Dawson-Bryant Local School District *
Carswell Air Force Base, United States Air Force *
Plant Alvin W. Vogtle Nuclear Power Generating Plant *
Gallipolis Lock Replacement *
Winfield Lock Replacement *

* Denotes experience from previous employment.

SILLING
ARCHITECTS

The Summit Welcome Center
MT. HOPE, WV



LOCATION
Mt. Hope, WV

PROJECT TYPE
New Construction

SIZE
29,000 gsf

CONSTRUCTION COST
$10 million

STATUS
Unbuilt

CONTACT
Alyson Schapker, Trinity Works,
P 1.304.877.7907

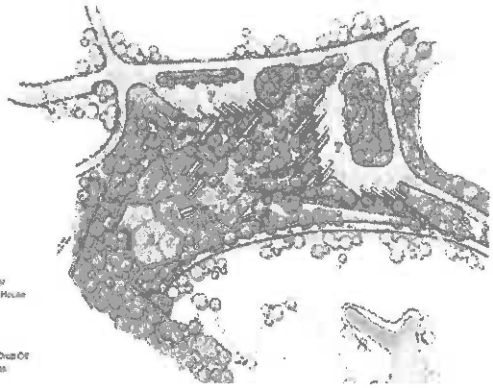
The Summit Welcome Center is the literal and visual gateway into the Summit Bechtel Reserve, a national Scouting center focused on changing young people's lives through training, education, leadership, and high adventure. The ten-acre site, a former handling area for mine spoils and saw mill operations, is being transformed through design informed by the imperatives of the 7 Petals of the Living Building Challenge. Functionally, the Welcome Center will collect all visitors to the SBR, numbering 50,000 during the national Scouting Jamboree, as an intermodal node. Experientially, the Welcome Center will serve as a point of orientation and begin the educational experience of appreciating the landscape, utilizing and enjoying its resources, while leaving only footprints.

Buses will collect thousands of visitors from numerous parking areas located on far reaching reclaimed mine benches along Mill Creek, while others may walk in from more closely positioned parking areas. A series of shade structures, constructed from reclaimed timber and metal panels from the old saw mill structures, will provide protection and are axially oriented to focus the many points of entry into the informative Village Center. A central sundial provides for an immediate orientation of being, place, and time, constructed from a rich palette of natural materials found throughout the 10,000-acre SBR. The Village Center, while scaled to facilitate the flow of large numbers of visitors, will be a relaxing, highly permeable space connecting the various buildings and working, educational site elements.

Designed with complete self-sufficiency as a critical goal, buildings and site will operate without the service of offsite municipal utilities, and all measures and systems will be developed with a transparency of function. Site treatment of water is a primary focus of the landscape planning and execution, beginning with the existing collection of previous mine spills at the highwall cut. A constructed treatment wetland with appropriate vegetation will be used to extract heavy metals and minerals allowing for flow of surface water on to less monolithic, native plantings unique to the highlands of the region. Cranberry bogs and rain gardens, as well as the wetland, will be bordered by observation seating, terraces, and elevated walks to encourage engagement and learning.

SILLING
ARCHITECTS

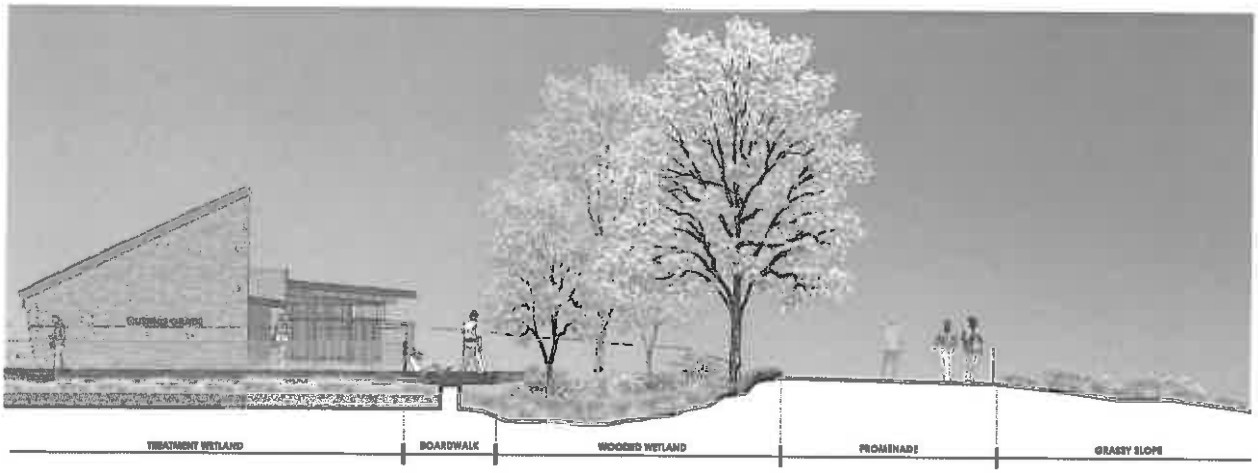
The Summit Welcome Center
MT. HOPE, WV



Beyond the perimeter of the Village to the North, a large promenade and boardwalk provides a dramatic contrast to the calming experience of the Welcome Center and the saddle to the broader profane landscape of the SBR valleys and mountains beyond. A large overlook pavilion provides a view to the treated outflow pond of the Welcome Center runoff with a framed view to the SBR center in the distance, and through presented materials and imagination builds excitement for the scouting, leadership, and adventure experiences to come.

The Village Center is partially defined by the main Welcome Center Building, the Water/Power Building, and two Restroom Buildings. The Welcome Center serves as the ticketing center for all visitors with exterior queuing to a series of service windows to the South. The main entry to the interior opens toward the site entry shade structures, itself defined by the large, sloped canopy porch raised toward the promenade and SBR mountain valley beyond. This sloping roof, appropriate oriented for both solar collection and prominent view from the Village Center, is covered with PV panels for energy collection serving all facilities. The WC interior spaces include a local gallery with access and views to the grand promenade and overlook pavilion as well as retail space for locally sourced products. Materially, the buildings are formed through a simple palette of naturally occurring, locally quarried sandstone, and hemlock and black locust timber from the forests travelled through the Mill Creek procession to the site.

The simple Water/Power Building is similarly detailed, with a funnelling slope roof feeding a filtering cistern surrounded by one of the primary educational rain gardens. Raised on a boardwalk plinth, this utilitarian building's front porch is formed near the main observation seating terrace and its skin on two sides is timber-framed glazed openings. Carrying the theme of investigation and learning, the mechanical and electrical systems are on full display with presentation materials telling the story of water and power transformation from nature, to use, and back.



SILLING
ARCHITECTS

The Summit Welcome Center

MT. HOPE, WV

100+

SILLING
ARCHITECTS

Bible Center Church
CHARLESTON, WV

RECOGNITION
AIA WV Merit Award for Achievement in Architecture

LOCATION
Charleston, WV

PROJECT TYPE
New Construction

SIZE
60,000 gsf

CONSTRUCTION COST
$16 million

STATUS
Completed in 2008

CONTACT
Lee Walker, Bible Center Church
p 1.304.346.0431

"Come. Live. Grow. Talk." This simple statement, etched in stone at the entrance of the new Southridge Campus, illustrates the personal, relational nature of the ministries of Bible Center Church.

When Bible Center outgrew its existing campus, a 96 acre parcel was purchased for the multi-phased relocation of the worship services, administration, daycare, preschool, and private elementary school functions. Having selected such a picturesque, natural setting, the primary concept of the church leadership and design team was to develop a campus intimately connected to nature and reflective of the culture of West Virginia. A design solution was sought that could foster a welcoming spirit where people feel drawn, comfortable, and open to the message and ministries of the church while developing strong personal connections through fellowship.

Phase 1 of the campus master plan includes a 1,200 seat interim worship space conducive to a range of worship styles and settings. Flexibility drove the functional characteristics of the room, which will ultimately serve as a multipurpose fellowship hall for dramatic presentations, receptions, conferences, and dinners after the Phase 3 Sanctuary is constructed. The design of the interim worship space centers on a richly detailed wood stage and stone veneer baptistery flanked by large rear projection video screens and framed by expansive windows open to the undisturbed natural woodlands of the site. Entry and way-finding is marked very strongly through the development of the lobby, or "Gathering Space" of Phase 1. The architectural detailing of this space, as well as its entrance canopy, works to establish the posture of the building's character and convey the ministry attitude of Bible Center. In addition to pre and post service fellowship functions, the Gathering Space is open throughout the week where people are encouraged to meet, relax, and have a cup of coffee. The two-story fireplace and scripture engraved mantle, along with the richly textured fabrics, stonework, slate, and wood trim presents a comfortable, iconic image connecting with users at a familiar and personal level.

SILLING
ARCHITECTS

Bible Center Church
CHARLESTON, WV

In developing great worship venues for all ages, the upper floor of the building houses six large adult classrooms, similarly detailed with many elevated views to the site. The lower level of Phase 1 is focused on the nursery and children's ministries and is anchored by the Children's Theatre, a heavily themed 180 seat worship space detailed with a woodland shed stage, indoor trees, and camp-style light strings. The finishes of the children's spaces are playful and vibrant while maintaining a connection to the earthy tones of the design concept.

In embracing a non-traditional solution to meet the complex needs of this vibrant congregation, the church and design team pursued an architecturally and culturally relevant design to speak to the hearts of past, present, and future members of the church and the Charleston community. It is the first step in a bold venture for the thriving ministries of Bible Center Church.

SILLING
ARCHITECTS

Putnam County Animal Shelter
WINFIELD, WV

LOCATION
Winfield, WV

PROJECT TYPE
New Construction

SIZE
8,500 gsf

CONSTRUCTION COST
$2.1 million

STATUS
Completed in 2013

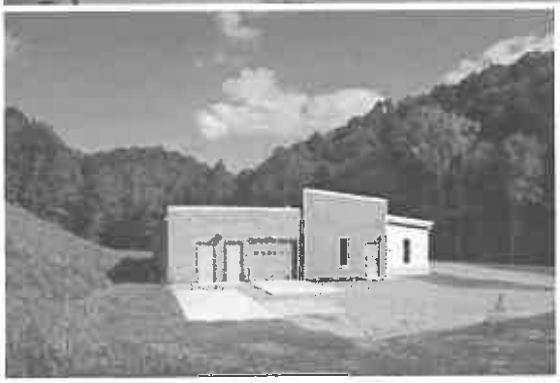
CONTACT
Brian Donat, County Administrator
P 1.304.586.0201

The Putnam County Animal Shelter is a one-story, 8,500 square foot facility located on a wooded, creek-side, rural site donated by the WV Division of Highways. The design is intended to be both rustic and playful to reflect the spirit of the facility and the nature of the site. The primary goal of the new shelter is to facilitate and maximize pet adoptions. It was critical that the space planning and interior environment clearly display the animals in a bright, clean, and relaxed environment while also being economical and easy to maintain. The interior arrangement of spaces is intended to be simple and user friendly flowing from the adoption entry display areas at the main lobby directly to the main kennel. This area features an abundance of natural light emanating from the high volume main entry element. A secondary public entry is provided to process, isolate, and treat incoming and sick animals. This wing features the service core with a dedicated isolation kennel, holding rooms, and procedure rooms. The primary public circulation is linked from the main entry to the kennel which features 44 stainless steel animal stalls centered in the space with perimeter circulation for maximum display and service of the animals. Finishes include durable, washable surfaces for ease of cleaning and maintenance throughout. Dedicated HVAC units serve the kennel, and the animal isolation areas utilize 100% outside make-up air to maintain a sanitary environment.

SILLING
ARCHITECTS

Putnam County Animal Shelter

WINFIELD, WV



SILLING
ARCHITECTS

James C. Wilson Student Union
WEST VIRGINIA STATE UNIVERSITY

RECOGNITION
AIA WV Merit Award for Achievement in Architecture

LOCATION
Institute, WV

PROJECT TYPE
Additions & Renovations

SIZE
46,000 gsf

CONSTRUCTION COST
$4.3 million

STATUS
Completed in 2005

CONTACT
Jerry Miller, Director
P 1.304.766.3000

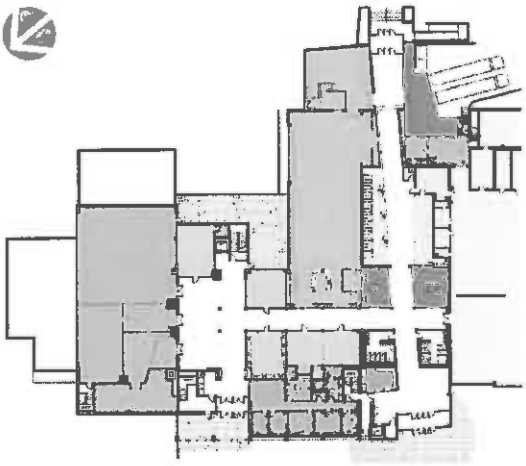
Critical goals of the James C. Wilson Student Union Additions and Alterations Project were to present an appropriate front porch to the dominant commuter segment of the student body, enhance the connection to the formal campus center from the parking zones, and create many opportunities for student activities and services within the facility, yielding a truly diverse yet cooperative organization of functional spaces and improving the ability of the University to serve the modern student. In providing a broader spectrum of spaces and services, the Student Union aspired to again become the center for social activity and anchor West Virginia State's provision for a rich college experience.

The design solution includes three key additions to the structure: a two-story entrance element that addresses the formal campus lawn and pedestrian plaza, a one-story entrance element that addresses the commuter parking area and reorganizes / reorients service deliveries at the loading dock, and a two-story circulation element that provides accessible vertical connection between the basement and main floor levels. Additionally, extensive interior demolition and renovations carve a dynamic streetspace through the facility, connecting the commuter students to the campus center, facilitating multiple events of activity and services, and creating an informed path. The new additions emphasize and draw users into the axial streetspace system and work, in their construction and use of glazing, to bring the exterior public spaces into the facility and stretch the interior public space out into the larger campus network. The palette of materials, while closely relating to those of the existing structure, are assembled in a slightly different way and attempt to speak to the young person of the twenty-first century.

The project included complete renovation of 38,543 square feet on three floors as well as three additions totaling 7,835 square feet. In addition to complete reconfiguration of the interior spaces of all levels, the project required replacement of all mechanical equipment, including air handlers, cooling tower, hydronic piping, and ductwork. Electrical requirements included replacement of main switchgear and distribution panels, installation of new light fixtures and devices, introduction of a complete data network system, and the addition of an emergency generator. All existing exterior glazings and window framing was replaced, the entire facility was fitted with a new modified built-up roofing system, and all existing hazardous materials were abated.

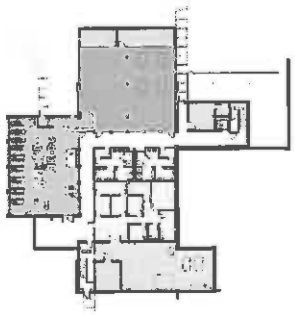
SILLING
ARCHITECTS

James C. Wilson Student Union
WEST VIRGINIA STATE UNIVERSITY



MAIN FLOOR LEVEL

UPPER FLOOR LEVEL



LOWER FLOOR LEVEL

- BOOKSTORE & RETAIL
- CLASSROOMS / COMPUTER LABS
- STUDENT CAFE / DINING
- STUDENT SERVICES
- CYBER CAFE
- INFORMATION DESK
- RESTROOMS / LOCKER
- FITNESS / WEIGHT ROOM
- STUDENT GAME ROOM
- HEALTH & WELLNESS CLINIC
- STUDENT GOVERNMENT
- UPPER STUDENT LOUNGE
- LOADING DOCK
- MULTIPURPOSE ROOM & LARGE ASSEMBLY

SILLING
ARCHITECTS

Cabin Creek Health Systems
SISSONVILLE, WV

LOCATION
Sissonville, WV

PROJECT TYPE
New Construction

SIZE
10,600 gsf

CONSTRUCTION COST
$2.9 million

STATUS
Est. Completion Dec. 2016

CONTACT
Debra Boyd, Chief Financial Officer
P 1.304.595.5006

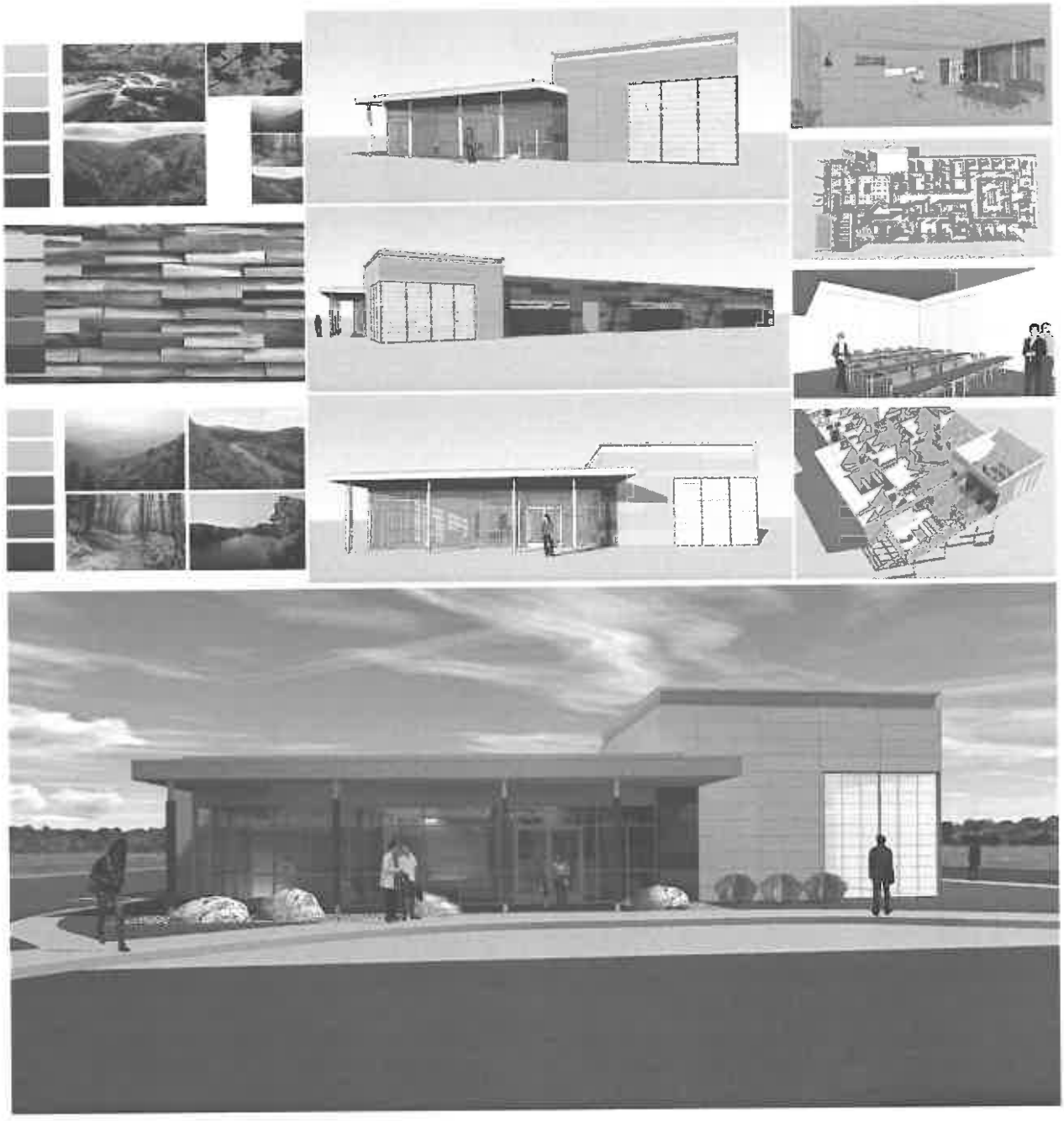
Architectural Silling Architects was commissioned by Cabin Creek Health Systems to design a new health clinic to serve the Sissonville, WV community, replacing a facility that was lost to a fire. Our design team was inspired by the support CCHS received from local residents, who donated time, resources, and space to get their clinic operational within days of the loss. Eventually, the Sissonville Health Clinic staff relocated into the former Bonham Elementary School facility, which had been abandoned due to repeated flooding. During their short time of occupancy, CCHS has been burdened with continued interruption, damage, and stress of additional flooding and the associated clean-up, repair, and restart. Invested in the families of Sissonville, CCHS secured USDA and HRSA funding and is readying to break ground on the new 10,600 SF facility to be located prominently on Route 21 near the town's core.

Through the perspective of loss and hardship, and with great commitment to serve, the notions of sustainability and resilience have informed the programming and design of the new clinic. A more comprehensive offering of medical assistance and services will be provided, including general medical examination and treatment, behavioral health services, dental treatment, and pharmaceutical care in a consolidated facility. Financial consultation and assistance programs are highlighted in the administrative spaces, and the public area includes a purposefully multi-use community room space to serve education, training, and outreach needs for the users and staff with video conferencing capabilities to connect to the greater CCHS network - and the world.

The building envelope, mechanical systems, and electrical distribution and lighting are designed with higher performance in mind, and the critical systems and spaces in the facility are served by emergency power to allow for continued operation through future natural and synthesized interruptions. Building siting and orientation, as well as fenestration placement and the use of insulated translucent panels maximize interior spatial quality through natural light and view. The overall building design aesthetic speaks to the duality of the organic natural setting, palette, and tone of the Kanawha Valley against a highly machined, ordered framework symbolic of modern healthcare and medical advancement – all depicted with an underlying warmth responsive to the level of care delivered by Cabin Creek Health Systems to the people of Sissonville.

SILLING
ARCHITECTS

Cabin Creek Health Systems
SISSONVILLE, WV



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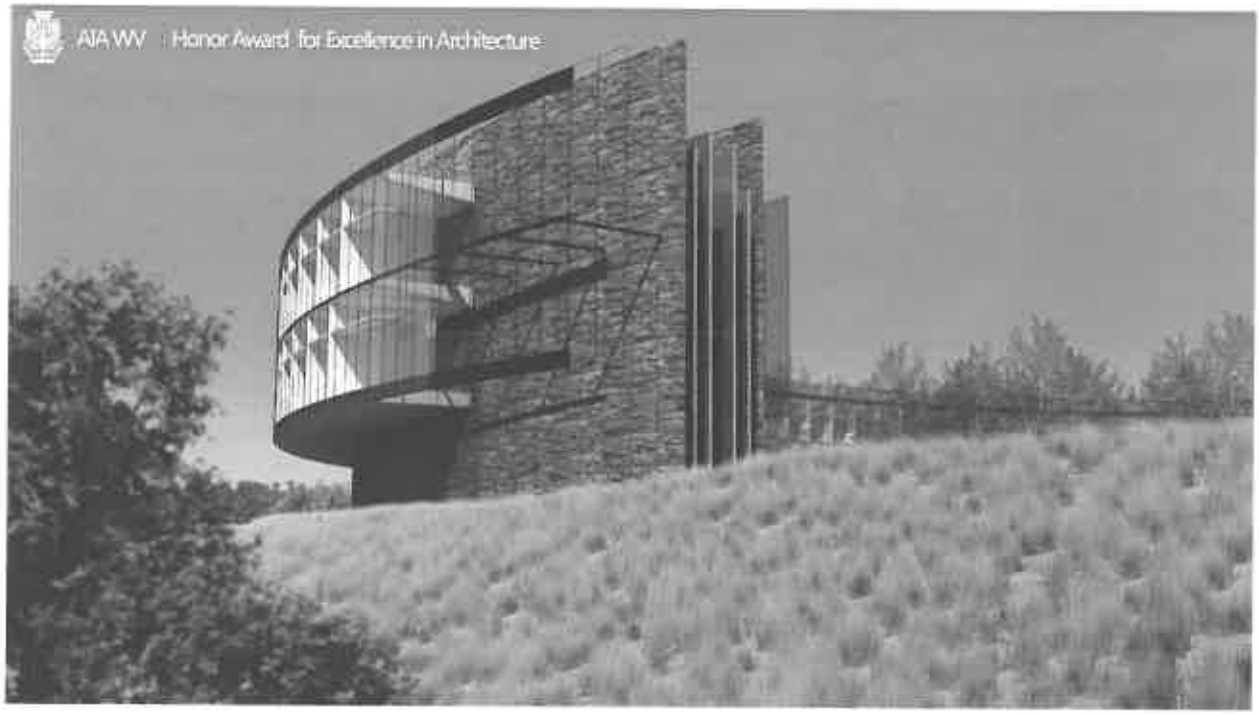
SILLING
ARCHITECTS

Chesapeake Energy Eastern Regional Headquarters

CHARLESTON, WV



LOCATION
Charleston, WV

PROJECT TYPE
New Construction, LEED Gold

SIZE
121,212 gsf

CONSTRUCTION COST
$38 million

STATUS
Unbuilt

CONTACT
Dan LeDonne, Chesapeake Energy,
p 1.405.879.9251

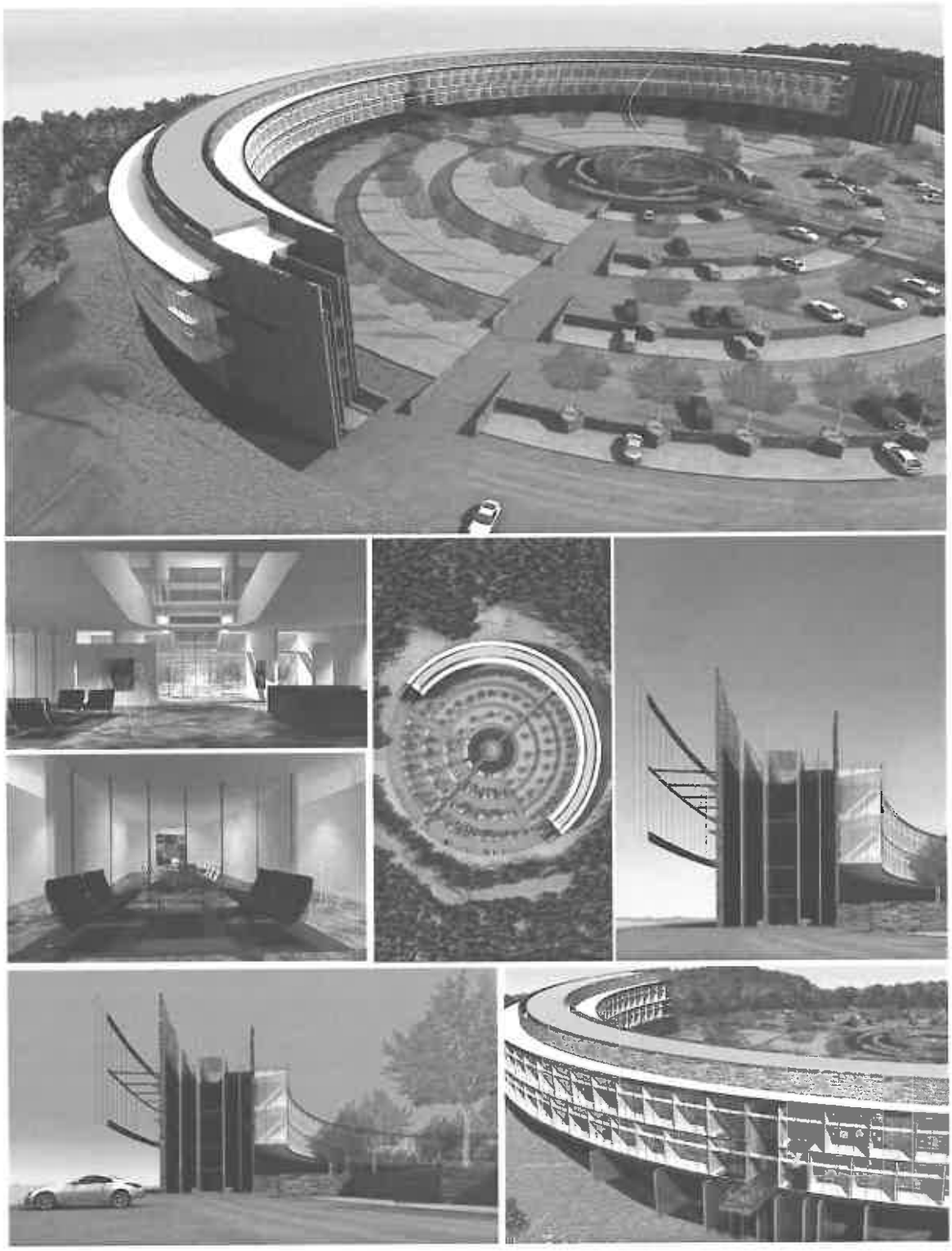
This 121,212 square foot building on a 32.7 square acre site is designed for West Virginia's temperate climate with a sincere desire to both respect and respond to the surrounding West Virginia landscape. The corporate regional headquarters includes over 350 offices, a large dining and kitchen space, multiple conference spaces, storage, and office support spaces, as well as a fitness suite with locker rooms and an exterior nature preserve and hiking trails. The project design engages the land in a way to minimize the building footprint by making use of a cantilevered building structure as well as following the line of the crown of the hill on which it is situated. With an estimated construction cost of $39 million and projected track towards a LEED Gold rating, the project includes 296 total parking spaces with a concentric site design concept meant to encourage walking and enhance views to the surrounding landscape.

Other health related and LEED aspects of the design include high performance glazing and mechanical equipment to reduce CO2 emissions, use of recycled fly ash in concrete parking materials to reduce heat sink effect, storm water retention and grey water irrigation systems, operable windows and advanced lighting and thermostat controls, water conserving plumbing fixtures, and numerous recycled, recyclable and renewable materials throughout the building. The building provides spectacular views from interior offices and employee recreational areas.

The building design utilizes a 250 foot inner radius and a 300 foot outer radius making use of economy of means through repetition of faceted planes and providing both intimate and distant visual connections to the building from the site and from the building to the site. The concept recognizes several key conceptual factors such as recognizing the difference between being on the land and being of the land, the difference between being in the trees and being around the trees, and the difference between long views and close-up views. The native "rocky" site is considered the building foundation with rugged and refined architecture growing out of it. Design inspiration came from Keith Rinearson's photos of the drill sites. "This building is inspired by the concept of exploration. In particular, the idea of drilling into the earth's surface, and more specifically, the concept of rotation, spinning, and drilling as a phenomenon. Imagine the architecture in concentric motion...Even the sun shadows support the notion of the drill bit spinning into the earth..." said Rand Elliott, FAIA, the project's lead designer. This design concept lends itself to solving client programmatic needs, site construction issues, and provides a stunning and appropriate addition to the surrounding natural landscape.

SILLING
ARCHITECTS

Chesapeake Energy Eastern Regional Headquarters
CHARLESTON, WV



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SILLING
ARCHITECTS

Chesapeake Energy Regional Field Operations Centers

WV, OH, PA, & KY

LOCATION
WV, KY, PA, OH

PROJECT TYPE
New Construction

SIZE
Combined 560,000 gsf

CONSTRUCTION COST
Combined $97 million

STATUS
Completed in 2009-2014

CONTACT
Dan LeDonne, Chesapeake Energy,
p 1.405.879.9251

Chesapeake Energy's move to the Appalachian Basin created the need for satellite field offices to support local activities throughout West Virginia, Kentucky, Ohio, Pennsylvania. Chesapeake is the most active driller of natural gas in West Virginia. Depending on the location and the area's need, these field offices have administrative, production and maintenance components.

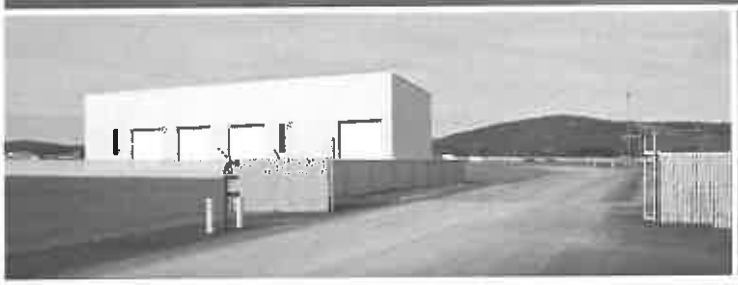
The offices follow the prototypes established by the field offices in the Oklahoma area. They are pre-engineered metal buildings to facilitate quick construction. The comparison to traditional metal buildings stops at the façade of the buildings. These are not the typical metal "garage" structures people usually associate with metal buildings. The exterior façade or skin of the buildings consists of the special galvalume-coated corrugated metal to reflect the heritage of the gas drilling industry. The windows are heavy duty commercial aluminum single-hung windows. This exterior look is the Chesapeake identity. The interior of the administrative offices is constructed in an open floor plan which allows quick modifications as needed to adjust to current needs. The finishes, both exterior and interior, are low-maintenance with high-tech applications. The individual offices are equipped with stylish casework and high speed Internet and communication connections.

The building systems, HVAC, electrical and plumbing are designed for each location to be energy efficient. The maintenance buildings have overhead cranes for lifting large drilling components and wash bays to clean the drilling equipment. The wash bays have environmentally friendly recycling systems to clean contaminants from the waste stream. There is also an emphasis on the landscaping to match the surrounding environment.

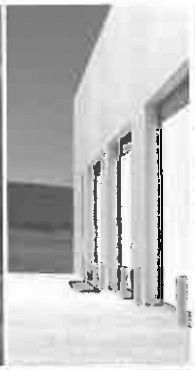
SILLING
ARCHITECTS

Chesapeake Energy Regional Field Operations Centers

WV, OH, PA, & KY



The multi-phased project included fifteen sites throughout four states and 36 buildings totaling over 560,000 gross square feet of office and shop buildings. Each phase represents the operations of company subsidiaries including drill rigging, trucking, piping, engineering, managers and accountants. As these satellite field offices are completed, they will be a very visible sign of Chesapeake Energy's presence across the Appalachian Basin.



SILLING
ARCHITECTS

Dixon Hughes Goodman
CHARLESTON, WV

LOCATION
Charleston, WV

PROJECT TYPE
Office Renovation

SIZE
12,750 gsf

CONSTRUCTION COST
Withheld at Owner's Request

STATUS
Completed in 2015

CONTACT
Richard Slater, Managing Partner,
p 1.304.414.2605

This project was a complete renovation of an entire 12,750 square foot floor of an office building in downtown Charleston. Silling worked closely with representatives of DHG to develop a tenant fit-out plan that fit with their corporate philosophy, personnel and vision of how their new space should function. Through this process it was determined that a portion of the existing private office spaces could be kept in their existing configuration as a means of controlling cost. The remaining portion of the floor plate was demolished in order to create new additional offices, conference rooms, kitchen, private client meeting rooms, an open office area, and collaboration area. The DHG philosophy is that their office space acts as an attractive recruiting tool for the firm and while breaking the stereotype of what an accounting firm is like, sets them apart from the field of other similar firms looking for young talent. One space that sets the office apart is the collaboration area. The vision for this space was to create an open area where "purposeful collisions" would occur that allowed employees from different segments within the office to have informal, impromptu meetings to share information, get mentoring advice from senior staff members over coffee and provide informal touchdown space with wireless access for other employees who may be traveling from other offices. A coffee bar mixed with high-top tables and soft lounge seating creates a relaxed environment to encourage these interactions. Offices that are located adjacent to the collaboration area have full glass fronts to allow for those who occupy the workstations in the open office to share daylight and views to the outside.

SILLING
ARCHITECTS

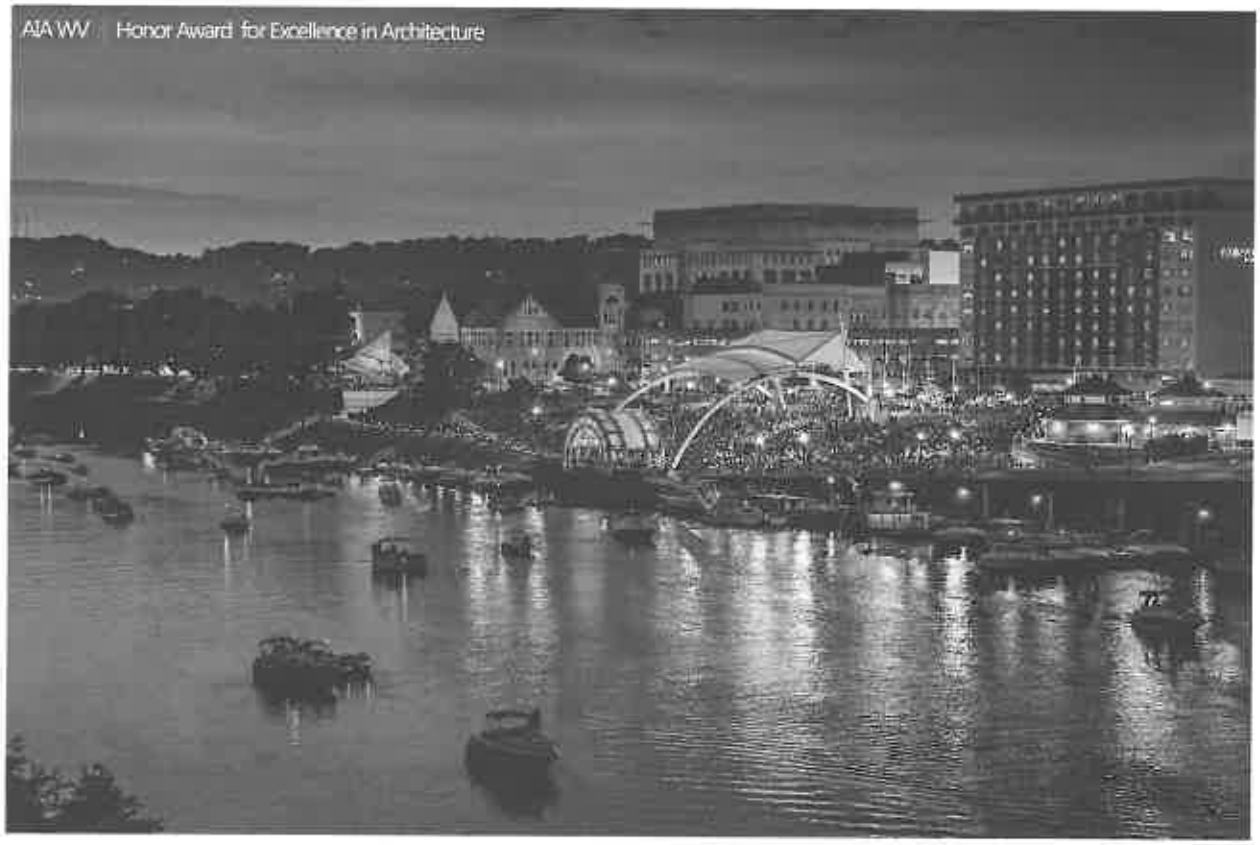
Dixon Hughes Goodman
CHARLESTON, WV

Another key component unique to the DHG philosophy is the blue sky room. This space is used for meetings with clients who are looking for innovative ways to increase the value of their companies. Lounge type seating that can be configured in multiple ways and an entire wall covered with projection friendly dry-erase wall covering allows for any "sky is the limit" ideas to be recorded at any time by any of the participants without the need for paper. The stripes in the carpet throughout provide a background datum for the overall organization of the newly created space and follow organizational axes. The stripes draw focus through the open spaces to the outside. A color change at the crossing of the axes signifies traffic "nodes" that also help to break up the length of corridor along the solid walls of private perimeter offices.

The overall design concept and its execution represent a successful collaboration with DHG in aligning with the vision of this nation-wide firm and its focus on providing an inviting and exciting work environment.

SILLING
ARCHITECTS

Haddad Riverfront Park
CHARLESTON, WV



LOCATION
Charleston, WV

PROJECT TYPE
New Construction

SIZE
N/A

CONSTRUCTION COST
$2.9 million

STATUS
Completed in 2010

CONTACT
David Molgaard, City Manager
P 1.304.348.8014

Haddad Riverfront Park was built by the US Army Corps of Engineers in 1993 as a 36,000 square foot concrete amphitheater on the banks of the Kanawha River in downtown Charleston, WV. It is a regional gathering place for people to celebrate holidays and city festivals, listen to music and enjoy watching the river traffic. In 2008, the City of Charleston organized a committee to investigate ways of making the park more user friendly and visually appealing, connecting city to park and park to river. With no shade, warm sunny days create an inhospitable environment on the concrete surface which radiates heat even during the evening hours. With only a row of flagpoles and a small sign, there was no way to identify the park as a significant public space from street level. With a Small Business Association grant of $2,400,000 and a private donation of $250,000, the design team was hired by the City of Charleston to address five separate projects: a shade structure (canopy) for the center section of seating, a permanent performance stage, a pavilion, streetscape and boat docks.

The primary design objectives of the canopy were to create a unique and iconic structure celebrating Charleston's "front porch", to provide shade for people and amphitheater surface keeping the concrete cool, and the canopy was required to allow unobstructed views of the sky for viewing fireworks during city festivals and holidays. A tensile fabric and steel structure was designed for its ability for long spans with a single large fabric panel to retract toward and away from the stage. When retracted the mobile panel rests below a street side fabric panel structure. The 2,400 square foot mobile panel is 80 feet wide and rides along two steel arches which span 90 feet from sidewalk level to the river level bulkhead. The fixed structure rises 50 feet above sidewalk level and is 90 feet wide. The fabric is PTFE, a Teflon-coated fiberglass material which is very durable and virtually self-cleaning.

The design objectives of the performance stage were to provide an intimate connection between audience and performers- both on land and in the water, to honor the long history of this place as a river port going back to the mid-nineteenth century, to be easily maintained after occasional floods, and accommodate the Charleston Symphony Orchestra.

SILLING
ARCHITECTS

Haddad Riverfront Park
CHARLESTON, WV



The stage is constructed on a 1,200 square foot concrete base with a paddle-wheeled theme using the steel and tensile fabric structure materials used at the Canopy, for visual continuity, economy and easy maintenance.

The design objectives of the Pavilion were to provide a primary visual connection of the park to downtown, to create a community pavilion for recreation, lunches, gathering space and informal street level performances. Court Street is the main north/south street running from the western edge of the park through Charleston's downtown. The Pavilion is another steel and tensile fabric structure, adding to the new iconic language of the Stage and Canopy. The technology offers a great deal of form making freedom and expression, and the Pavilion is as sculptural as it is functional. The nautical theme is continued suggesting a sailing yacht along the river. The structure is 50 feet tall, 50 feet long and 38 feet wide, and sits on a prow-shaped concrete platform with a lower terrace connecting the park's lower walkway. This terrace will be the access point to the future dock system, which is expected to be constructed in the summer of 2011.






SILLING
ARCHITECTS

Moses Residence
BARBOURSVILLE, WV

LOCATION
Barboursville, WV

PROJECT TYPE
New Construction

SIZE
6,000 gsf

CONSTRUCTION COST
$18 million

STATUS
Completed in 2010

Situated on a 40-acre wooded site, this new 6,000 square foot house was designed and built as a "dream green home" for the environmentally-conscious clients. After hiking the property for four years, the clients and architect began planning the home using the best sustainable practices and technologies available with the goal of being completely off-the-grid within five years. The house follows the natural topography of the sites' north/south ridgeline and is nestled into the slope providing a low profile, one-story east side for shady afternoons on the screen porch, while the west side is two-storied for tree-house views from the main interior space across the gulley. The interiors are animated with natural air and light encouraged by two light shafts on either end of the internal circulation for stack effect ventilation. The house is designed in a contemporary Arts and Crafts style reflecting the client's appreciation for natural materials, handcrafted workmanship and simple yet elegant detailing. A crew of Amish rough and finish carpenters built the house. Durable, natural, long life, moisture and mold resistant, reused, recycled, and recyclable materials are used throughout the interiors. Low VOC paints and stains were used and cabinetry was made with no formaldehydes. Energy Star appliances and equipment, as well as LED and CFL light fixtures, are throughout the house.

The exterior skin of the house is clad with cultured stone, traditional stucco, FSC cedar, cement fiber board, and recyclable metal shingles. Insulated Concrete Form (ICF) foundation walls, Structural Insulated Panel (SIP) combined with wood framed walls with closed cell spray foam insulation at wall and ceiling spaces and insulated glazing help maximize the energy efficiency of the house. A geothermal heating and cooling system produces the energy on site. A high-efficiency ducted wood burning fireplace supplements the home heating.

SILLING
ARCHITECTS

Moses Residence
BARBOURSVILLE, WV

The house obtains 100% of its potable water from a rain harvesting system. Captured by the roof, rainwater circulates from downspouts through vortex filters and is deposited into two 3000-gallon cisterns located below the root cellar of the house. There the water is treated with UV and charcoal filters to remove remaining impurities and delivered to water saving fixtures and a heat recovery hot water heater. Waste water is gravity fed to a passive biological waste treatment system using natural peat biofilters which feed a wetland habitat.

Groundbreaking took place in September of 2009 and the house was completed almost a year to the date, six weeks ahead of schedule. The general contractor was hired with a Guaranteed Maximum Price with the owners benefitting from cost savings during the project. Construction change orders amounted to less than 1% of the final GMP. Payback for the renewable energy systems are projected within 10 years.


Green House

SILLING
ARCHITECTS

River Ridge Church
HURRICANE, WV

LOCATION
Hurricane, WV

PROJECT TYPE
Adaptive Reuse of Former Car Dealership

SIZE
19,000 gsf

CONSTRUCTION COST
$1.1 million

STATUS
Completed in 2013

CONTACT
Chad Cobb and Matt Santen, Pastors,
p 1.304.347.8585

When River Ridge Church made the decision to plant a new church campus in Hurricane, West Virginia, our firm was immediately inspired by the many distinct opportunities, and challenges, presented by its design. Rather than opt for a green field site and new construction endeavor, River Ridge purchased an abandoned Saturn car dealership along the interstate exit. And while in adequate structural condition and of appropriate size, the building's spatial organization and function required significant reinvention to accommodate contemporary worship and its supportive ministry spaces. Amidst these obvious planning and technical design challenges, the greatest design parameter of all lay in the construction budget of less than sixty dollars per square foot.

Rather than allow the budgetary constraints to dictate a minimal design effort and study, our team was energized to do the most with the available resources to create a comfortable, powerful, and purpose-driven design responsive to the relational aspect of River Ridge's worship style.

Key aspects of the design included the development of new and existing entrances oriented to the newly developed pedestrian, parking, and drop-off site circulation components, each feeding into a large central gathering space carved between previous lobbies, parts' bays, and service areas. A new, 300-seat worship area was created through the dramatic transformation of the primary vehicle maintenance area. A dynamic teen meeting space was developed within a projected, glass pavilion at the corner of the showroom floor. Nurseries, elementary, and a large "River Camp" children's theatre were stacked within the two-story section of existing offices and support spaces. Existing glass garage doors were salvaged from the rear of the facility and incorporated in the interior, offering views of the teen and adult meetings spaces.

SILLING
ARCHITECTS

River Ridge Church
HURRICANE, WV

100+

SILLING
ARCHITECTS

West Virginia Lottery Headquarters - City Center West

CHARLESTON, WV

LOCATION
Charleston, WV

PROJECT TYPE
Renovations

SIZE
146,000 gsf

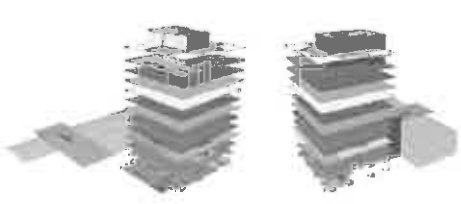
CONSTRUCTION COST
$14 million

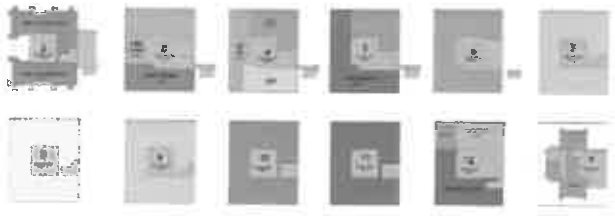
STATUS
Completed in 2011

CONTACT
John Myers, Director
P 1.304.558.0500

In 2010, the State of West Virginia purchased an existing 13-story, 146,000 SF office building located along the Elk River in downtown Charleston to serve as Headquarters for the West Virginia Lottery Commission, as well as provide a home for the State's Racing Commission, Real Estate Division, Alcohol Beverage Control Commission, Banking Division, and Municipal Bonds Division.

The $14,000,000 project includes comprehensive architectural, structural, mechanical, electrical, and fire protection renovations throughout the building, and also includes modernization of the building's three passenger elevators and one freight elevator. Interior space modifications were specifically designed to accommodate the WV Lottery and other state agencies while IBC, NFPA, and ADA Code compliance issues were addressed throughout the building.





SILLING
ARCHITECTS

Gregory V. Monroe Athletic Complex

WEST VIRGINIA STATE UNIVERSITY

LOCATION
Institute, WV

PROJECT TYPE
New Construction

SIZE
5,690 gsf

CONSTRUCTION COST
$3.5 million

STATUS
Completed in 2015

CONTACT
Sean Loyd, Athletic Director,
P 1.304.766.3000

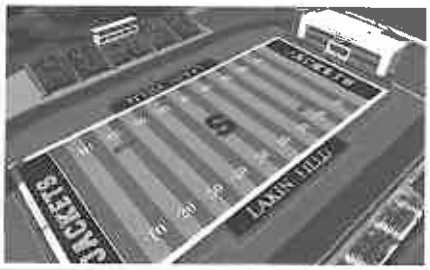
In 2014, West Virginia State University broke ground on this new $3.5 million Athletic Complex to be located adjacent to Lakin Field at Dickerson Stadium, home of the Yellow Jackets football team. This facility will be located just beyond the West end zone and will primarily house the varsity football locker room, weight training, instructional, and administrative spaces for the coaching staff. However, the training component of the program will serve all student athletes within the athletic department.

The design of the building provides a two-story building massing stretching from sideline to sideline and creates an impressive backdrop for practices and games, as well as the celebration of competition among students, faculty, and
guests. A large, glazed main façade allows for openness of meeting rooms and weight training spaces on the first floor and all coaches offices at the upper level. A central entry portal will allow for dramatic connectivity to the playing field and will serve as the gateway between preparation and execution. State of the art audio-visual and weightlifting equipment coupled with engaging architectural and interior design will serve to hone the minds and bodies of WVSU's student athletes and create a platform for competitive success and institutional pride.

100+

SILLING
ARCHITECTS

Gregory V. Monroe Athletic Complex
WEST VIRGINIA STATE UNIVERSITY



SILLING
ARCHITECTS

D. Stephen and Diane H. Walker Convocation Center

WEST VIRGINIA STATE UNIVERSITY

LOCATION
Institute, WV

PROJECT TYPE
Additions & Renovation

SIZE
70,000 gsf

CONSTRUCTION COST
$17.3 million

STATUS
Completed in 2014

CONTACT
Sean Loyd, Athletic Director,
P 1.304.766.3000

Built on the southern end of West Virginia State University's formal quad, Fleming Hall has long served as the primary venue for indoor athletics in addition to the academic needs of multiple departments since 1941. The original structure housed the campus's only gymnasium, a natatorium, academic classrooms, administrative offices, and related support space. Although serving faithfully the family of this HBCU for over seventy years, Fleming Hall would fall victim to failing building systems, dated finishes, and poor functionality in meeting the needs of modern day teaching, learning, recreation, and varsity competition. With a strong commitment from the University administration, Fleming Hall would be identified as a historic anchor of the physical campus to be preserved and enhanced, allowing for a continuation of service excellence to its students and equipping the institution in meeting its' vision for dynamic growth.

In 2010, the West Virginia Economic Development Authority authorized the issuance of revenue bonds to support capital improvement projects for higher education institutions throughout the state, including a commitment of $15 million to support the renovation of Fleming Hall and the addition of a new Convocation Center. Coupled with nearly $4 million dollars of university funds and private donations, the new D. Stephen and Diane H. Walker Convocation Center opened on March 1, 2014. In addition to having fully renovated classrooms, offices and locker rooms, the project features a new 1,300-seat arena addition for intercollegiate basketball and volleyball while also serving as the University's premier space for commencement and convocation ceremonies and other campus-wide gatherings.

Through donations by the National Basketball Association and many alumni partners and friends, the main lobby honors Earl Francis Lloyd, the first African-American player and coach in the NBA, himself a proud WVSU alumnus. The primary space of the addition, the new convocation center and arena incorporates the finest of materials and systems, cleanly ordered and executed in the bold colors of the University. Together with dramatic athletic lounges, locker rooms, classrooms, and training facilities, the renovated and new facilities place WVSU at the top of its' conference among peer institutions and marks a bold new future for this 1891 Land Grant Institution in Southern West Virginia.

SILLING
ARCHITECTS

D. Stephen and Diane H. Walker Convocation Center

WEST VIRGINIA STATE UNIVERSITY

The design concept remains sympathetic to the existing campus architecture while providing a relevant and engaging architectural language speaking to the students of today and tomorrow. The original massing and detailing of Fleming Hall is of a modest collegiate gothic character, purely symmetrical and in dialogue with the original Ferrell Hall education and administration building directly opposite the beautiful campus quad. Fleming Hall's original building envelope was preserved, and the new convocation center addition appropriately continues the symmetrical order, carrying the dominant campus axis through the facility to the south. From a master plan perspective, it presents a new face for the planned athletic quad and will be reinforced by future improvements to many of the surrounding facilities and greenspaces. The main entrance to the new addition, a radiused two-story volume with a trio of large rectangular glazed openings honors the form and detailing of the original natatorium space which was removed. Building materials of cast stone and brick veneer in a modified Flemish bond continue the fundamental campus language throughout, while more relevantly detailed metal canopies and glazing bring a new and compelling palette to the entry plaza while providing both natural light and passive solar shading to the primary public interiors.

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D. Stephen and Diane H. Walker Convocation Center

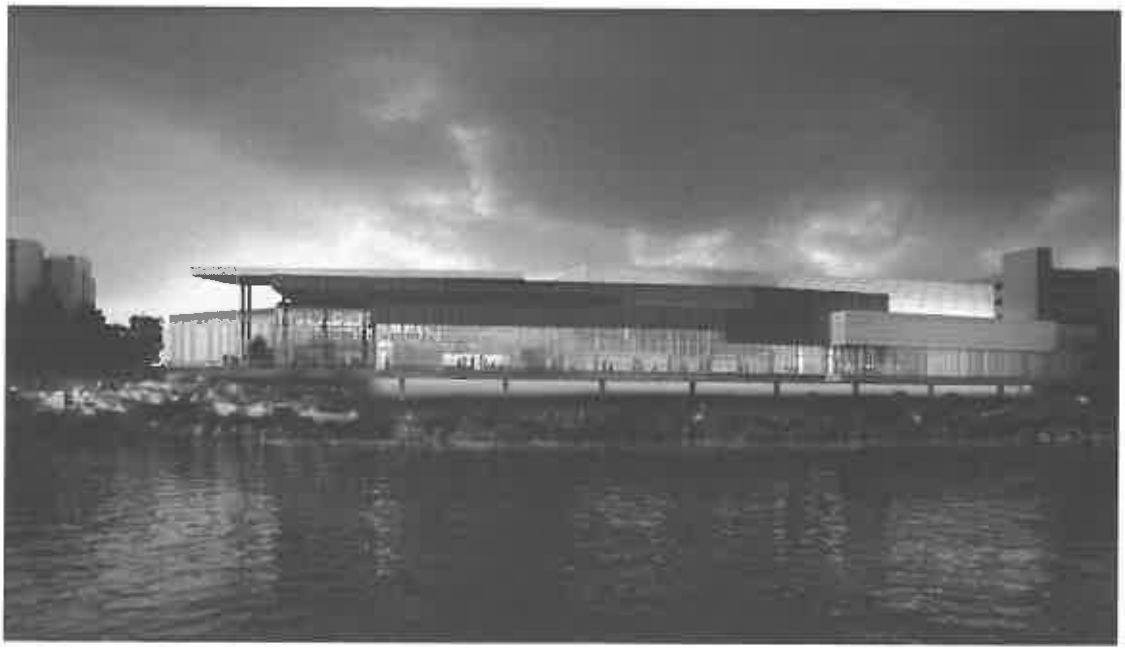
WEST VIRGINIA STATE UNIVERSITY

100+

SILLING
ARCHITECTS

Charleston Civic Center Expansion Design Concept

CHARLESTON, WV



LOCATION
Charleston, WV

PROJECT TYPE
Additions & Renovations
Design Submission

SIZE
146,600 gsf New
105,500 gsf Renovations

CONSTRUCTION COST
$82.2 million

CONTACT
David Molgaard, City Manager
P 1.304.348.8014

Architectural Although the design-build proposal was not selected, Silling played a key role on its' teams' submission for the recent Charleston Civic Center Expansion and Renovation Project. Working with DLR Group in Overland Park, KS, our firm leaders stood shoulder to shoulder with some of the nation's most talented convention center experts in developing a concept responsive to the iconography and identity of our river valley.

The architectural concept behind the new building additions abstracts the organic, natural landscape of West Virginia and speaks into the specific urban development of Charleston where the Kanawha and Elk Rivers have converged at their paths throughout the hills and mountains of the region. The building expresses the powerful relationship of earth and water that defines place and captures the natural setting identity of our city. These overlapping layers represented by a combination of individually and organically textured, shifting solid masses in contrast with the widely varied rhythm of transparent glass create a composition that is a wonderfully organic study of solid and void. Illuminated from within, the visual crescendo of transparency of the envelope, revealing itself shifting and moving to the influence of these organic and rigid edges of the river and its city context. The exterior architecture gives way and reveals the hidden internal layer and movement of the building and its identifiable volumes and surfaces. Our goal is to reinforce the strong brand of Wild and Wonderful set within the modern and sophisticated urban core of Charleston.

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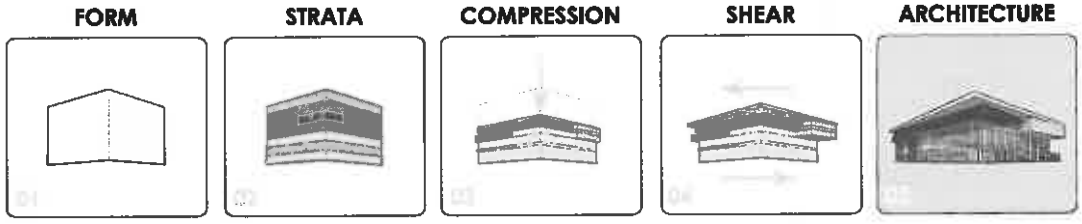
Charleston Civic Center Expansion Design Concept

CHARLESTON, WV



EXPANDING THE *IDEA*

SILLING
ARCHITECTS

Charleston Civic Center Expansion Design Concept

CHARLESTON, WV

SILLING
ARCHITECTS

Client References + Testimonials

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Eldon Callen
Commissioner
Monongalia County Commission
Phone: 1.304.291.7281
Email: moncom@aol.com

SILLING
ARCHITECTS

Client References + Testimonials

"We cannot begin to articulate how positive our experience has been working with Silling Associates. This firm is truly a value."
-Patrick Boyle | Lewis County Commission

"If a client wants quality architectural work, personal service and have no surprises during the process I would recommend Silling."..."Creative, well-thought out options are always provided and your firm consistently follows through to the end."
-Brian Donat | Putnam County Manager

"Contrary to causing problems, Silling Associates helped prevent problem after problem through their attentive detail work." ..."The quality of their work is always linked to owner satisfaction. There is no more professional architect in the nation and none who are more responsive and responsible."... "Silling Associates is a fantastic architecture firm."
-Steve Canterbury | Administrative Director of the WV Supreme Court

"In closing, I cannot imagine a better architectural firm to work with for a courthouse project than Silling...their work and service has truly been an asset to the citizens and leadership of Hampshire County."
-Patty Davis | Hampshire County Building Commission

"Silling Associates does their homework which allows them to develop designs that work by listening and interpreting the needs of their client."
-John Robertson | Charleston Civic Center

"Their work has always been exemplary!"
-The Honorable Glen Stotler | Morgan County Family Court

"The courthouse program and design solutions presented by the Silling team have provided Medina County an array of options, with a required level of analysis and attention to detail, for the County to confidently move forward with project construction in the future...we are very pleased with our selection of Silling Architects as our design professional."
-Chris Jakab | Medina County Commission

"Silling Associates has done a commendable job of maintaining an innovative, integral design while still being responsive to the need for close historical integration into the surrounding community."
-Delaware City Historic Preservation Commission | City of Delaware, Ohio

"I must say, it has been an enjoyable experience working with Silling and I would be honored to recommend them for your upcoming project. They are very easily accessible, they are on the job site constantly to ensure plans are being met and work very well with any and all changes that need to be made. Their service has been top shelf in my book and I know you will be extremely pleased with them!"
-Tom Gilbert | Marshall County Board of Education

"In our experience, Silling Associates is one of the few businesses who seem to inherently manage life's priorities at all times. While every business is in the business of making money, Silling successfully balances their client's interest and the art of their craft with great integrity."
-Jason and Halcyon Moses | Barboursville, WV

ABOUT THE FIRM

Scheeser Buckley Mayfield LLC, is an Ohio based Consulting Engineering firm. The firm has enjoyed a steady growth in clients and geographical area served throughout its history. Originally serving clients only in the Akron and Canton areas, the firm serves clients throughout Ohio, West Virginia, and surrounding states.

The firm was established in 1959 by Walter L. Scheeser and Edwin J. Buckley, specializing in the design of mechanical systems for the construction industry. In 1987 Scheeser*Buckley*Miller*Starr, Inc. merged with V.R. Mayfield & Associates, Inc., a Canton, Ohio based electrical consulting firm, to form the present corporation which offers both mechanical and electrical design services to its diversified list of clients. V.R. Mayfield & Associates, Inc. was a long established electrical design firm of outstanding reputation also serving clientele throughout Ohio and surrounding states. The joining of the two firms has greatly strengthened the position of the firm in the design community and has helped insure the continued growth and excellent reputation the two firms enjoyed during their separate histories.

Scheeser Buckley Mayfield LLC has developed an outstanding reputation for its accessibility to its clients, and the clarity and completeness of its documents. The firm has been a leader in the application of new technology and communications and computer aided design document production. We have had extensive experience in the design and analysis of projects of all sizes. With this wide range of experience, we are able to not only design, but record the results of the design to continue to improve the total systems design. Each project requires an analysis of the most cost effective system available based on the client's design parameters. It is also the responsibility of the design team to determine if other options exist, which may be beyond the scope of the current budget, which need to be considered on the current project to allow for future growth. Scheeser Buckley Mayfield LLC gives this personal attention to each project by determining the project design which can be implemented within the client's budget while applying innovative design concepts.

Many of our projects each year originate from clients who have used our services previously and wish to continue a professional association. Scheeser Buckley Mayfield LLC strives to provide very professional, competent engineering services to all of our clients and to develop a personal relationship with these clients. Our on-going association with clients provides an opportunity for them to better understand design concepts as well as the logic behind the decisions which may affect their systems for many years after the project's completion.

1540 Corporate Woods Parkway
Uniontown, Ohio 44685
(330) 526-2700

James P. Kulick, PE, LEED AP, CBCP

Vice President - Mechanical Engineer

Scheeser Buckley Mayfield

Education:
The University of Akron—BSCE/1978/Civil Engineering

Professional Qualifications:
LEED 2.1 Accredited Design Professional
Certified Building Commissioning Professional (CBCP)

Registered Professional Engineer (Mechanical) in State of Ohio, West Virginia, Florida, South Carolina, Pennsylvania and Michigan

Shortly after graduation, Mr. Kulick accepted a position with Mosser Construction Co. as Field Engineer for the construction of the Solon, Ohio Waste Water Treatment Plant. When the project was nearing completion, Mr. Kulick joined the staff of an Akron, Ohio based mechanical contracting firm in 1979. There he performed HVAC, plumbing, and process piping estimating and project management, including coordination of all mechanical subcontractors for industrial, commercial and institutional buildings. While working as Project Manager for this mechanical contracting firm, Mr. Kulick gained knowledge of HVAC, plumbing and process piping systems that is not always available in firms engaging only in design.

Desiring to further pursue a career in design, Mr. Kulick joined the consulting firm of Scheeser Buckley Mayfield LLC, in 1983. Since 1983, Mr. Kulick has developed from Designer to Project Manager, and further to the position of Principal with the firm. He has participated in and managed the design of HVAC, plumbing and fire protection systems for commercial, industrial, and institutional clients throughout Ohio, Pennsylvania, West Virginia, Florida and South Carolina.

James P. Kulick, P.E. has served as principal in charge, project manager, lead mechanical design engineer and Commissioning Authority on many large mechanical projects. Jim has been involved in many complex projects throughout Northeast Ohio including central chilled water systems and central heating systems.

Projects with which Jim has been involved vary in nature and range from small renovations to major remodeling involving multiple buildings and multiple campuses. Jim has managed the design of several specialized systems, which include boiler plants, central chilled water plants; medical gas systems including alarming, isolation room exhaust systems, surgical suites, including specialized exhaust systems for orthopedic surgery, clean rooms; medical laboratories; computer room HVAC; mainframe computer cooling systems; high and low pressure air distribution systems; pneumatic, electric, and direct digital electronic control systems; laboratory gas piping systems. As lead designer and PIC for hundreds of projects over the past 30 years Jim has commissioned several of these and has solved numerous problems for his clients. This wealth of experience has made Jim an excellent commissioning authority as the breadth of systems and issues he has been involved with are extensive. As a Certified Building Commissioning Professional (CBCP) Jim has reviewed contract documents proposed by other engineering firms and has helped facilitate design and operational changes to improve building's comfort and energy consumption.

Work Experience:

Stark County Parks & Recreation
Canton, Ohio

Ohio Department of Natural Resources
Akron Ohio

Akron Zoo
Akron, Ohio

The University of Akron
Akron, Ohio

Kent State University
Kent, Ohio

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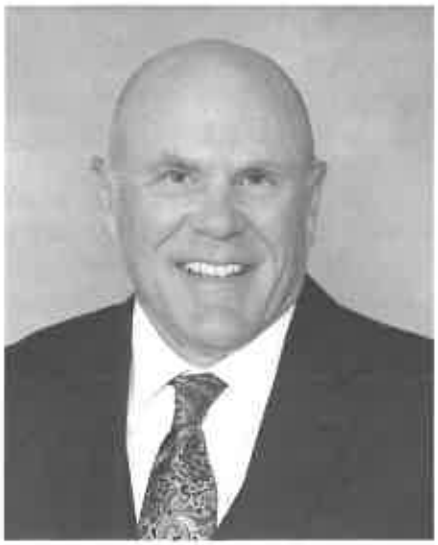
James E. Eckman, PE, LC, LEED AP, CBCP

President - Electrical Engineer



Scheeser Buckley Mayfield

Education:
The University of Akron—BSEE/1984/
Electrical Engineering

Professional Qualifications:
Lighting Certified (LC)
LEED 2.1 Accredited Design Professional
Certified Building Commissioning Professional (CBCP)

Registered Professional Engineer (Electrical) in State of Ohio, West Virginia, North Carolina, and Pennsylvania

Mr. Eckman began his career as a consulting engineer by accepting a position as junior engineer with Kucheman, Peters and Tschantz, Inc., an electrical consulting firm in Akron, Ohio. After leaving KPT, Inc. in 1987, Mr. Eckman gained additional experience in the construction industry by accepting the position of Engineer/ Estimator for Thompson Electric, Inc. in Munroe Falls, Ohio. Desiring to further his career as a consulting engineer, Mr. Eckman accepted a position of Senior Engineer with Scheeser Buckley Mayfield LLC in 1989. Mr. Eckman was promoted to the position of Associate in 1990, became a Principal in the firm in 1991 and Vice President of Electrical Engineering in 1992, and President in 2003.

At Scheeser Buckley Mayfield LLC Mr. Eckman has been actively engaged in the electrical design and project management of hundreds of healthcare, secondary and higher education, institutional and commercial projects throughout Ohio and West Virginia. These projects include new construction, additions and renovation. His experience as both a contractor and consultant provide valuable insight into the design and construction process.

Healthcare clients include Summa Akron City Hospital and St. Thomas Hospital, Akron General Medical Center, Aultman Hospital, Lake Hospital Systems, The Cleveland, Clinic, VA Brecksville and VA Wade Park, Massillon Community Hospital, St. Mary's Hospital and Cabell Huntington Hospital in Huntington, WV.

Higher Education clients include Kent State University, The University of Akron, Cleveland State University, NEOMED, Marshall University and West Virginia State University.

Mr. Eckman has also designed projects for AT&T, First Energy, Dominion East Ohio, First Merit Bank, Charter One Bank, The City of Akron and the Pro Football Hall of Fame.

Mr. Eckman was a member of the Institute of Electrical and Electronics Engineers for eight years and the Electrical League of Northeastern Ohio. He is currently an active member of the Illuminating Engineering Society (IES). Mr. Eckman has served as Treasurer and President of the Cleveland/Akron IES section and a member of the Executive Committee for the Electrical League. Mr. Eckman served on the College of Engineering Advancement Council for The University of Akron from 2002 to 2004 and as Secretary, Vice Chairman and Chairman of The University of Akron Electrical Engineering and Computer Engineering Advisory Council. He has also served on special committees to select the College of Engineering Dean and ECE Department Chairman.

Work Experience:

Stark County Parks & Recreation
Canton, Ohio

The University of Akron
Akron, Ohio

Ohio Department of Natural Resources
Akron Ohio

Kent State University
Kent, Ohio

1540 Corporate Woods Parkway - Uniontown, Ohio 44685 - (330)-526-2700 - Fax: (330)-896-9180 - jeckman@sbmce.com - www.sbmce.com

Joe Harless, RCDD

Senior Information Technology Systems Designer

Scheeser Buckley Mayfield

Professional Qualifications:
Registered Communications Distribution Designer (RCDD) - 1997

Mr. Harless has been in the telecommunications industry since he left the construction field in 1991 to install security alarms, fire alarms, CCTV systems, access control systems, CATV cabling, UTP and fiber optic structured cabling, voicemail systems, KSU's, and network electronics for GBS Computer & Communication Systems

In 1993, Mr. Harless became a Project Manager for GBS where he supervised and coordinated all major installations. During this time he received training and certifications from many manufacturers to ensure GBS' ability to offer extended warranties for their installations.

In 1997, Mr. Harless accepted the position as Network Designer at GBS. There, he performed design, engineering and estimating duties for all GBS' structured cabling and networking projects. In addition to these functions, he provided technical training and support to the field technicians and was responsible for the research and selection of all materials, tools and test equipment.

Mr. Harless joined Scheeser Buckley Mayfield LLC in July, 2002 as the Senior Telecom Designer and is responsible for managing all of the information technology systems designs produced by the firm. Modern buildings and businesses demand extensive information technology equipment and wiring which must be integrated into the design of the entire facility. Joe is the key person at Scheeser Buckley Mayfield who coordinates these design requirements with our electrical and mechanical staff to ensure that the information technology equipment and wiring designs meet the current and future needs of our clients.

Work Experience:

Akron Zoo
Akron, Ohio

Stanford Brown Career Education
Columbus, Ohio

Kent State University
Kent, Ohio

The University of Akron
Akron, Ohio

1540 Corporate Woods Parkway - Uniontown, Ohio 44685 - (330)-526-2700 - Fax: (330)-896-9180 - jharless@sbmce.com - www.sbmce.com

Akron Zoo Education Center
Akron, Ohio

Scheeser Buckley Mayfield LLC designed the HVAC, plumbing, and fire protection systems for a new education building. This building will have several different areas including animal exhibits, a full service kitchen, and conference areas. Also, this building was designed and constructed to be a LEED Certified green building via several design elements. One major element is the HVAC system, which is a ground source heat pump system. Other 'green' elements will include displacement ventilation and waterless urinals. This building is currently occupied and in the LEED certification phase. A part of this new 35,000 square-foot building was the Komodo Kingdom education center at the Akron Zoo. Total construction costs were approximately $9.3 million, and the building was designed and constructed with many environmentally conscious materials and practices.

Moses Residence
Barboursville, WV

Situated on a 40-acre wooded site, this new 6,000 square foot house was designed and built as a "dream green home" for the environmentally-conscious clients. After hiking the property for four years, the clients and architect began planning the home using the best sustainable practices and technologies available with the goal of being completely off-the-grid within five years. The house follows the natural topography of the sites' north/south ridgeline and is nestled into the slope providing a low profile, one-story east side for shady afternoons on the screen porch, while the west side is two-storied for tree-house views from the main interior space across the gulley. The interiors are animated with natural air and light encouraged by two light shafts on either end of the internal circulation for stack effect ventilation. The house is designed in a contemporary Arts and Crafts style reflecting the client's appreciation for natural materials, handcrafted workmanship and simple yet elegant detailing. A crew of Amish rough and finish carpenters built the house. Durable, natural, long life, moisture and mold resistant, reused, recycled, and recyclable materials are used throughout the interiors. Low VOC paints and stains were used and cabinetry was made with no formaldehydes. Energy Star appliances and equipment, as well as LED and CFL light fixtures, are throughout the house. The exterior skin of the house is clad with cultured stone, traditional stucco, FSC cedar, cement fiber board, and recyclable metal shingles.

Marshall University Student Wellness Center

Huntington, WV

In an effort to encourage the campus community to lead healthy lifestyles, Marshall University established the Wellness Coalition. This unique wellness village with a three-level recreation center is flanked by two residence halls, emphasizing the combination of living-learning-wellness. The aquatics center offers lap lanes, a leisure pool and a large hot tub. Other components in the three-story Center include a four-court, wood floor gymnasium; 17,000 SF cardio and weight training spaces on two floors; fitness/dance studios; a boxing/martial arts room; a spinning room; racquetball courts and a 45-foot climbing wall. The Center's amenities include a lobby large enough for social functions, a healthy café, a daycare center, lounges, the Outdoor Pursuits office, storage, and several sets of locker rooms. The Wellness Center on the third floor is accessible from the lobby and offers fitness assessments and massage therapy. It serves as a laboratory for students enrolled in courses in exercise science, sports and recreation. The new buildings fit in well architecturally with the existing urban campus. Walkways, landscaping and outdoor furniture are visually appealing, functional and safe, encouraging outdoor leisure.

Marshall University Residence Halls

Huntington, WV

The 161,000 square-foot, 782-bed residence halls have been open since 2008. They consist of two buildings, the North and South Residence Halls, and are located toward the east end of campus.

Specialty areas include a theater, conference room, classroom, laundry, study areas and a lounge/café. The halls also feature up-to-date technology, including one wired port per bed, wireless accessibility in all areas, VoIP security phones, video surveillance, card swipe entry access and multimedia in specialty rooms.

Cabin Creek Health Systems
Sissonville, WV

Silling Architects and SBM were commissioned by Cabin Creek Health Systems to design a new health clinic to serve the Sissonville, WV community, replacing a facility that was lost to a fire. Our design team was inspired by the support CCHS received from local residents, who donated time, resources, and space to get their clinic operational within days of the loss. Eventually, the Sissonville Health Clinic staff relocated into the former Bonham Elementary School facility, which had been abandoned due to repeated flooding. During their short time of occupancy, CCHS has been burdened with continued interruption, damage, and stress of additional flooding and the associated clean-up, repair, and restart. Invested in the families of Sissonville, CCHS secured USDA and HRSA funding and is readying to break ground on the new 10,600 SF facility to be located prominently on Route 21 near the town's core. Through the perspective of loss and hardship, and with great commitment to serve, the notions of sustainability and resilience have informed the programming and design of the new clinic.

The building envelope, mechanical systems, and electrical distribution and lighting are designed with higher performance in mind, and the critical systems and spaces in the facility are served by emergency power to allow for continued operation through future natural and synthesized interruptions. Building siting and orientation, as well as fenestration placement and the use of insulated translucent panels maximize interior spatial quality through natural light and view. The overall building design aesthetic speaks to the duality of the organic natural setting, palette, and tone of the Kanawha Valley against a highly machined, ordered framework symbolic of modern healthcare and medical advancement – all depicted with an underlying warmth responsive to the level of care delivered by Cabin Creek Health Systems to the people of Sissonville.

SMBH

STRUCTURAL ENGINEERING

SMBH, Inc. specializes in providing structural engineering services for architects, contractors and building owners. Our commitment to providing quality service since 1972 has resulted in exceptional experience with all project types including:

- Educational
- Institutional
- Residential
- Commercial
- Recreational
- Industrial & Distribution Centers
- Healthcare
- Public Projects

As a full service structural engineering firm **SMBH, Inc.** provides the following services:

- Design and documentation of building projects including new construction and renovations
- Assessment and Analysis of existing structural systems
- Failure Analysis and Investigations
- Expert Witness Testimony
- Foundation Systems
- Feasibility Studies
- Code Analysis

SMBH was one of the first structural engineering firms in the Central Ohio region to utilize BIM technology. We have used this technology on projects as small as a 5,000 square foot addition to projects as large as a 350,000 square foot courthouse. We have also worked with the State of Ohio Architect's Office to help them develop their BIM Protocol. This document will be followed by designers and constructors on all future projects with the SAO that require the use of BIM.

The firm and individual staff members are committed to providing high quality service. The key to success of any project is balancing design, functionality and costs. We work closely with our clients to ensure that the structural design compliments each building.

Our staff of 31 includes 13 registered engineers, 7 design engineers, 7 modelers, a director of marketing & business development, an office manager, an accounting manager and a controller. Four of our engineers are LEED Accredited Professionals.

The leadership team of **SMBH, Inc.** has over 150 years of combined experience in structural design. SMBH enjoys the challenge of developing creative structural engineering solutions. ***We listen to our clients.***

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Robert A. Baumann, PE, SE – Vice President

SMBH, Inc.

Project Responsibility: Principal-in-Charge / Project Manager

DEGREES/REGISTRATION/EXPERIENCE

Bachelor of Science	Civil Engineering, University of Cincinnati 1980
Master of Science	Civil Engineering, University of Cincinnati 1981
Registration	Ohio, Arkansas, Arizona, Georgia, Idaho, Iowa, Kentucky, Nebraska, Nevada, New Mexico, North Carolina, Oregon, Rhode Island, South Carolina, Utah, Washington, West Virginia
Member	American Council of Engineering Companies (ACEC) American Forest & Paper Association American Institute of Architects - Columbus Chapter (Affiliate) American Institute of Architects - West Virginia Chapter - (Affiliate) American Institute of Steel Construction (AISC) American Society of Civil Engineers (ASCE) Council of American Structural Engineers (CASE) St. Elizabeth Church-Finance Committee Structural Engineers Association of Ohio (SEAoO) Tilt-Up Concrete Association

BACKGROUND EXPERIENCE

Bob has been employed in the consulting structural engineering business since 1981. His prior office and field experience with a registered land surveyor contributes to his knowledge of the design and construction process. His work experience with a general contractor included the construction of building types built of reinforced concrete, steel, wood, masonry and precast concrete. Bob has designed new buildings as well as additions and large renovation projects.

Bob is experienced in the design of structures built from many types of construction materials including post tensioned concrete. His many years of experience allow him to design innovative, economical, and serviceable structures. Bob is experienced in investigative work for adaptive reuse of existing structures. He has provided field observation during construction of many of the projects that he has designed.

PROJECT RESPONSIBILITIES

As Principal-in-Charge/Project Manager, Bob will be the primary point of contact for the SMBH team. He will collaborate with the design team early in the design process to develop the conceptual design of the building structure. During design, he will lead the SMBH team and collaborate with the design and construction teams. He will perform document reviews throughout the design of the project.

REPRESENTATIVE EXPERIENCE

Raleigh County Judicial Annex
Beckley, West Virginia
Completion Date: 2011
Construction Cost: $15,000,000

Hampshire County Judicial Center
Hampshire County, West Virginia
Completion Date: 2008
Construction Cost: $7,000,000

Bible Center Church

Charleston, West Virginia

Owners
Bible Center Church

Construction Manager
Pray Construction Co.

Architect
Silling Associates, Inc.

Completion Date
2008

Construction Cost
$11.25 million

Project Size
310,000 Square Feet

Awards
2010 AIA West Virginia Merit Award

Dedicated to serving the needs of their parishioners, Bible Center Church created a multi-phased development plan to relocate their facility to a new campus. In total, the proposed church campus includes more than 250,000 square feet of worship, fellowship, education and administrative space on a picturesque 90 acres. The first phase of this development included approximately 60,000 square feet of worship; Christian education; administrative support space; 500 surface parking spaces; a new access drive; plazas and landscaping; as well as site infrastructure for future development. The central component of phase one includes a 1,200-seat multi-purpose sanctuary that serves the needs of the initial relocation. The grand lobby space offers a window to the outdoors with its large fenestration and clerestory features. The extensive glass curtain wall and large open spaces were accomplished with a combination of tubular steel frames and glulam wood trusses. A large fireplace in the lobby creates a welcoming environment for fellowship. The worship space is designed to continue the elegant lodge-like atmosphere with its richly textured fabrics, stone and warm natural millwork. The phase two strategic plan expands the educational and gymnasium space. A portion of this phase provides for administrative needs. Phase three includes a 2,200-seat worship center, a small chapel and additional room for the education ministry.

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SMBH
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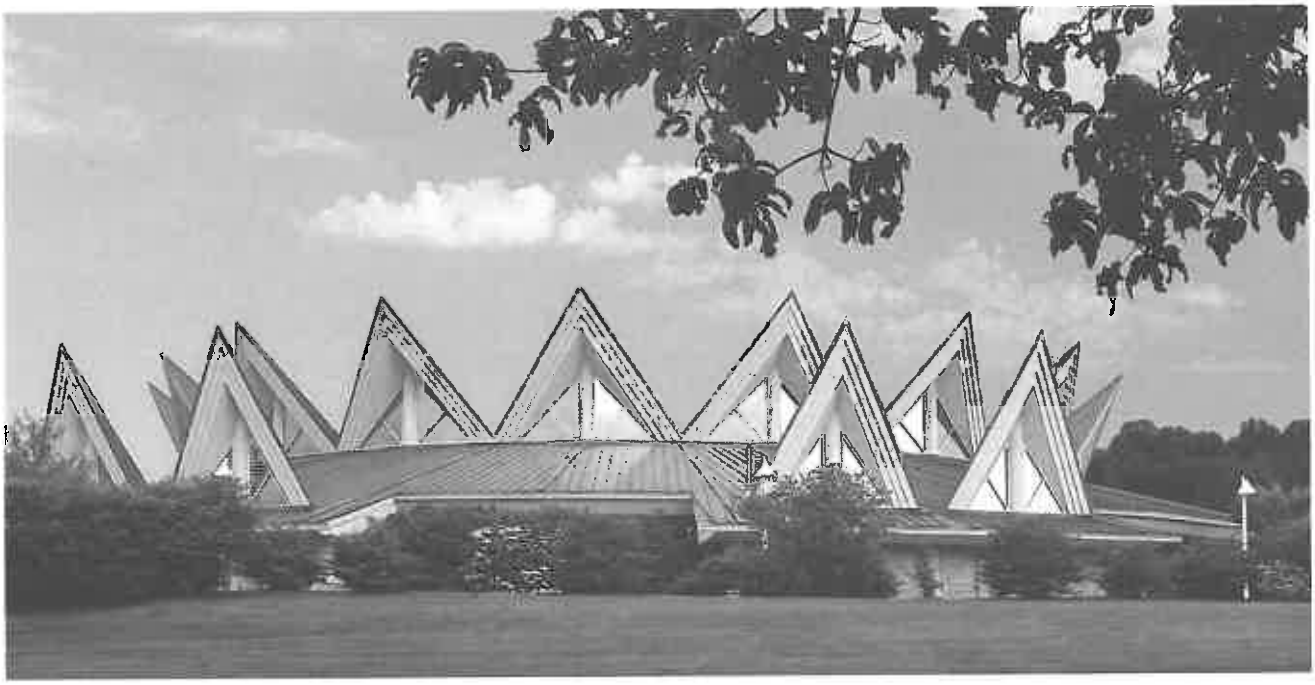

Owner:
West Virginia Turnpike Authority

Construction Manager:
Radford and Radford

Architect:
Bastian and Harris

Completion Date:
1995 for Retail Space
2003 for Conference Center

Construction Cost:
$20 million

Project Size:
59,000 Square Feet
22,500 Square Foot conference center

Tamarack

Beckley, West Virginia

A unique concept for showcasing handcrafts, fine art and regional cuisine, Tamarack is comprised of more than 59,000 square feet of retail space, working studios for six resident artisans, a fine art gallery, a theater and "A Taste of West Virginia" food court with an additional 22,500 square feet of meeting space in the Tamarack Conference Center. Located in Beckley, W.Va., Tamarack was a bold idea by a visionary West Virginia governor to showcase all of his state's offerings. With an arresting, innovative and eminently functional design, the building is circular in form and resides below a roof structure that is based on the pattern of a star quilt. To remain true to the vision for the facility, artisans were also involved in the construction of Tamarack. West Virginia artisans created structural elements to bring their handcrafted works into the facility. The steel frame of the roof structure presented numerous challenges. The majority of the steel beams are sloped, skewed and canted to accommodate the star quilt shapes. A full size mock-up of one bay of the roof was constructed in the steel fabricator's yard so that the complex geometry could be fine-tuned prior to the on-site erection. The $20 million dollar facility located in the Appalachian mountain range hosts more than a half a million visitors a year.

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Grange Insurance Audubon Center
Whittier Peninsula
Columbus, Ohio

Owner:
City of Columbus Recreation and Parks

Construction Manager:
Gutknecht Construction Co.

Architect:
DesignGroup

Completion Date:
2009

Construction Cost:
$6 million

Project Size:
18,000 Square Feet

LEED Certification:
LEED Gold

Awards:
2008 Sustainability Award – Un-built Category
2009 ABC Excellence Construction–Eagle Award
2010 Dayton Builders Exchange Green Building Award Winner
Finalist – 2009 James B. Recchie Design Award

The Grange Insurance Audubon Center will be the first new building at the Whittier Metro Park. The 18,000 square foot building is designed to provide views to the surrounding landscape and river. A bird viewing area on the north side of the building will allow visitors to enjoy the bird habitat.

The Architect stated, "This urban ecology center represents a catalyst for change connecting urban youth with their natural environment. The acre parcel is viewed as "the center," with some activity indoors and some outdoors. Every aspect of this LEED Gold facility provides a learning opportunity in the environmental awareness, habitat restoration, conservation practices, and sustainable strategies. Building massing, orientation, materials, and mechanical systems work in concert to create an interactive workshop environment celebrating the 5 R's - reduce, reuse, recycle, restore, and revitalize.

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SMBH
STRUCTURAL ENGINEERING

Owners:
Aquatic Adventures Ohio, LLC

Construction Manager:
Ruscilli Construction Co. Inc.

Architect:
Meyers Welsh Architects

Completion Date:
2007

Construction Cost:
$3 million

Project Size:
25,000 Square Feet

Aquatic Adventures

Hilliard, Ohio

Aquatic Adventures is located at a high traffic intersection in Hilliard, Ohio near a major interstate exchange. It is the Midwest's premier aquatic center offering scuba training, swimming lessons for all ages, water fitness and lap swimming. Because of the highly visible location, the owner wanted a visually appealing structure. As such, a sun screen was utilized on a high roof at the south end of the building and arched roofs with high bay windows. One of the challenges for this project was the deep foundations that had to be used at some locations because of the timing of the deep pool installation. The facility includes a 14,000-square-foot natatorium with two pools and 4,000 square feet of retail floor space. Another challenge for this project was the short design and construction schedule. Flexibility by the design and construction team in handling changes during the short schedule was crucial to the success of this project.

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SMBH
STRUCTURAL ENGINEERING

Owner:
Columbus Metro Parks

Construction Manager:
Setterlin

Architect:
DesignGroup

Completion Date:
2014

Construction Cost:
$5 million

Project Size:
15,000 Square Feet

Awards:
2014 AIA Columbus Merit Award
014 AIA Ohio Merit Design Award

LEED:
Registered

Battelle Darby Creek Environmental Center

Columbus, Ohio

The Battelle Darby Creek Environmental Center serves as an educational nature center in which visitors can learn about the park's diverse ecosystems. The building features a 53 foot long living stream, which reproduces the waterway habitats that are found within the park. Other interactive exhibits are also featured which allow guests to engage in the natural world around them.

The primary design challenge for the project was the placement of the building in the fragile setting of the park. The building was oriented on the site to provide an overlook for the natural prairie that supports bison and also to look toward Battelle Darby Creek. The building orientation also supports the principles of climate responsive design as well as other features such as natural ventilation and the use of geothermal heating and cooling systems.

A green roof planted with native vegetation integrates the building into the surrounding landscape. The green roof and the sloping site required careful coordination and planning to design the structure appropriately. Careful coordination was also required to provide adequate structural support for the living stream, which is supported on a structural floor.

The building is pursuing LEED Silver Certification.

Performed the structural design in the early design stages. This design coordinated with the design intent and defined the structural system for the building. Our work provided design for the foundation system and the floor and roof structures.

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SMBH
STRUCTURAL ENGINEERING

Hocking College – Energy Institute

Logan, Ohio

Owner
Hocking College

Construction Manager
Robertson Construction

Architect
DesignGroup

Completion Date
September, 2009

Construction Cost
$3.2 million

Project Size
12,200 Square Feet

LEED Certification
LEED Platinum

Hocking College - a two-year technical college in Logan, Ohio - launched the Hocking College Energy Institute (HCEI), to offer training in advanced energy and fuel cells. HCEI reflects Hocking College's commitment to participating in the new green economy. The new 12,200-square-foot facility, which opened in September 2009, features green building design aspects and hands-on learning labs for students. Upon completion, HCEI received LEED® Platinum Certification from the U.S. Green Building Council (USGBC) the highest level of certification allowed by USGBC. HCEI is the first educational building in the state of Ohio awarded this distinction.

SMBH's goal was to provide as many sustainable elements as possible to obtain the LEED Platinum rating, To achieve this objective, the team used structural steel and concrete with high-recycled and regionally manufactured content, included a 4,000 square-foot green roof planted with native vegetation which reduces storm water runoff, and designed a framing system that achieved the design goals of providing natural light, outdoor views, and operable windows that provide natural ventilation during nice weather. The structure is also entirely exposed inside the building, so the design required close coordination with the design aesthetic of the building.

Other building elements that contributed to the LEED certification include: a 21.2 kW photovoltaic array, which provides 15 percent of the building's total electrical needs, a 2.4 kW wind generator which supplements the photovoltaic array, a solar thermal hot water system that provides hot water for the building, and geothermal ground source heat pumps that provide heating and cooling for the building while using 30 percent less energy than conventional HVAC equipment.

SMBH
STRUCTURAL ENGINEERING

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QUALIFICATIONS

CORPORATE OVERVIEW

TERRADON Corporation offers a multi-faceted approach to design engineering and consulting services. For more than 25 years TERRADON staff has provided a wealth of engineering solutions blanketing the Ohio Valley and the Appalachian Region with successful projects. The company built its reputation on expert personnel and quality, time-sensitive service. Those same founding principles hold true today.

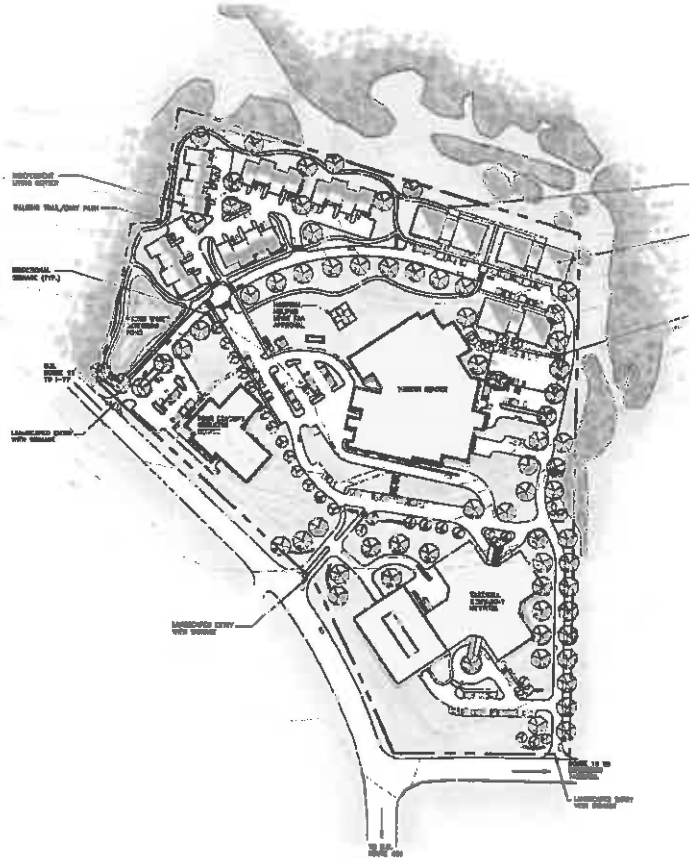
Staff includes engineers, landscape architects, surveyors, planners, environmental scientists, designers, technicians and LEED Accredited Professionals.

The company maintains approximately 50 leading-edge staff in four locations: Poca, WV; Lewisburg, WV; Charlton Heights, WV; and Ripley, WV. TERRADON'S departments work cohesively to provide turn-key solutions that strive to exceed client expectations.

ABOUT TERRADON

The family-owned business has built a strong reputation by providing flexible, cost effective design solutions and maintaining the highest level of customer service. TERRADON is particularly suited to design engineering within the mountainous areas of the Ohio Valley and Appalachian Regions. The firm has been recognized through numerous awards from professional organizations and agencies including the several State Divisions of Highways, Departments of Environmental Protection and the American Institute of Architects state chapters.

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



SERVICE OFFERINGS

- Land Planning and Site Design
- Civil Engineering
- Environmental
- Geotechnical Engineering
- Surveying and Mapping
- Water/Wastewater
- Transportation Engineering
- Structural Engineering
- Construction Oversight and Monitoring
- Materials Testing

TERRADON Land Development Services Overview

Land Development covers a broad swath of TERRADON's service offerings and sees a large percentage of its annual revenue from repeat clients or referrals. The group is composed mainly of Landscape Architects and CAD designers who frequently team with every other department within the company.

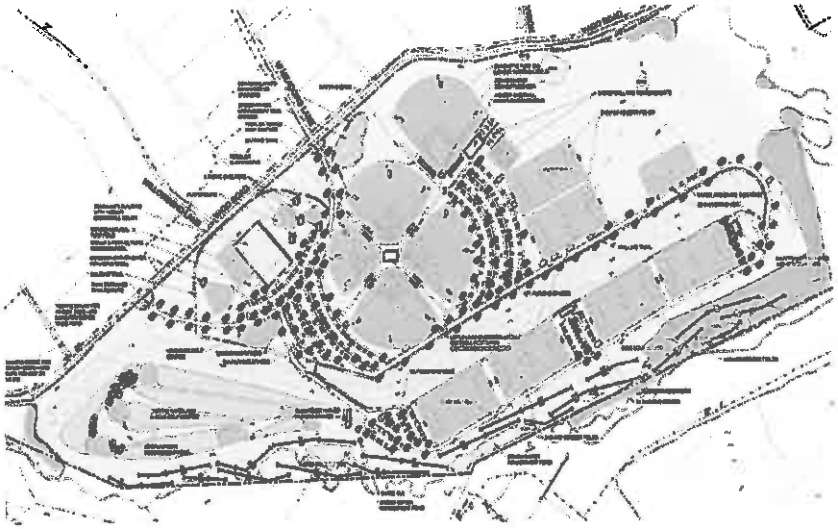
TERRADON's Land Development department collaborates with public and private entities and has a strong presence in the recreation, public/civil, educational and commercial development sectors. TERRADON is recognized as a leader in providing site design and land planning services. The firm's professional engineers work closely with the client from the project's initial phase through a schematic design, construction documents and project delivery. TERRADON's Landscape Development Group remains on the forefront of sustainable design, providing LEED Accredited Professionals to clients. Projects utilizing sustainable design best practices aid clients in significantly reducing energy costs on projects.

TERRADON's Land Development Group works in a variety of markets including: Parks/Recreation, Commercial/ Industrial, Civic/Public, K-12 Education, Higher Education and Medical.

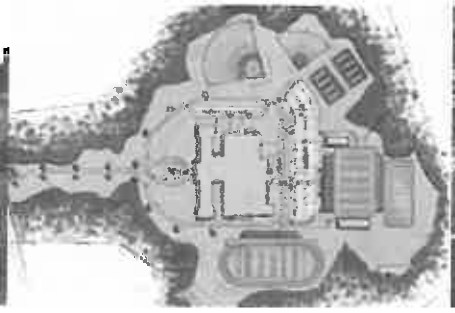
Projects include: Master planning, recreational planning, funding agencies assistance, economic development planning, surveying, engineering, architecture, historical preservation construction administration and inspection.

LAND DEVELOPMENT SERVICES

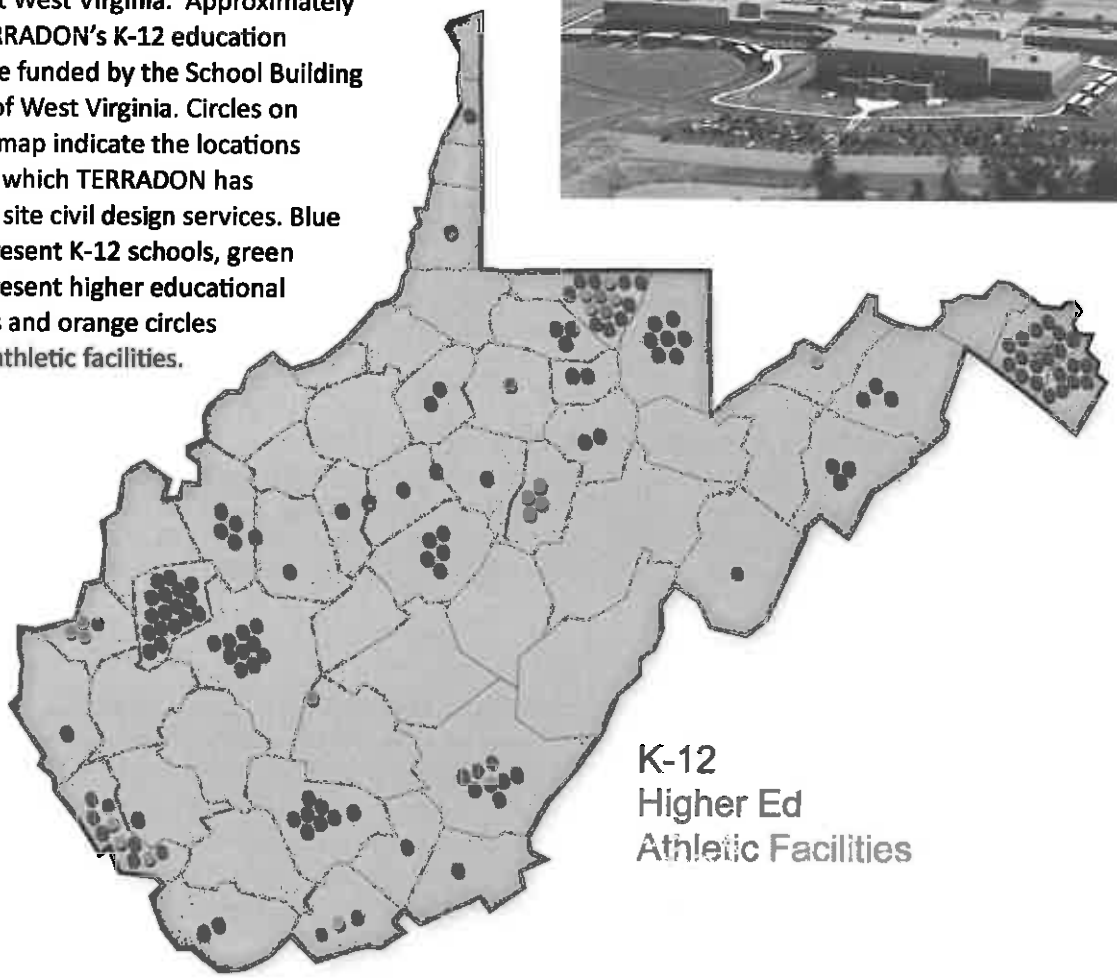
- Master Planning
- Presentation Drawings/Renderings
- Site Feasibility Studies
- Schematic Design
- Layout Plans
- Grading Plans
- Stormwater Management Plans
- Erosion Control Plans
- Planting Plans
- Construction Observation



TERRADON Educational Facilities Overview



TERRADON has completed site design work for numerous educational facilities throughout West Virginia. Approximately 90% of TERRADON's K-12 education projects are funded by the School Building Authority of West Virginia. Circles on the above map indicate the locations of sites for which TERRADON has completed site civil design services. Blue circles represent K-12 schools, green circles represent higher educational institutions and orange circles represent athletic facilities.



TERRADON CORPORATION

TECHNICAL EXPERTISE - KEY PERSONNEL

Greg Fox, ASLA, LEED AP — Planner and Primary Point of Contact

Greg Fox has overseen the Land Development Department at TERRADON since its inception in 2000. He offers more than 26 years of industry experience, providing design services to a variety of markets. During his tenure, the Land Development Group has completed more than one hundred K-12 Educational projects and dozens of Higher Education projects.

Under his guidance, the group has been the recipient of Engineering Excellence awards from the West Virginia Association of Consulting Engineers, and the Gold Award for Engineering Excellence from the American Council of Engineering Companies. Additionally, the Land Development Group has been recognized numerous times for Merit Awards by the West Virginia Chapter of American Society of Landscape Architects. Fox is a registered Landscape Architect in West Virginia, Ohio, North Carolina, South Carolina, Pennsylvania and Virginia. He is an active member of the American Society of Landscape Architects. Fox received degrees in Landscape Architecture and Planning from West Virginia University.

Jim Nagy, PE — Infrastructure

Nagy performs Civil Engineering related to water and waste water projects at TERRADON. He specializes in the design of water treatment and distribution systems. He has more than 25 years of on-hand experience providing engineering for the largest private water company in West Virginia. He earned a B.S. in Civil Engineering from West Virginia University. His primary focus is on management of water and wastewater projects. He also performs design work related to water distribution systems and sewage collection systems.

Shawn Gray, ASLA — Landscape Architect

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

Peter J. Williams, ASLA — Landscape Architect

"Pete" Williams is a graduate of West Virginia University with a Bachelor of Science in Landscape Architecture. His responsibilities include landscape architectural design, grading and storm water drainage design, the design of pedestrian circulation systems and related amenities, roadway design, site planning, and quality control. Mr. Williams is registered as a professional Landscape Architect in West Virginia with more than 13 years of experience at TERRADON and more than 22 years of overall experience.

Robert Thaw, PS — Survey and Mapping

Robert Thaw, Vice President of Survey and Mapping, oversees all TERRADON Survey services. TERRADON's survey group serves a diverse range of projects in support of seven TERRADON service groups in addition to managing survey-specific clients. Thaw manages a staff of Professional Surveyors and Computer Aided Drafting (CAD) designers who provide mapping, construction layout, ALTA survey, topographic survey and boundary survey services. Thaw's leadership has been instrumental in TERRADON's prioritization of the use of modern technology, ensuring clients the most efficient and accurate results. Additionally, he is responsible for in-house design of commercial property sites, parking and utility easements, and review of project plans and base mapping creation. Thaw's group also provides as-built surveys, utility identification surveys and deformation monitoring of design features such as retaining walls and dams.

TERRADON

RELEVANT EXPERIENCE

Summit Bechtel National Scout Reserve Master Plan

From 2008 to July 2013, TERRADON provided a variety of services for the development of the Summit Bechtel National Scout Reserve near Mt. Hope, Fayette County, WV. In fact, TERRADON worked with local entities on the initial site selection and presentations to the Boy Scouts of America, which landed this massive project in Mt. Hope.

The Summit is a 10,600+ acre outdoor adventure center near Mt. Hope, WV next to the New River Gorge National Park. The world-class facility serves as a venue for the Boy Scouts of America's fourth High Adventure Base, the permanent home to the National Jamboree, a summer camp and National Center for Scouting Excellence leadership center - all on the same contiguous property.

Services for the 10,600+ Acre site included:

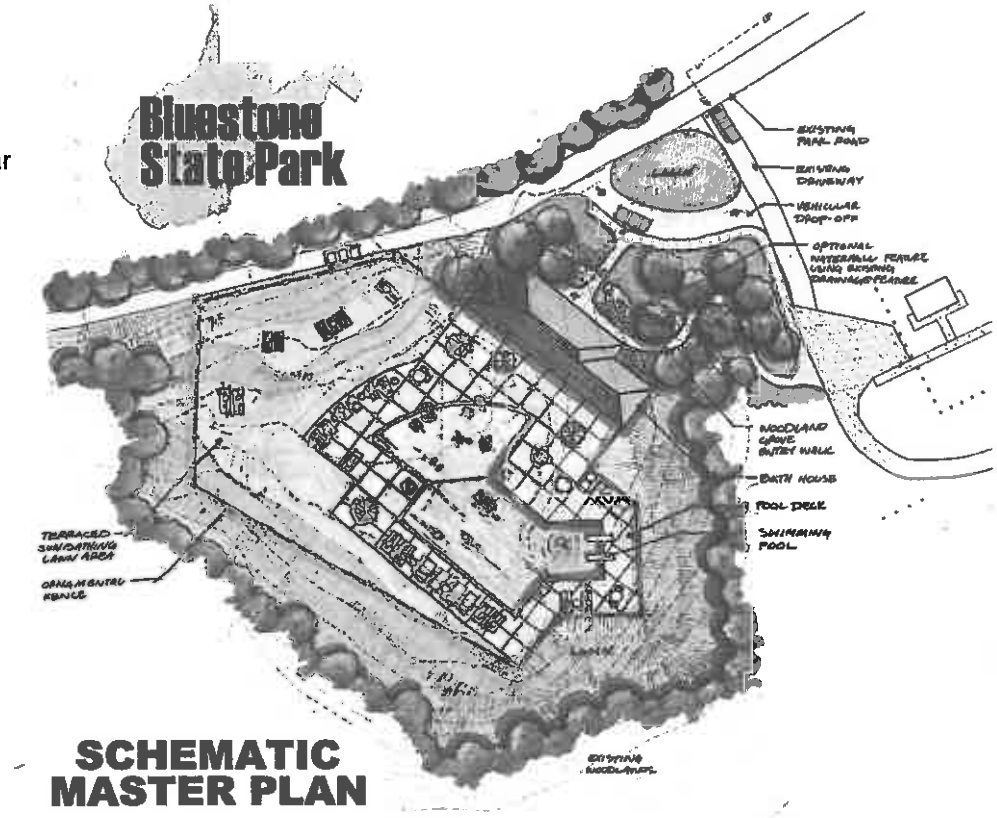
- Initial Site Selection/Conceptual Designs
- Site Planning/Grading
- Erosion and Sediment Control
- AML
- Survey/Mapping
- All Environmental Permitting
- Geotechnical Engineering
- Materials Testing and Construction Monitoring
- Utility Design
- 60+ miles of underground utilities
- 550,000 tons of aggregate produced by on-site rock crushing 600 acres of clearing, grubbing and rough grade operations
- 3 million cubic yards of excavation
- 600 acres of fine grading and revegetation
- 28 miles of drainage swales, including erosion and sediment control
- 14 miles of new roads (grade and drain)
- 4 earthen dams
- 80,000 seat lawn amphitheater
- On site sanitary sewer system

PRIOR EXPERIENCE - Parks and Recreation

Bluestone State Park Master Planning

TERRADON was responsible for the development of a swimming pool replacement for existing pools at Bluestone State Park. The existing pool was located within the 100-year flood plain and subject to flooding.

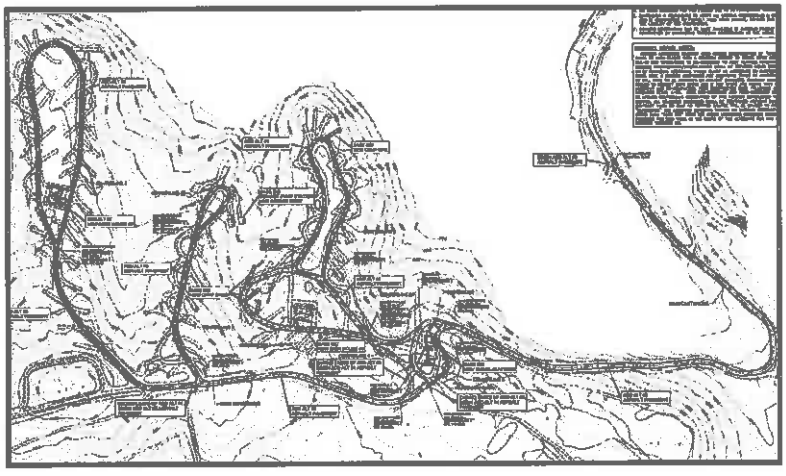
TERRADON proposed a new pool located above the 100-year flood plain while incorporating many unique and creative design features for Bluestone State Park guests and the surrounding community.



SCHEMATIC MASTER PLAN

Little Beaver State Park Design

TERRADON was responsible for the design of a campground expansion that doubled the number of existing full-service RV spaces, a new bathhouse and a trail system to the bathouse. TERRADON was also responsible for preparation of plans and specifications for a septic tank effluent gravity (STEG) system at the park. DNR Parks and Recreation had started the project using force account method of construction, but was unable to complete the project. Terradon designed the project to utilize materials already purchased and delivered to the site. The project consisted of septic tanks, one (1) grinder sewage pumping station, and small diameter gravity sewer (SDGS) with connection to the local PSD for treatment.



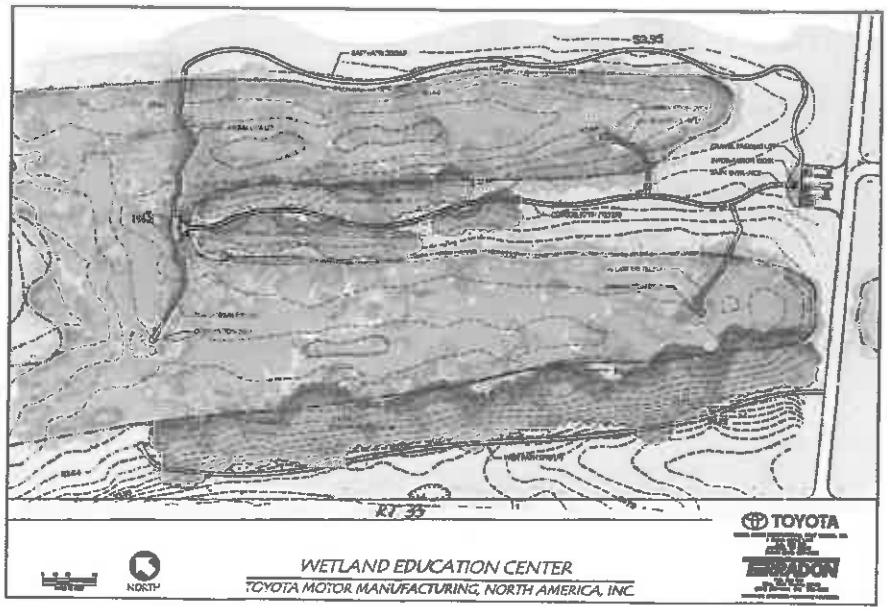
TERRADON CORPORATION

RELEVANT EXPERIENCE

Toyota Wetland Education Center

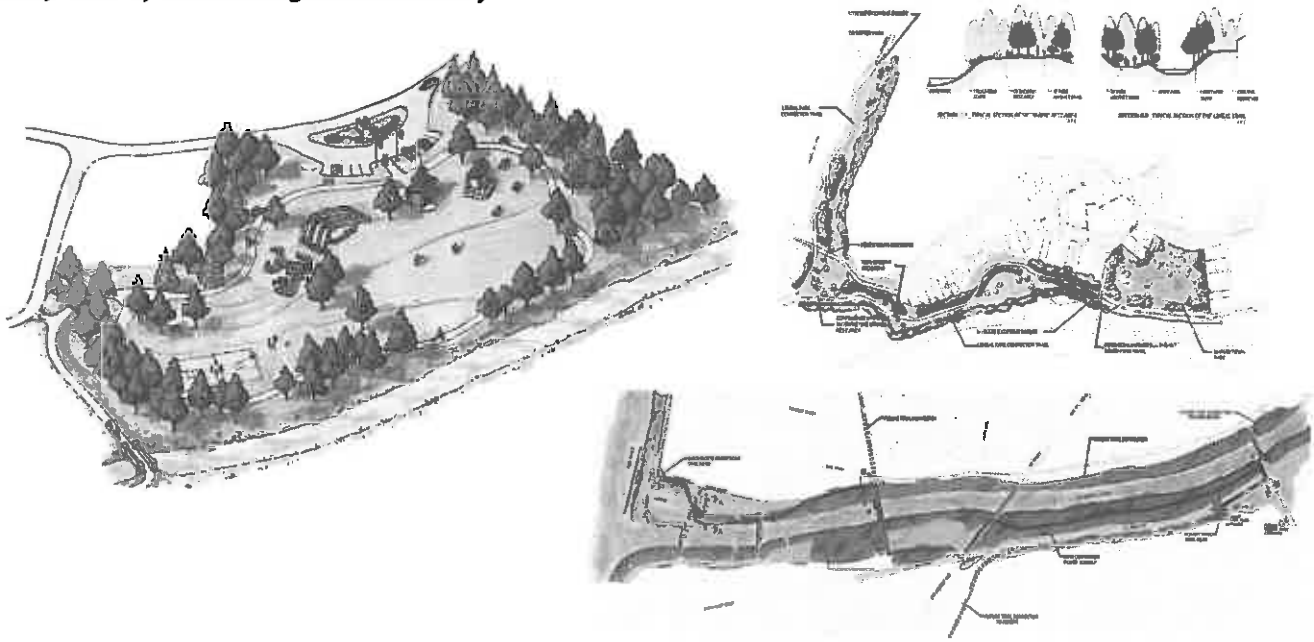
TERRADON Corporation provided Master Planning and site civil design services, followed by construction drawings, for the Toyota Wetland Education Center near Buffalo, WV.

Notable elements incorporated parking spaces, information kiosks, crushed gravel trails, elevated boardwalks and observation decks into this unique environmental habitat and wildlife refuge.



Harveytown Park & Connector Master Planning

TERRADON Corporation was responsible for trail design of a connector from Harveytown Park to Ritter Park in Huntington, WV. TERRADON provided a 3-Phase Master Planning approach for a section of trail that is predicted to be heavily used by the Huntington Community.

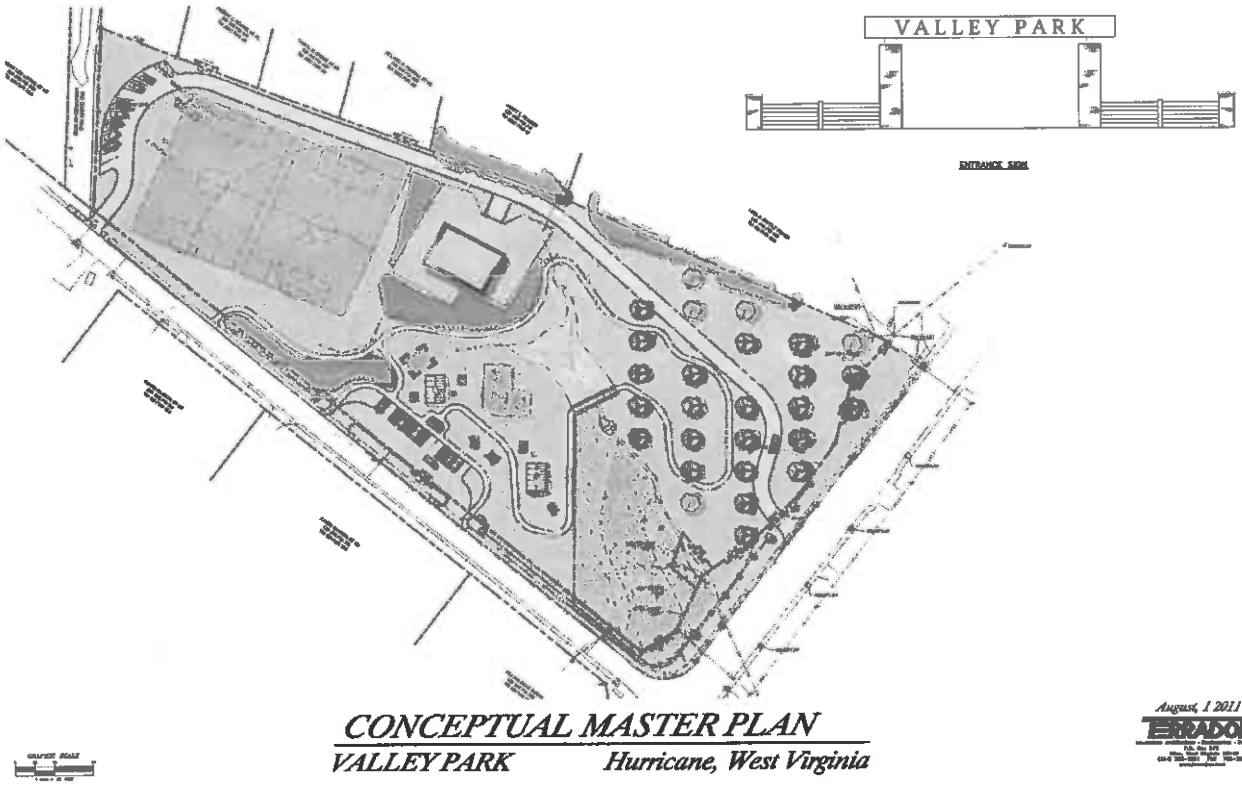


RELATED PRIOR EXPERIENCE - Master Planning, Trails

Putnam County Commission - Master Planning & Valley Park Expansion

TERRADON Corporation provided Master Planning and site civil design services for the expanding Valley Park in Hurricane, Putnam County, WV. This work is part of a nearly $2 million expansion, which was completed in 2013 and adds an additional 6 acres to the park.

The project included planning for athletic fields, multiple parking lots, access roads and greenspace, but also incorporated a walking trail that ties into existing park trails. The plan was produced in coordination with the WVDOT to determine roadway/walkway ingress/egress and designed in accordance with local, state and federal regulations.



PRINCIPALS/KEY PERSONNEL

Greg Fox, ASLA, LEED AP
Vice President of Land Development

Greg Fox oversees TERRADON's Land Development Sector. Fox has been responsible for hundreds of notable commercial, educational and recreational site development projects during his 25+-year career. During his time as Land Development Department Head, TERRADON has earned Engineering Excellence Awards from the West Virginia Association of Consulting Engineers, numerous Merit Awards from the American Society of Landscape Architects, and the Gold Award from the American Council of Engineering Companies.

Relevant Project Experience

- **The Bechtel Summit National Scouting Reserve**
  Provide Site Design for the 10,600+ acre site in Fayette County, WV. Responsible for site grading, construction drawings, NPDES design and coordination for all project subconsultants for NPDES permitting with WVDEP.
- **Greater Greenbrier Sports Complex**
  Provided Master Planning and Grading Design Services for the Greater Greenbrier Sports Complex located north of Lewisburg, WV. Five phases include: Master Planning, Grading Study, Full Construction Documents, Utility Layout, Road Design, Erosion and Sediment Control.
- **Advanced Technology Centers**
  Provided site grading, erosion and sediment control and utility design for two West Virginia Higher Education Policy commission Advanced Technology Centers located in Fairmont, WV and South Charleston, WV.
- **K-12 Educational Facilities**
  Responsible for Master Planning, Site Layout and Design, Schematic Renderings, Parcel Identification, Feasibility and Cost Analysis, and construction drawings for hundreds of k-12 educational facilities throughout West Virginia. Projects include new construction as well as renovations and additions.
- **Fairmont State University**
  Responsible for Master Planning and Design of inner campus, including design of seating fountain, drainage features and landscaping.
- **Marshall University**
  Responsible for Site Design, Utility Design, Grading and Drainage for Applied Sciences Building, Student Housing, Wellness Center and Parking Garage. Provided ADA compliancy on campus buildings and site design for existing soccer field.
- **Greenbrier Valley Medical Center**
  Responsible for master planning through site/civil construction documents for the Greenbrier Valley Medical Center in Lewisburg, WV.
- **Tazewell Community Hospital**
  Responsible for master planning through site/civil construction documents for the East Addition of the Tazewell Community Hospital in Tazewell, Virginia.
- **Thomas Memorial Hospital**
  Responsible for site/civil construction documents for Thomas Memorial Hospital in South Charleston, WV.

Education
B.S. Landscape Architecture
West Virginia University

B.A. Geography & Planning
West Virginia University

Work Experience
2000-Present
TERRADON Corporation

1996-2000
Martin Boal Anthony & Johnson Architects

1993-1996
Site Design

1989-1993
EG&G Inc

1988-1989
PSC Engineers

TERRADON CORPORATION

Peter J. Williams, ASLA
Landscape Architect

"Pete" Williams is a graduate of West Virginia University with a Bachelor of Science in Landscape Architecture. His responsibilities include landscape architectural design, grading and storm water drainage design, the design of pedestrian circulation systems and related amenities, roadway design, site planning, and quality control. Mr. Williams is registered as a professional Landscape Architect in West Virginia with more than 15 years of experience at TERRADON and more than 24 years of overall experience.

Relevant Project Experience

- **Fire Stations, Medical, First Responder, Public Facilities**
  Yeager Airport Fire/Crash/Rescue Station
  Fairmont Public Safety Building & Fire Safety Station
  South Charleston Fire Station
  Greenbrier Valley Medical Center
  A New Marshall County Public Safety Annex
- **Higher Education**
  Marshall University Student Recreation Center
  Marshall University Student Housing
  Fairmont State Inner Campus Design
- **K-12 Schools, Athletic Fields and Other Facilities**
  A New Marsh Fork Elementary School
  A New Shady Spring Middle School
  Hurricane High School Sports Fields, Additions & Renovations
  Lakeside Elementary School Additions & Renovations
  Eastwood Elementary School Additions & Renovations
  Flinn Elementary School Additions & Renovations
  Musselman High School Additions & Renovations
  Martinsburg North Middle School Additions & Renovations
  A New Gerrardstown Middle School
  Jefferson Elementary School Additions & Renovations
  A New Blue Ridge Primary School
  Winfield Elementary School Additions & Renovations
  A New Buffalo High School
  A New Confidence Elementary School
  Greenbrier West High School Additions & Renovations
  A New Lewisburg Elementary School
  A New Rainelle Elementary School
  Eastern Greenbrier Junior High School Additions & Renovations
  Mason Dixon Elementary School Additions & Renovations
  Poca High School Additions & Renovations
  A New Winfield Middle School
  A New Poca Elementary / Middle School

Education
B.S. Landscape Architecture
West Virginia University

Work Experience
2000 – Present
TERRADON Corporation

1992-2000
Chapman Technical Group

Registration

Affiliations
American Society of Landscape Architects

West Virginia Chapter of American Society of Landscape Architects

A New Mingo Central High School & Athletic Complex
A New University High School & Athletic Complex
A New Mountain View Elementary School
A New Mountain Ridge Intermediate School
Morgantown High School Additions & Renovations
A New Pikeview Middle School
Moorefield High School Additions & Renovations
Burch PreK-8 School Additions & Renovations
A New Leading Creek Elementary School
John Marshall High School Additions & Renovations
A New Gilmer County Elementary School
A New Suncrest Elementary School
East Hardy High School Additions & Renovations
A New Arnoldsburg Elementary School
Berkeley Springs High School Additions & Renovations
A New South Preston Pk-8 School
Fort Gay K-8 School
Dingess Elementary School
A New Leading Creek Elementary School
Jefferson County Bus Maintenance Facilities
Chapmanville High School Field Turf Football Field
Logan High School Field Turf Football Field
Man High School Field Turf Football Field

- **Numerous Industrial, Commercial, Parks and Recreation Facilities**
  Analabs Office Building
  A New Towne Place Suites Hotel
  A New Hampton Inn Hotel
  A New Fairfield Inn & Suites Hotel
  Greater Huntington Park and Recreation District
  Grand Vue Park High Adventure Park & Treehouse Cabins
  Beckley YMCA Field Turf Soccer Field

TERRADON CORPORATION

Jim Nagy, PE
Senior Engineer

As a Senior Engineer at TERRADON, Jim Nagy's primary focus is on designing civil engineering projects for public and private development projects throughout West Virginia. Nagy specializes in the design of water distribution systems as well as sewage collection systems. Nagy offers decades of hands-on experience and has previously provided design engineering services for schools, commercial developments, residential developments, public utilities and more. He earned a B.S. in Civil Engineering from West Virginia University and is a Professional Engineer in the State of West Virginia.

Relevant Project Experience

- **SPCC Planning** - updated SPCCs for All Crane & Equipment Rental and Spirit Services, Inc.
- **School Projects** - Responsible for layout, design, and permitting of water and sewer lines for numerous school projects in WV. Projects entailed coordination with PSDs, municipal water and sewer departments, State and Federal regulatory agencies for design of facilities. Schools include: Blue Ridge Community and Technical College, Blue Ridge K-12, Burnsville Elementary, Flatwoods Elementary, Davis Elementary, Sutton Elementary, Little Birch Elementary, Frametown Elementary, Buffalo High School, Clay-Battelle High School, Confidence Elementary, Jefferson Elementary, East Hardy High School, Eastwood Elementary, Flinn Elementary, Geary Elementary, Gilbert High School, Greenbrier West high School, Hampshire High School, Harpers Ferry High School and 19 additional schools.
- **Commercial Developments** - Responsible for layout, design, and permitting of water and sewer lines for numerous commercial developments in WV. Projects entailed coordination with PSDs, municipal water and sewer departments, State and Federal regulatory agencies for design of facilities. Developments include: Fairmont Federal Credit Union, Allegheny Energy Union (Fairmont), First Ward (Clendenin) Apartments, Milton Crossing, Tri-State Hotel and multiple convenience store sites throughout WV.
- **Charleston Replacement Housing** - Utility design, primarily water, sewer and stormwater, and coordination of overall site activities with the project developer for multi-unit housing development. Each phase entailed the design and layout of several hundred feet of water, sewer and stormwater line, including multiple connections with the utility providers, i.e., the Charleston Sanitary Board and West Virginia American Water, and applicable permit applications. Also responsible for construction monitoring and provision of as-built drawings as required by the respective utility providers.
- **Cathcart – Devonshire Development, Scott Depot, WV** - Designed sanitary sewer and water distribution system to serve more than 900 housing units in this private development.
- **Washington Woods Subdivision, Ravenswood, WV** - Designed more than 9,000 feet of water and sewer line and a 500 gpm fire pump water booster station to serve a 150 lot subdivision.
- **Sawmill Village, Snowshoe, WV** - Designed approximately 2,800 feet of 8" water line and sanitary facilities to serve the Sawmill Village development project in Snowshoe, WV.

Education
B.S. Civil Engineering
West Virginia University

Work Experience
TERRADON Corporation
2007-Present

WV American Water
1991-2007

AWW SC
1984-1991

WV DNR
1982-1984

VTN, Inc. Consulting Engineers
1978-1982

J.H. Milam Consulting Engineers
1977-1978

WV DNR
1976-1977

WV Department of Highways
1975-1976

Registration
Professional Engineer: WV

- **Cabell County Water Main Extension Project** - Worked on design and layout of approximately 46,000 feet of water main for the Salt Rock PSD/WVAW. Responsible for bidding, contract award, and project management.
- **Putnam County Water Main Extensions** - Worked on design and layout of approximately 63,000 feet of water main and a booster pumping station for the Putnam County Commission/WVAW. Responsible for bidding, contract award, and project management.
- **Manila Ridge Water Main Extension Project** - Worked on design and layout of approximately 38,000 feet of water main for the Putnam County Commission/WVAW. Project has not received funding yet. However, will be responsible for bidding, contract award, and project management.

Robert Thaw, PS
VP - Survey and Mapping

With more than 30 years of experience in a wide range of surveying projects, Robert Thaw serves as head of TERRADON's Survey and Mapping department. He organizes and supervises survey crews, reviews project plans, and creates base mapping for various projects including noise barriers, interchanges, connectors, bypasses, sidewalks, bike paths, and bridges. Thaw oversees all TERRADON survey activities, including: preparation of Right-Of-Way plans; the development of GPS static networks for aerial mapping in the design of roadways; identification of existing utilities and property lines; base image development and control placement for construction projects; and drafting of legal descriptions for ROW parcels.

Thaw has been directly responsible for survey and mapping services, including Right-Of-Way, on a number of notable transportation projects including:

- **Laurel Fork Campground Bridge**
  TERRADON provided surveying and design engineering on a USDA Forest Service project in Randolph County, West Virginia. Surveyors led by Thaw provided Right-Of-Way services, including courthouse research, construction easements, and location of alignments. Additionally, provided topographic mapping, project control for construction, hydraulic cross sections, and stream profiles.
- **Sedalia Arch Bridge**
  Thaw oversaw survey services for the replacement of an existing concrete arch bridge with a 72' single span bridge. The bridge consisted of adjacent concrete prestressed box beams with a cast-in-place concrete deck. Survey services consisted of a topographic survey, ROW plans, construction control, and legal description creation. Roadway design consisted of new bridge approaches and a designed detour. Drainage, maintenance of traffic, and right-of-way plans were included in the scope of work.
- **Sleeth's Run Bridge**
  Thaw provided Right-Of-Way services during the design for the replacement of an existing truss bridge in Lewis County, WV. The project included the design of a new 200' structure and approaches. Survey services consisted of a topographic survey, ROW plans, construction control, and legal description creation.
- **Grade Road**
  Thaw oversaw Right-Of-Way services for the new construction of two lanes adjacent to an existing two-lane roadway. Right-Of-Way services included Right-Of-Way Plans, legal descriptions, and questionnaires for take parcels.
- **St. Mary's Bypass**
  Working for the WVDOT, Thaw led transportation survey services for the relocation of WV 16 in Pleasants County, from Pleasants County Route 18 to WV 2 in Saint Mary's, West Virginia for approximately two miles of highway. The project included topographic mapping, survey control mapping, right-of-way and utility cost estimates, and inventories.

Education
A.S., Survey Technology, 1981,
West Virginia University Institute of Technology

B.S., Surveying, 1985,
West Virginia University Institute of Technology

Work Experience
TERRADON Corporation
1994-Present

Bowman Land Surveying
1992-1994

Dunn Engineers
1990-1992

Kelley Gidley Blair and Wolf
1988-1990

Pierson & Whitman
Architects and Engineers
1984-1986

Registrations
Professional Surveyor,
West Virginia

TERRADON CORPORATION

Shawn Gray, ASLA
Site Designer and Land Planner

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

Relevant Project Experience

- **Greater Greenbrier Sports Complex Master Plan**
  Currently providing 5-Phased, Master Planning and Grading Design Services for the Greater Greenbrier Sports Complex located north of Lewisburg, WV.
- **Valley Park Master Planning & Expansion**
  Served as a Site Designer for the expanding Valley Park in Hurricane, WV. The project included planning for athletic fields, multiple parking lots, access roads and greenspace, but also incorporated a walking trail that ties into existing park trails. The plan was produced in coordination with the WVDOT to determine roadway/walkway ingress/egress and designed in accordance with local, state and federal regulations.
- **Volcano Island Master Planning**
  Provided land planning and design engineering, utility location and mapping services for the properties. The master planning provided vision for Volcano Island Water Park, allowing the City of Fairmont efficient and value-based use of the former environmentally concerned site.
- **Scott-Teays, Sheetz**
  Provided site design services for Sheetz Service Centers at Scott Depot and Green Acres, WV. The projects consisted of site layout and design, utility design, hardscapes and landscape architecture.
- **Pioneer Federal Credit Union**
  Provided site design services for Pioneer Federal Credit Union in Hurricane, WV.
- **The Bechtel Summit National Scouting Reserve**
  Provided Initial Site Selection/Conceptual modeling designs, site planning/grading and Erosion and Sediment Control services for the 12,000+ acre site in Fayette County, WV.
- **Palatine Park Master Planning**
  Provided master Planning Services for the City of Fairmont for the redevelopment of Palatine Park on the east side of the Monongahela River adjacent to downtown Fairmont, WV. The Master Plan featured new parking areas, walking trails, a vista overlook, a picnic gazebo and retail space.
- **Westmoreland Trail System Master Planning**
  Provided site design services for a trail connector designed on the top of an earthen flood levy to move through urban areas.
- **Harveytown Park & Connector Master Planning**
  Provided 3-Phase Master Planning for a heavily used section of trail.
- **Southridge Center Master Site Planning**
  Provided master planning and site civil engineering for several areas of Southridge Center in South Charleston, WV.

Education
B.S. Landscape Architecture
West Virginia University

Work Experience
TERRADON Corporation
2005-Present

Organizations
American Society of Landscape Architects

CERTIFICATIONAND SIGNATURE PAGE

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.

SILLING ARCHITECTS
(Company)

(Authorized Signature) PRESIDENT (Representative Name, Title)

304.346.0565 304.346.1522 5/26/16
(Phone Number) (Fax Number) (Date)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:

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

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

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

- [x] Addendum No. 1
- [ ] Addendum No. 2
- [ ] Addendum No. 3
- [ ] Addendum No. 4
- [ ] Addendum No. 5
- [ ] Addendum No. 6
- [ ] Addendum No. 7
- [ ] Addendum No. 8
- [ ] Addendum No. 9
- [ ] Addendum No. 10

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

SILLING ARCHITECTS
Company

Authorized Signature

5/26/16
Date

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

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 exceed 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: SILLING ARCHITECTS

Authorized Signature: _____ Date: 5/26/16

State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 26 day of May, 2016.

My Commission expires January 11, 2021.

AFFIX SEAL HERE

NOTARY PUBLIC Leah G. Frazier

OFFICIAL SEAL
NOTARY PUBLIC
STATE OF WEST VIRGINIA
Leah G. Frazier
405 Capitol Street
Upper Atrium
Charleston, WV 25301
My Commission Expires January 11, 2021