

**SILLING ASSOCIATES | ARCHITECTS**

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WV PURCHASING  
DIVISION



**EXPRESSION OF INTEREST**

Office Building—Gus R. Douglass Agriculture Center  
Gus R. Douglass Lane, Charleston, WV  
Requisition # AGR1013

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**SILLING**

ASSOCIATES • ARCHITECTS

405 Capitol Street, Upper Atrium  
Charleston, WV 25301-1727  
p 304.346.0565 f 304.346.1522  
email: info@silling.com

February 23, 2010

Department of Administration  
Purchasing Division  
2019 Washington Street, East  
P.O. Box 50130  
Charleston, WV 25305-0130

**Re: Expression of Interest, RFQ#AGR1013**

Dear Selection Committee Members,

Silling Associates, Inc. is pleased to submit an Expression of Interest to provide complete architectural/engineering design and construction administration services for a new office building at the Gus R. Douglass Agriculture Center. We offer highly professional and experienced designers whose diverse past portfolio represents projects that rank among the highest quality in the state of West Virginia.

Since 1902, our firm has designed a number of noteworthy buildings for the state of West Virginia and we have always prided ourselves on being a servant of state government. Our current work includes ongoing design services for the West Virginia Lottery Headquarters, the West Virginia Supreme Court, and many projects for the West Virginia Division of Corrections. Each of these agencies presented critical facility needs unique to their own operations, which required a design team that could listen, design, and deliver. Our ability to effectively and creatively integrate those needs into the architectural design process has been proven time and time again, resulting in first-class facilities and unparalleled service to the State of West Virginia.

As you begin to consider the appropriate team of design professionals for this project, we hope that you would consider Silling as a resource and potential partner in your efforts. Silling Associates offers a proven record working with the State of West Virginia, exceptional leadership and design expertise, valuable relationships with some of the region's most qualified general contractors and builders, and a strong record of client service. While we are very proud of the architectural solutions we have sought in partnership with our clients, we are most proud of the level of service we have provided and, more importantly, humbled by the level of trust we have earned from the people we serve. We believe you will see and hear from our references that we are committed to client service and work very hard to exceed every expectation of our projects, and that we are called on repeatedly by the people for which we work.

We have assembled this Expression of Interest that highlights our history, services, project experience, and professional resumes for your review. Our hope is that you will see a very strong team of designers, led by firm principals, and a company that has a legacy in West Virginia. You

will see that our team has an incredibly broad range of experiences and has earned a reputation as problem solvers with a unique combination of research skills and creative thinking required to develop something meaningful yet cost effective. Working within the West Virginia marketplace, we are accustomed to maintaining strict design schedules and budgets and are routinely charged with doing more for less.

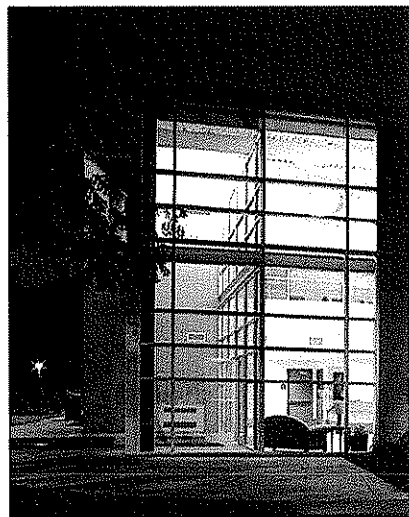
We look forward to an interview and opportunity to discuss in further detail our experience and specific approach to this very exciting project.

Sincerely,

**SILLING ASSOCIATES, INC.**

A handwritten signature in black ink, appearing to read "Thomas M. Potts". The signature is written in a cursive, flowing style with a large initial "T" and "P".

Thomas M. Potts, AIA  
President

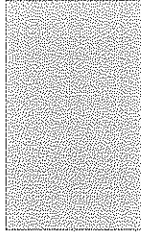
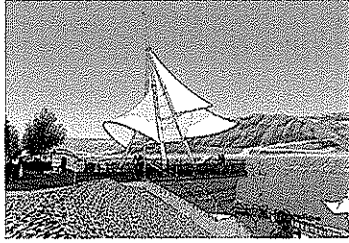


## About SILLING ASSOCIATES

Architectural success is measured by vision and an unwavering dedication to excellence. This axiom was the philosophical birth of Silling Associates Incorporated 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. Throughout, Silling Associates has woven itself into the very fabric of West Virginia, providing planning and architectural services that have touched the lives of virtually every citizen and delivering landmark projects collectively defining its built environment.

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 Associates continues to have a powerful impact on the region's architectural landscape through fresh, yet solid design and responsible project management.





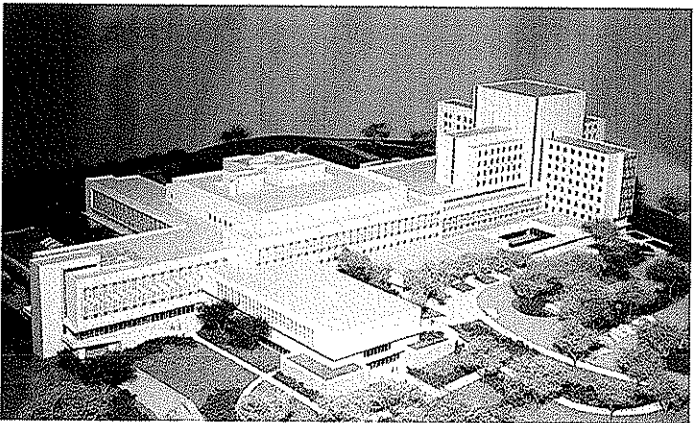
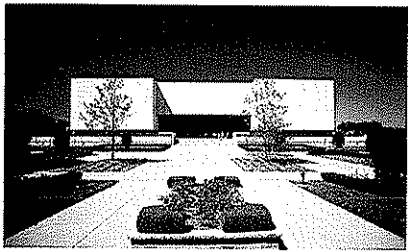
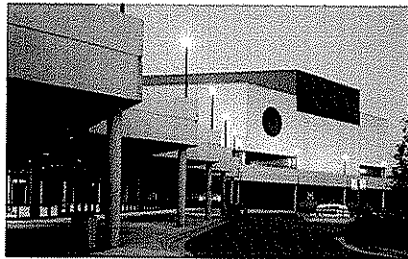
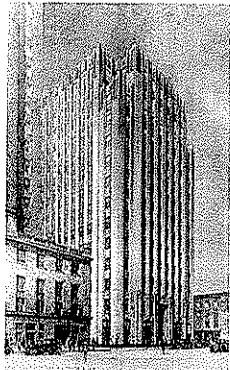
## DESIGN Philosophy

At Silling, design drives everything that we do in architecture, planning and interiors. We believe that design fulfills and propels each client's goals and aspirations; that design articulates spaces to new levels of effectiveness; that design engages, inspires and fulfills; and that design elevates the human experience.

We begin each project by listening to our client. We listen to understand a client's vision, goals and objectives. We believe the concept of design in architecture applies not only to sketches, plans, specifications, and the building process, but to every aspect of the project. We design each project in a synthesis of everything that we heard from a client, and of our own professional design expertise—working collaboratively and uniting all professional disciplines in the process to create truly integrated design solutions. We deliver each project with responsive service and technical excellence to the complete satisfaction of our client, which is the ultimate measure of our success. This is why you can depend on Silling to walk you through every phase of the process.

From our firm's inception over 100 years ago, Silling has remained committed to four essential principles: listening to the needs of our clients, understanding the challenges they face, solving their problems, and producing high quality results. These guiding principles are contributing factors to the foundation and success of every project Silling undertakes. We are dedicated to providing outstanding analysis, planning, design, and construction for every one of our projects.





## Notable Projects

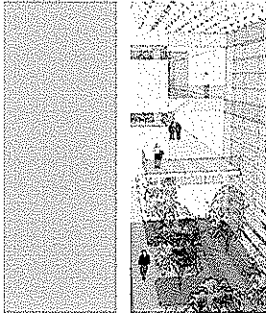
- Charleston City Hall
- Charleston Civic Center Coliseum
- Charleston Federal Building
- City Center East
- Huttonville Correctional Center
- Imperial Towers
- Kanawha County Courthouse
- National Bank of Commerce Office Tower
- Stonewall Jackson High School
- West Virginia Science & Cultural Center
- West Virginia University Coliseum
- West Virginia University Mountainlair
- West Virginia University Medical Center

## Firm Timeline

- 1902.....H. Rus Warne
- 1921.....Warne, Tucker, & Patteson
- 1928.....Warne, Tucker, Silling, & Hutchinson
- 1936.....Tucker & Silling
- 1950.....C.E. Silling & Associates
- 1977.....Silling Associates Incorporated
- Present

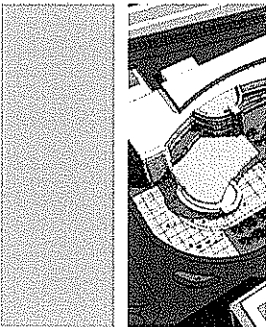


## Our Services



### INTRODUCTION

Today's dynamic marketplace demands versatility of the design professional. Silling Associates 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.

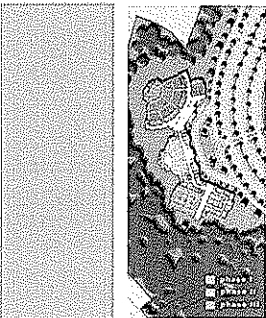


### FEASIBILITY STUDIES

When an owner is exploring the possibility of, or is seeking justification for, a given project they turn to an architect to provide this service. Over the years, Silling has been called upon to assist numerous clients in making decisions relative to the development of a project.

Our first assignment involves the assimilation of information regarding a client's wants and needs and the general scope of the project being considered. It is from this data that we glean important facts that constitute the basis of our study.

An outline is prepared; ideas and concepts which we deem workable are considered and developed; and associated costs are computed. The result is a finished product which allows the owner to effectively weigh the pros and cons of a proposed project and make an educated judgment as to its feasibility.



### MASTER PLANNING

Silling Associates is well-respected throughout the industry for its insightful, viable planning services. Over our storied history, Silling has prepared Master Plans for the State Capitol Complex, various institutions for higher education, regional medical centers, courthouse campuses, worship centers, as well as corporate offices, to name a few.

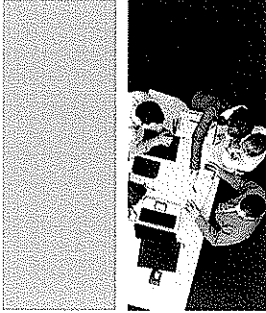
Our Master Plans feature a thoughtful blend of functionality and aesthetics—cost-conscious solutions which fit a client's expressed criteria. The process begins with an overview of the site—defining its parameters; determining site conditions both above and below ground; and assessing existing structures. Taking these factors into consideration, our design experts go to work committing their vision to a three-dimensional computer-generated image of the project. It is this methodology which allows the client an opportunity to "visit" the site and take a virtual tour of the project.

Silling's successful ongoing relationships with our clients serve as testament to our success in assisting them in developing successful strategies and accurate assessments of their existing facilities to both determine their current needs and define their future goals.





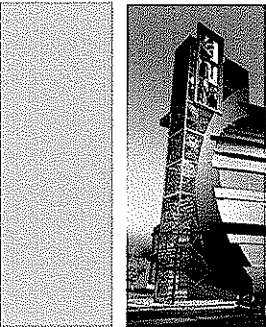
## Our Services



### PROGRAMMING

Exploration of the building concept is but a single element in the steps of the design process. Silling Associates utilizes a proven Design Approach Method that permits a high degree of interaction from the facility's end-users at every level of design.

During programmatic workshops, we begin with documentation, which indicates general building considerations, proposed building sites, and lists each required space with its relative required square footage. We analyze proposed sites and make appropriate recommendations. We seek to identify the broader issues of circulation, function, building image, and project budget. The programmatic requirements are the point of departure for the generation of both a two- and three-dimensional design solution. The internal circulation structure becomes the organizing element—the backbone for the alignment of space. Departments are grouped. Commonality and order are sought with the structural and mechanical systems in mind. The arrangement of components with respect to security, public arrival, departmental flow, relationship to natural light, and code-required egress are all explored. The relationship to the site is considered, orientation to the sun, to views, parking, and other site amenities are incorporated. Silling utilizes sophisticated three dimensional computer modeling as a vehicle to realistically study the variety of options that arise. This modeling tool provides the client a real ability to visualize and make sound design choices.



### SCHEMATIC DESIGN

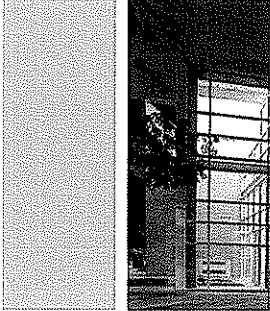
For over a century, Silling has delivered exceptional architectural services to an immensely diverse clientele. The commonality of our work is not depicted in any particular architectural style or design vocabulary. Rather, our work is about a great appreciation of people – those people that entrust 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.

Through a proven Design Approach methodology, we begin the design's development with further analysis of the proposed site. We routinely explore iterations of the preferred concept to perfect the space planning, site planning and ideas for exterior expression. Development of building floor plans result in a depiction of the arrangement of all of the functional components, the illustration of the building circulation, and the detail indicating the size and relationship of all spaces. The process then includes the development of the site plan to include pedestrian and vehicular site circulation, topography, site features and utilities. Three-dimensional models and video animation are typically developed to best convey the building and its features in site context.

The Schematic Design phase is a process of design proposal, review with the client, and the consideration of design alternatives to achieve the highest degree of functionality and expression while developing consensus.



## Our Services



### DESIGN DEVELOPMENT

The Design Development phase is focused on the selection of building materials and systems and continues to involve uncovering the needs of the end-user(s). Design reviews are held generally on a biweekly basis with the appropriate groups and input into the design is documented. The architectural and engineering team pay particular attention to the quality of the design, its documentation, and agreement with the original goals detailed in the workshop process. Selections are tested against the overall project budget. Value engineering and choices are made, if necessary, to align project scope against costs. Code officials are included in the design process to build consensus and eliminate future potential surprises, and a formal quality control group begins their evaluation of generated documents. Drawings and specifications are reviewed for agreement with recognized standards of detailing and documentation. Specifications are evaluated for alignment with drawings and their ability to generate competitive bids



### INTERIOR DESIGN

Over the years, Silling Associates has accumulated a substantial portfolio of projects for a wide variety of building types, sizes, and complexities. The firm has a particular strength in defining client needs for interiors planning, function, feasibility, and image -- both in new construction and renovation projects.

We offer a comprehensive list of interior design services including:

- Space Planning - Furniture & Accessories Design
- Conceptual Design - Furniture Specifications
- Strategic Consulting - Purchasing Coordination
- Adaptive Reuse - Budget Planning

Our clients routinely call on us to create interior environments that will enhance the performance of their products, services, staff, and visitors. Our talented interior designers have an ability to provide numerous design solutions and alternatives for virtually every project type and budget.



### SUSTAINABILITY & LEED CERTIFICATION

The environments where our clients live, work, and play impacts discovery and changes lives. At Silling, this is a responsibility that we take very seriously. Good design and sustainability should work together to result in increased building efficiency, improves users' health and productivity, conserves the Earth's resources, and reduces operational and maintenance costs. A building should wear its sustainability not only as a demonstration serving to inspire those who interact with the facility, but also as a model of achievement for the community. Our approach to creating sustainable buildings begins with the following core design principles: optimal use of the site, use of non-renewable energy consumption, use of environmentally preferable products, conservation of water, enhancement of indoor air quality, and optimization of operational and maintenance practices.



## Our Services

Our team of LEED-accredited design professionals provide leadership in defining sustainable planning initiatives for each project, implementing sustainable strategies, and working through the LEED Certification process. As a member of the United States Green Building Council (USGBC), we are committed to creating environmentally and economically effective buildings for our clients and communities.

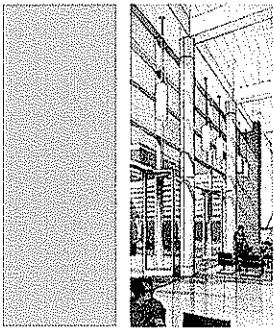


### CONSTRUCTION PERIOD MANAGEMENT

Pre-construction meetings are facilitated by the design team and a clear definition of project goals and owner's expectations are verbalized. Submittals, product samples, and shop drawings are thoroughly reviewed for conformance to the contract drawings and specifications. Throughout construction, designer and owner's representatives attend weekly or biweekly progress meetings to maintain clear communication with builders and continually monitor the project schedule.

In addition, architects and engineers periodically visit the construction site to observe installation of materials and systems and to verify their conformance with the design intent. Contractor's pay applications are reviewed and approved by the designers to ensure a fair disbursement of the total construction cost.

We conduct final inspections upon substantial completion and routinely assist in the occupancy of the facility by the owner.



### PROJECT DELIVERY

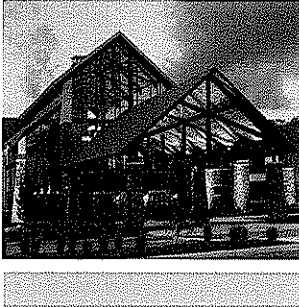
Many clients today are faced with the difficult decision of how to develop their project. A major capital building program involves important decisions regarding the method by which the projects will be designed and constructed - the project delivery method. This decision has become more complex as a variety of alternative delivery methods have been developed in addition to traditional design-bid-build process. Methods that have gained in popularity include fast-track construction, multiple prime contracting, and design-build. Though each of these delivery methods offers its share of positive attributes to project developers, there are inherent "risks" and potential shortfalls as well. Issues such as competitive pricing versus guaranteed maximum pricing, project schedule, single/multiple source responsibility, change orders, owner liability, and quality control must all be considered prior to choosing the RIGHT delivery method for you.

In addition to our long and successful record of managing design-bid-build projects, Silling Associates has considerable experience in successfully delivering a diverse mix of building projects, large and small, in some of the newest, most collaborative construction delivery models in the marketplace in concert with many of the region's leading general contractors and design builders.

We encourage you to call on the experienced leaders at Silling to "walk" you through the project delivery evaluation process and help you make the RIGHT decision for your project.



## Project Approach & Quality Control



Silling approaches each project by assigning a project principal, who personally monitors all aspects of the project. In many cases, including the more complex and demanding projects, this same principal will be responsible for the day to day management tasks. The firm is extremely careful not to exceed its workload capabilities in order to assure the "hands on" organization desired by the principals, as well as to maintain the ability to meet client schedules.



In addition to the project principal, each project is assigned a project manager, project architects, production personnel, and additional support staff in accordance with scope requirements. In-house reviews are regularly conducted to assure that all schedules and milestone dates are met. All programming, design development, and contract documents are thoroughly re-examined as a basic procedure of the firm's quality assurance/quality control program.



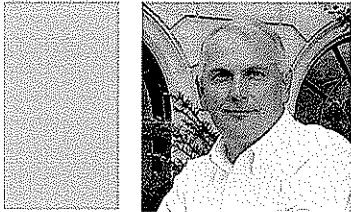
Specialized resources and capabilities of the firm include an in-house construction period service management division. This resource allows the firm to offer its clientele a variety of project approaches, including conventional design/bid/build, negotiated contract, and design/build delivery methods.



Silling Associates is diligent in its effort and commitment to provide its clients with design solutions that are functional and aesthetically enlightening while remaining within the limitations of project budgets. Silling utilizes a multi-step approach to managing the design response to meet project budgetary requirements. This approach includes several steps: assessment of the owner/user program requirements relative to the budget, evaluation of building code and other regulatory concerns, estimation of budget impact due to unforeseen conditions and circumstances based upon prior similar experience, and continuous value engineering during all design and construction document phases. Construction cost estimates are routinely developed utilizing in-house resources, collaboration with local construction experts, or through professional cost estimating consultants. If the construction estimate at any phase exceeds the project construction budget, the scope of work is evaluated and, if necessary, adjusted accordingly. Silling has a consistent history of meeting project budget requirements and providing the owner/user with the greatest value for their investment.

Likewise, the experienced senior staff at Silling control the design phase schedule through careful planning of design phase tasks. A design and construction documents schedule, similar to a contractor's critical path construction schedule, is created for every project. Project design, management, and delivery progress is monitored using a proven Project Review System that tracks the actual design schedule against the projected schedule so that course corrections, if needed, can be made effectively. Project Review results are shared with the client at regularly scheduled meetings. Silling values meticulous project management and careful construction documentation; this ensures that all documents, at every phase of the project, will be delivered on schedule.





Thomas M. Potts, AIA  
Principal

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#### PROFESSIONAL BIO

Tom is president of Silling Associates. A thirteen-year member of the firm, Tom has been a driving force in securing and implementing new work. He oversees projects from inception to completion, working closely with clients and contractors to insure the success of projects under his direction. He takes a "hands-on" approach to each and every project, working closely with clients to define and detail requirements for their facilities.

He has considerable experience in the design of justice facilities, including courthouses, judicial centers, and correctional institutions. With over 1 million square feet of justice-related designs under his belt, Tom has led the firm's efforts in making Silling a regional leader in the field of justice architecture.

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.

#### EDUCATION

Bachelor of Architecture with High Honors  
The University of Tennessee 1990

#### LICENSES & CERTIFICATIONS

Licensed to practice architecture West Virginia (1994) , Virginia (2001)

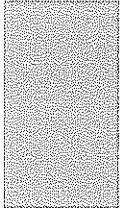
#### PROFESSIONAL AFFILIATIONS

West Virginia AIA, Ex-President & Executive Committee Member  
Academy for Justice Architecture, American Institute of Architects

#### AWARDS & RECOGNITION

2004 AIA WV Honor Award for Excellence in Architecture, Star USA Federal Credit Union





Jody S. Driggs, AIA  
Principal

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#### PROFESSIONAL BIO

Jody is a principal with Silling Associates with fourteen years' experience in the design practice. He has led the development of design concepts for a diverse mix of project types, size, and complexity. As a project architect, he is responsible for working closely with the owner to establish clear programmatic needs and design criteria, as well as to develop responsive schematic site plans, floor plans and elevations that blend the meaning and spirit of the owner's program with site and cultural forces.

His conceptual design talents, artistic ability, and versatility have been illustrated in such projects as the award-winning James C. Wilson Student Union, Bible Center Church, Chesapeake Energy's Eastern Regional Headquarters, Tri-State Racetrack and Gaming Center Hotel, and the West Virginia Lottery Headquarters.

Prior to joining Silling, Jody worked in the Urban Design Consultancy Studio in Chattanooga, Tennessee, under AIA Thomas Jefferson Award Winner J. Stroud Watson. Jody is a 1996 graduate of the University of Tennessee College of Architecture and Planning, a member of the American Institute of Architects, a member of the WVAIA Scholarship Committee, and 2010-2011 president for the WVAIA (2010-2011).

#### EDUCATION

Bachelor of Architecture  
The University of Tennessee 1996

#### LICENSES & CERTIFICATIONS

Licensed to practice architecture in WV, KY, OH, MD, PA

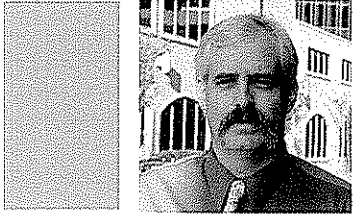
#### PROFESSIONAL AFFILIATIONS

Past Vice-President, WV Chapter, American Institute of Architects, 2008-2009  
President, WV Chapter, American Institute of Architects, 2010-2011

#### AWARDS & RECOGNITION

-2005 AIA WV Merit Award for Achievement in Architecture, James C. Wilson Student Union  
-2006 The State Journal "40 Under 40" Award Winner  
-2007 West Virginia Executive "Young Gun" Award-Winner  
-2008 AIA WV Honor Award for Excellence in Architecture, Chesapeake Energy Eastern Regional Headquarters





## Sean Simon, AIA

Construction Period Service Manager

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### PROFESSIONAL BIO

Sean has sixteen years' experience involving all phases of architectural programming, design, construction document production, and construction contract administration. From 1998 through 2007, he operated his own architectural practice providing comprehensive design and project management services for a variety of project types including banking, commercial, government, education, health care, religious, and residential.

Sean joined Silling in 2008 as a Construction Period Service Manager, working closely with the firm's production staff throughout the construction document phase and providing construction contract administration services. 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.

### EDUCATION

Bachelor of Architecture  
The University of Tennessee, 1992

### LICENSES & CERTIFICATIONS

Licensed to practice architecture in West Virginia, Maryland, Ohio, Virginia, and Pennsylvania.

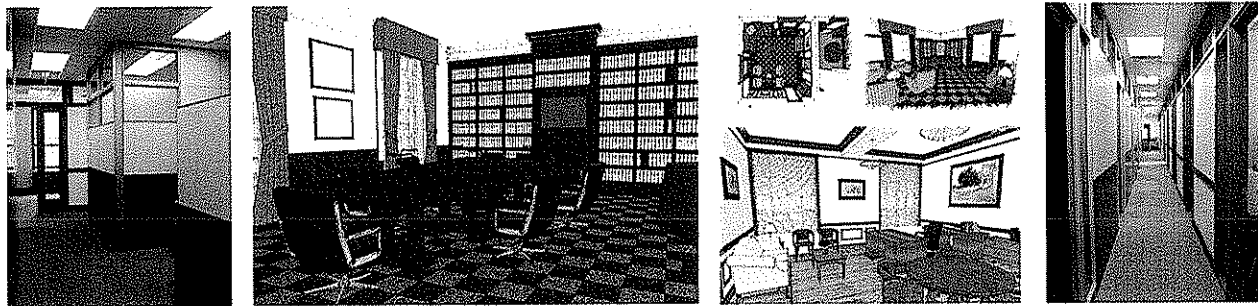
### PROFESSIONAL AFFILIATIONS

American Institute of Architects, West Virginia Chapter (AIAWV)

### CIVIC INVOLVEMENT

Cub Scoutmaster for Pack 434—Serves as Unit Commissioner for Little Kanawha District, Allohak Council  
Involved in Little Kanawha District Roundtable





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SIZE: 8,500 GSF

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TYPE: RENOVATIONS

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STATUS: COMPLETED IN 2010

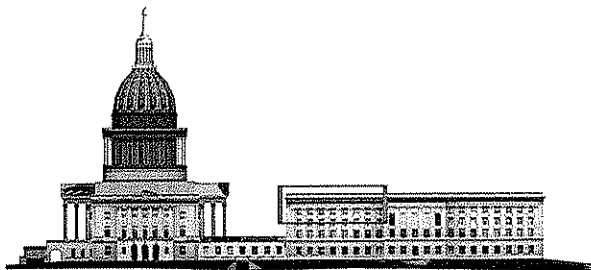
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CONTACT: STEVE CANTERBURY, ADMINISTRATIVE  
DIRECTOR, WV SUPREME COURT, 304.558.0145

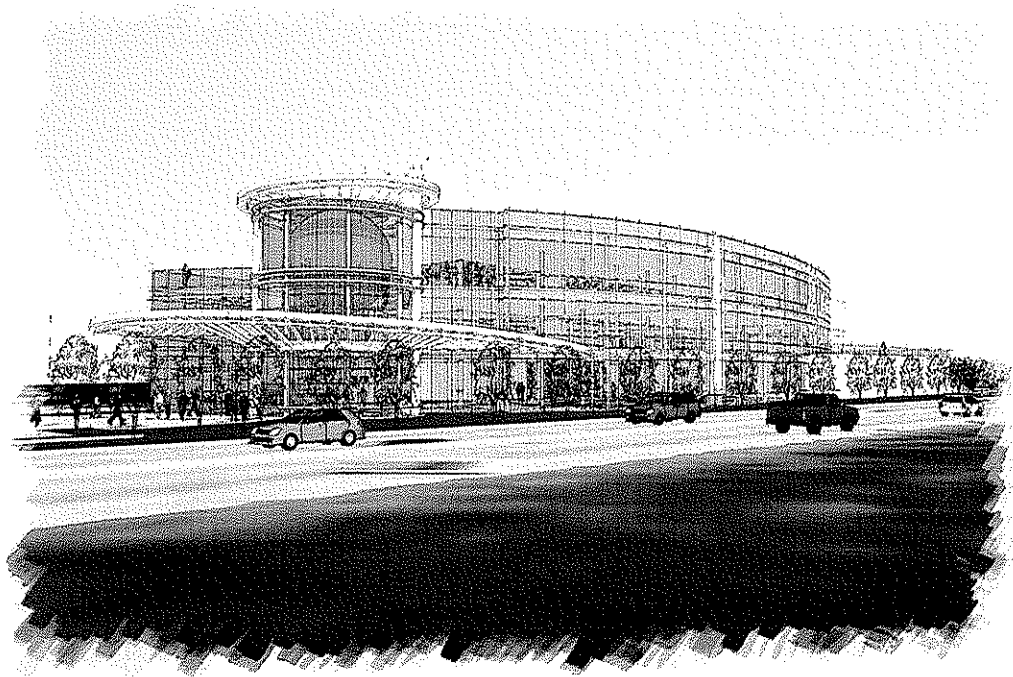
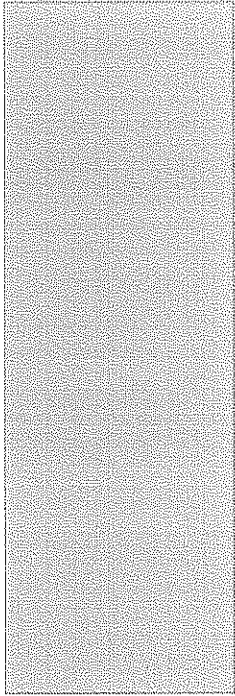
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## WV Supreme Court of Appeals East Wing of State Capitol Complex

This historic renovation project involves the phased renovation of the third and fourth floors of the East Wing of the West Virginia State Capitol Building. Primary components of this project included the historic restoration of the Justices' conference room, renovations to each of the Justice's private chambers, and a complete renovation and modernization of the 4th floor offices for legal assistants totaling 5,300 square feet. In addition, various mechanical, electrical, plumbing, and telecommunications upgrades were provided.





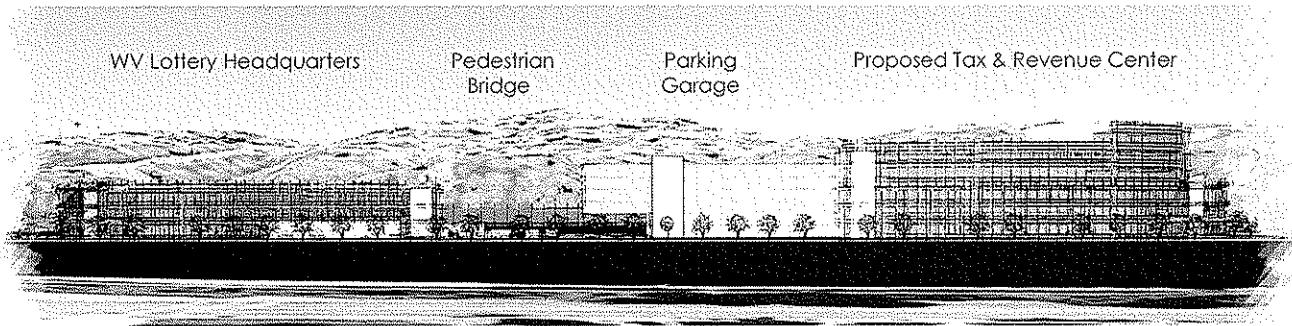


WV Lottery Headquarters

Pedestrian Bridge

Parking Garage

Proposed Tax & Revenue Center



SIZE: 120,000 GSF (PLUS FUTURE EXPANSION)

TYPE: NEW CONSTRUCTION

STATUS: CONCEPT DESIGN

CONTACT: JOHN MYERS, ASSISTANT DIRECTOR, WEST VIRGINIA LOTTERY, 304.558.0500

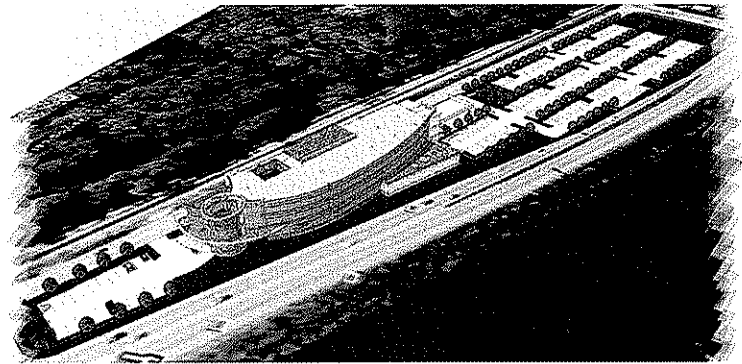
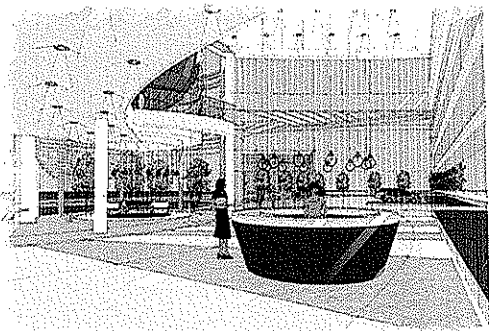
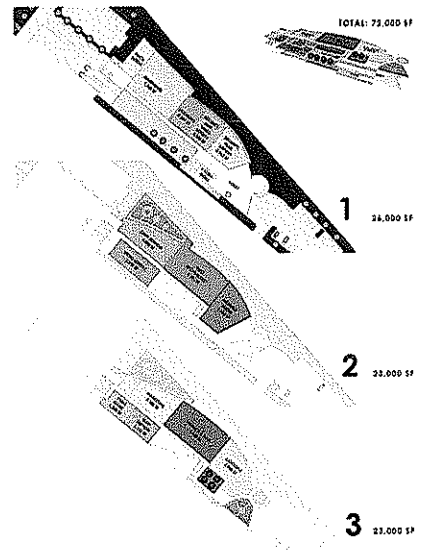
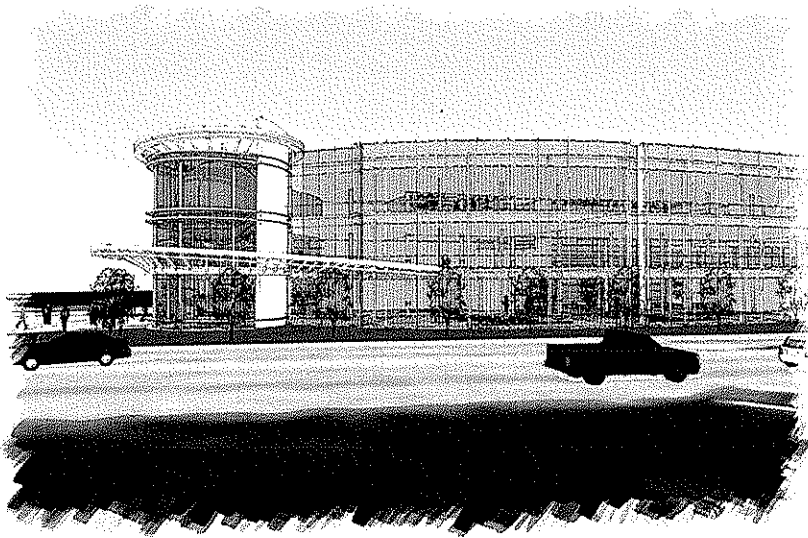
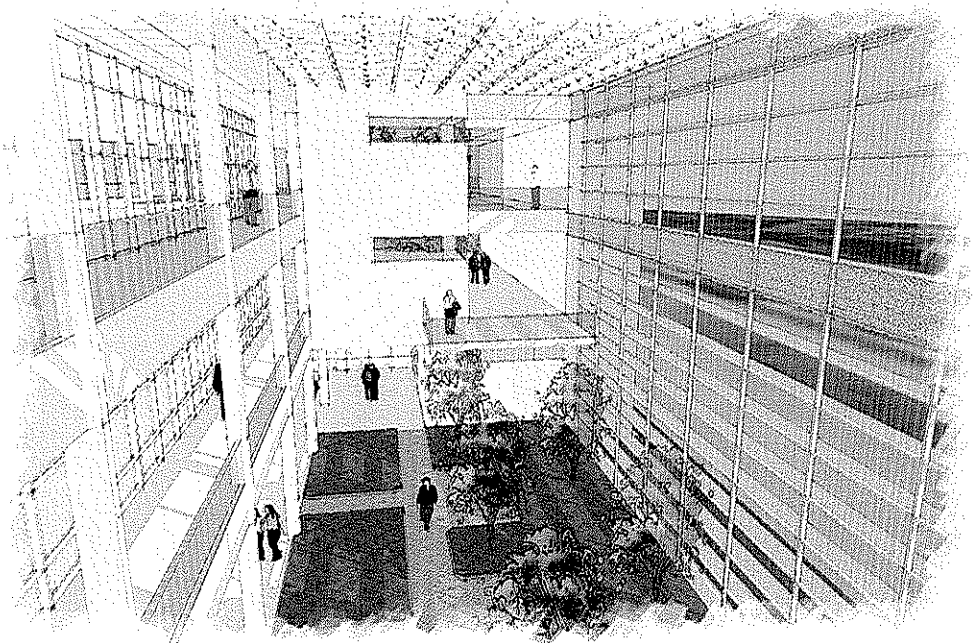
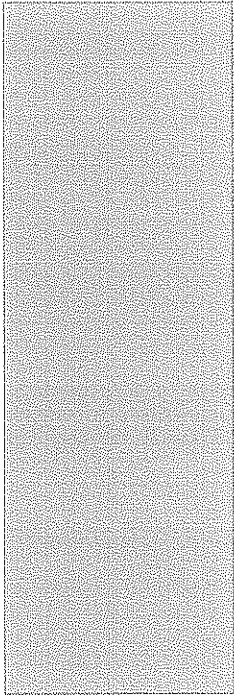
## West Virginia Lottery Headquarters Charleston, West Virginia

This new 120,000 GSF headquarters for the West Virginia Lottery is tentatively planned for location along the riverfront in downtown Charleston.

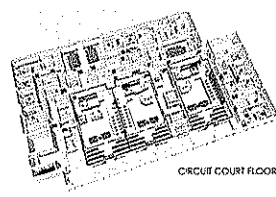
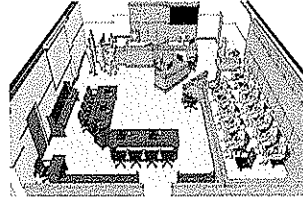
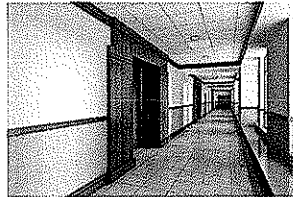
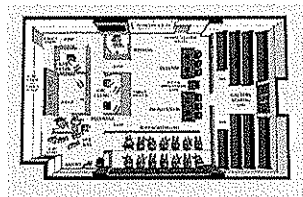
The dynamic design is expressive of the openness and fairness of state-run gaming and features highly modern imagery that is responsive to the technological network of retail gaming centers. Iconic its overall scale and detailing, this civic building will further enhance the Charleston riverfront and contribute to the urban fabric of downtown.

The new Lottery Headquarters will include a public hearing space, a welcoming interior atrium, rooftop greenspace, and executive, administrative, support, marketing, and warehouse components.





West Virginia Lottery Headquarters  
Charleston, West Virginia



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SIZE: 62,000 GSF

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TYPE: NEW CONSTRUCTION

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STATUS: FALL 2010 COMPLETION

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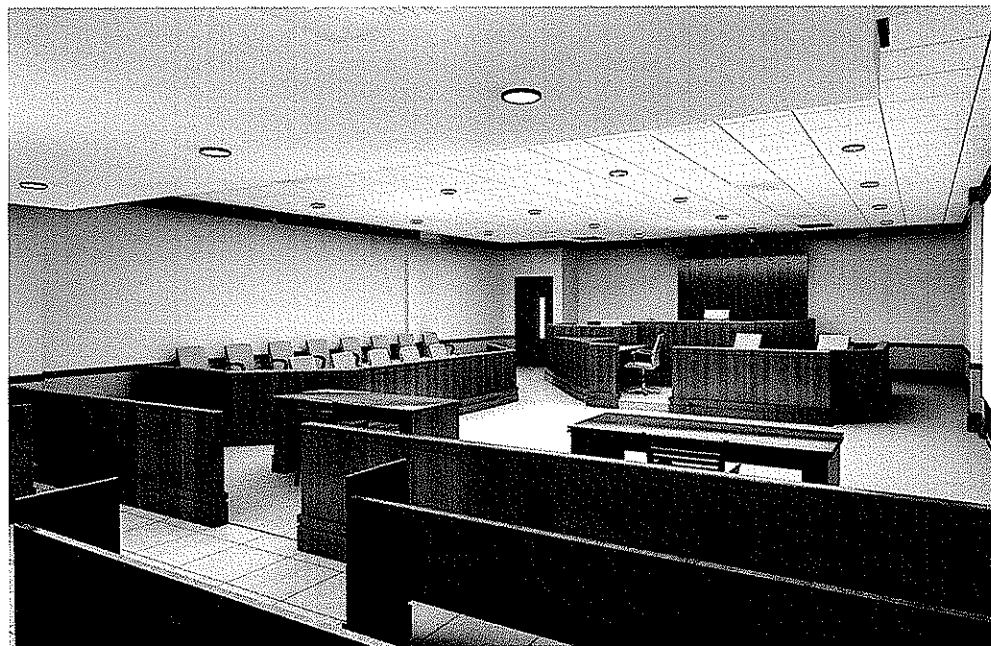
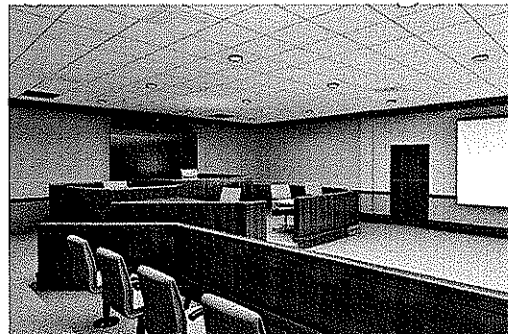
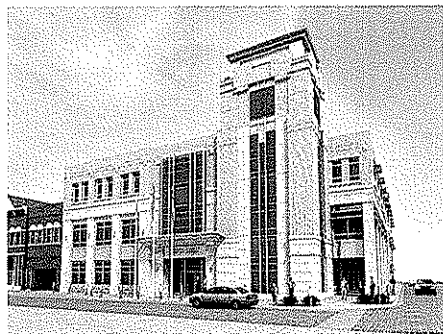
CONTACT: PAT REED, COMMISSIONER, RALEIGH COUNTY COMMISSION, 304.255.9146

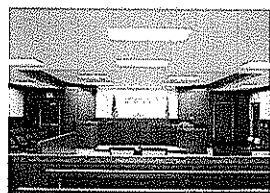
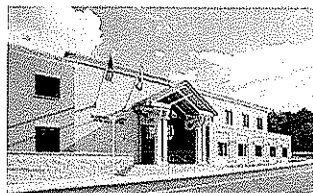
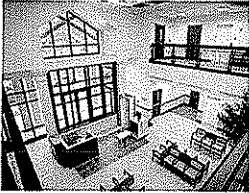
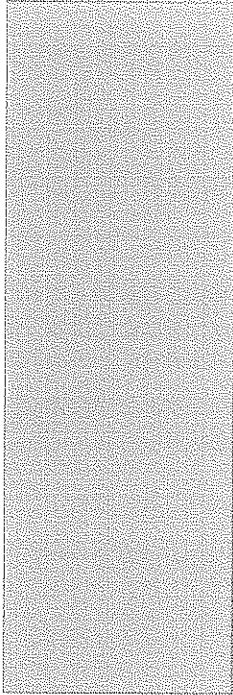
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## Raleigh County Judicial Center Beckley, West Virginia

The new 62,000 square foot Judicial Center is situated on a prominent corner just opposite of the existing County Courthouse and the new Robert C. Byrd Federal Courthouse. It features three state-of-the-art circuit courtrooms (plus a planned fourth courtroom), two magistrate courtrooms (plus a future third courtroom), and two family courtrooms. A secure vehicular sally port is accessed from the lower level located along north side of the building. A central holding component allows for detainees to be safely and securely transported into the facility, and then vertically via secure elevators with direct access to the courtrooms. Additionally, the courts are supported by the Circuit and Magistrate Clerks, as well as related county service, administrative, and records storage space.







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SIZE: 34,000 GSF

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TYPE: NEW CONSTRUCTION

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STATUS: COMPLETED IN 2008

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CONTACT: WALT DAVIS, HAMPSHIRE COUNTY BUILDING COMMISSIONER, 540.539.1909

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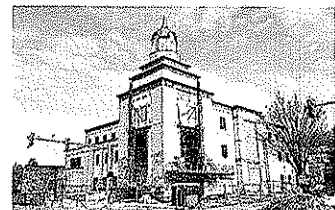
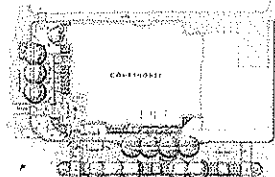
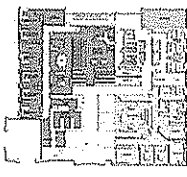
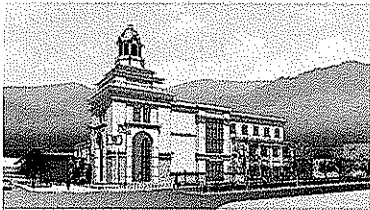
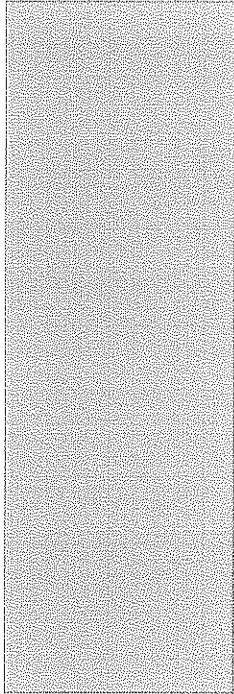
## Hampshire County Judicial Center

Romney, West Virginia

The new 34,000 square foot, two-story Judicial Center will include the County's circuit court and clerk, family court, magistrate court and clerk, probation office, and the prosecuting attorney. The design creates a modern and secure courts center that efficiently separates public, staff, and detainee circulation throughout the building.

The project involved a close collaboration with the County, the WV Supreme Court, the State Historic Preservation Office, the Building Commission, and the city of Romney. Architecturally, the building responds to both the historic character of downtown Romney and the historic Courthouse with its own blend of materials, scale, and detail.





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SIZE: 47,000 GSF

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TYPE: NEW CONSTRUCTION

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STATUS: SPRING 2010 COMPLETION

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CONTACT: THOMAS SWAIM, COMMISSIONER, MORGAN COUNTY COMMISSION, 304.258.8540

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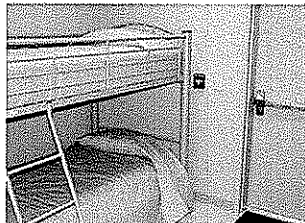
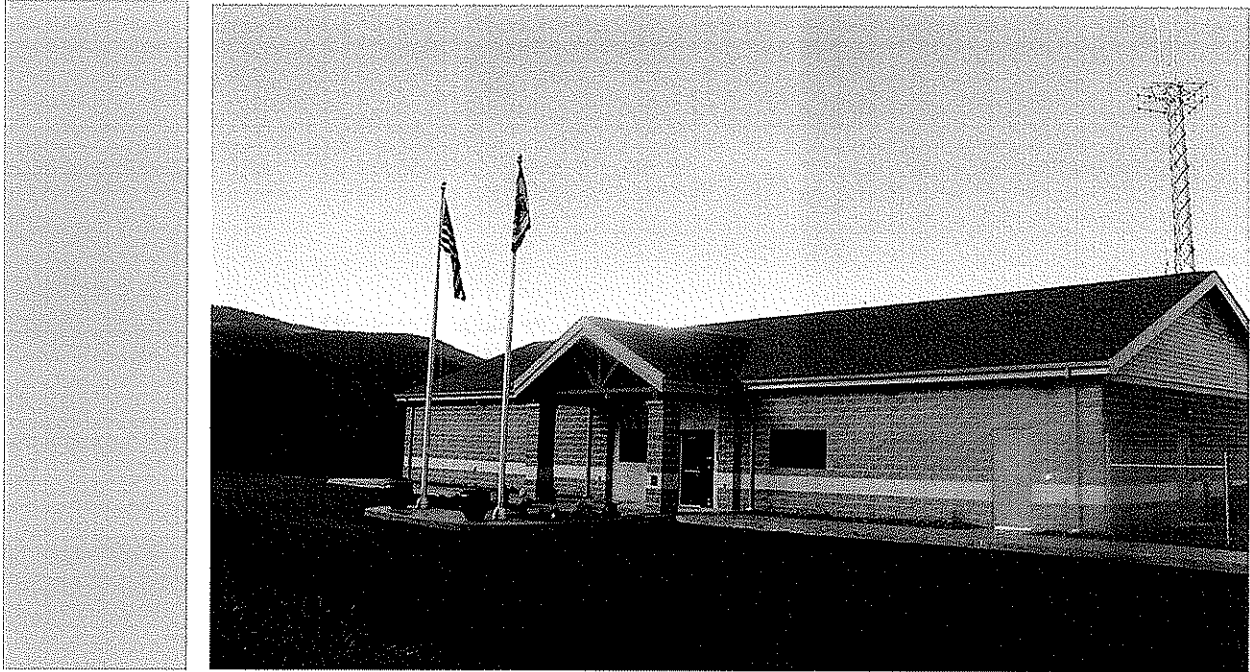
## Morgan County Courthouse

Berkeley Springs, West Virginia

August 8, 2006 marked the second time tragedy destroyed a Courthouse in Morgan County at the corner of Washington and Fairfax Streets in downtown Berkeley Springs. The new 47,000 square foot Courthouse will house all of the County's courts and administrative departments under one roof. A creative approach to the placement of security screening allows for convenient first floor access to the county administrative services, while providing appropriate queuing of court visitors as they make their way to the upper level court departments.

The architecture of the new courthouse, which required great sensitivity to the downtown fabric of downtown Berkeley Springs, recalls some of the more prominent features of the historic courthouse, including the cupola, exterior materials, and cornice detail.





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SIZE: 4,500 GSF

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TYPE: NEW CONSTRUCTION

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STATUS: 2008

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CONTACT: MIKE BLAND, COUNTY ADMINISTRATOR,  
MINERAL COUNTY COMMISSION, 304.788.5921

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## Mineral County 911 Center

Keyser, West Virginia

Silling Associates designed a new, 4,500 square foot 911 and Emergency Services Center for Mineral County, located in Keyser. The new facility features state-of-the-art emergency response and security technology and includes a Call Center, EOC Room, Training/Conference Room, maps and storage room, kitchen, bunk room, and administrative offices for the OEM Director and support staff.





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SIZE: 7,560 GSF

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TYPE: RENOVATIONS & PRESERVATION

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STATUS: 2002

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CONTACT: JIM RUBENSTEIN, COMMISSIONER, WV  
DIVISION OF CORRECTIONS, 304.558.2036

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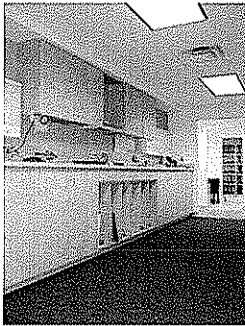
## Pruntytown Wardens Residence

Pruntytown, West Virginia

Designed for the WV Division of Corrections, the Pruntytown Warden's Residence project provided state-of-the-art office space within this 7,560 square foot, 1920s arts and crafts style former residence. Key components of the design included exterior upgrades and restoration, interior refinishing and improvements, ADA improvements, and complete mechanical, electrical, plumbing, and data & telecommunications upgrades. This project is a prime example of our design team's ability to provide all of the necessary amenities of 21st century office space while remaining sympathetic to the language of a historical residential structure.







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SIZE: 7,500 GSF

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TYPE: NEW CONSTRUCTION

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STATUS: COMPLETED IN 2005

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CONTACT: DR. DAVID SOULSBY, SOUTH CHARLESTON,  
304.766.7515

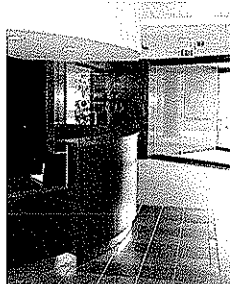
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## Orthoclinic Medical Office

South Charleston, West Virginia

Completed in 2005, this 7,500 square foot orthopedic medical office building was designed and constructed in partnership with design/build contractor Pray Construction, Inc. The facility includes a large, welcoming lobby/waiting area for incoming patients and visitors, orthopedic/medical exam rooms, high-density medical file storage, and administrative offices. In addition, the design includes tenant space that could eventually serve as an expansion opportunity for the owner in the future.





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SIZE: 56,000 GSF

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TYPE: RENOVATIONS & SPACE PLANNING

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STATUS: ONGOING

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CONTACT: KANDY NICOLOUDAKIS, SPILMAN THOMAS & BATTLE LAW OFFICE, FIRM ADMINISTRATOR, 304.340.3800

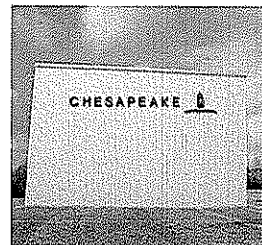
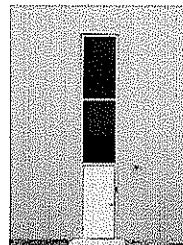
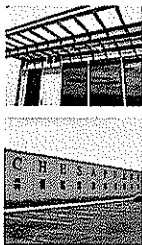
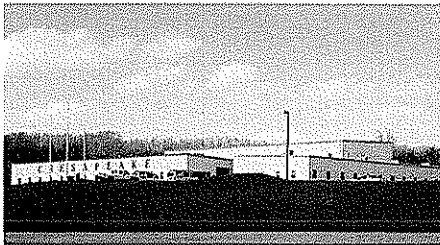
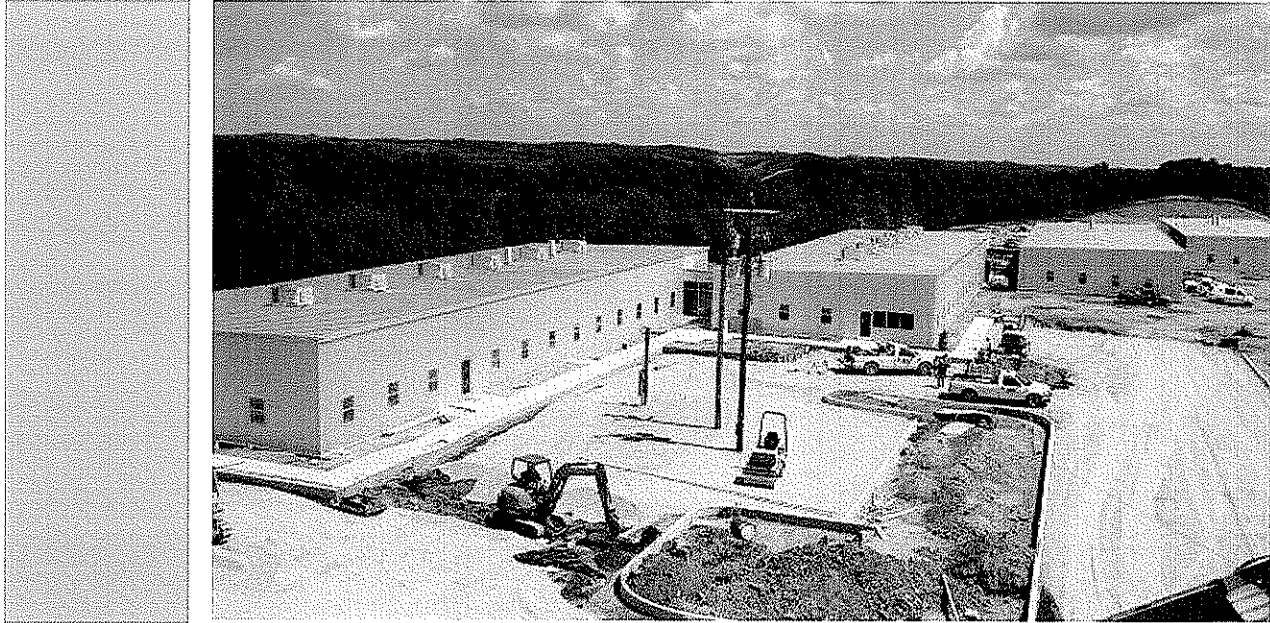
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## Spilman Center

Charleston, West Virginia

Silling has provided space planning and architectural design services for several major renovation projects to the existing Spilman Center. An earlier phase involved the demolition of existing and "fit-up" design of new office space totaling 28,000 SF. A second phase of development was concluded in 2001 with the inclusion of a 6,500 SF component into the operation. In 2005, Silling designed major renovations to the existing FLT Boardroom, creating a new state-of-the-art audio/video conference space with flexible and powerful presentation and conferencing tools to support a diverse range of meetings, training sessions, and social events. The conference room includes a large video projection screen, a 61" flat panel plasma screen, an integrated speaker and microphone system, an acoustically designed wall panel system, lighting options engineered for various video presentations, a double exterior window wall to decrease the noise of the adjacent Kanawha Boulevard, and a comprehensive audio-visual control system providing user control of the system as well as the room environment, such as window shades and lighting.





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SIZE: COMBINED 120,520 GSF (3 LOCATIONS IN WV, PA, KY)

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TYPE: NEW CONSTRUCTION

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STATUS: 2009

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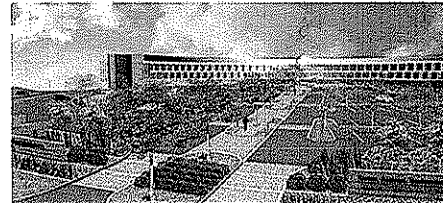
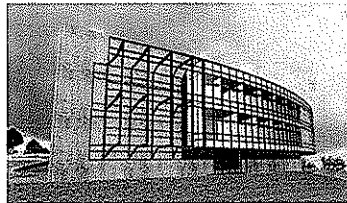
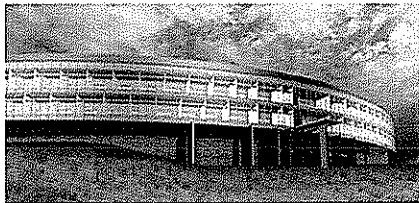
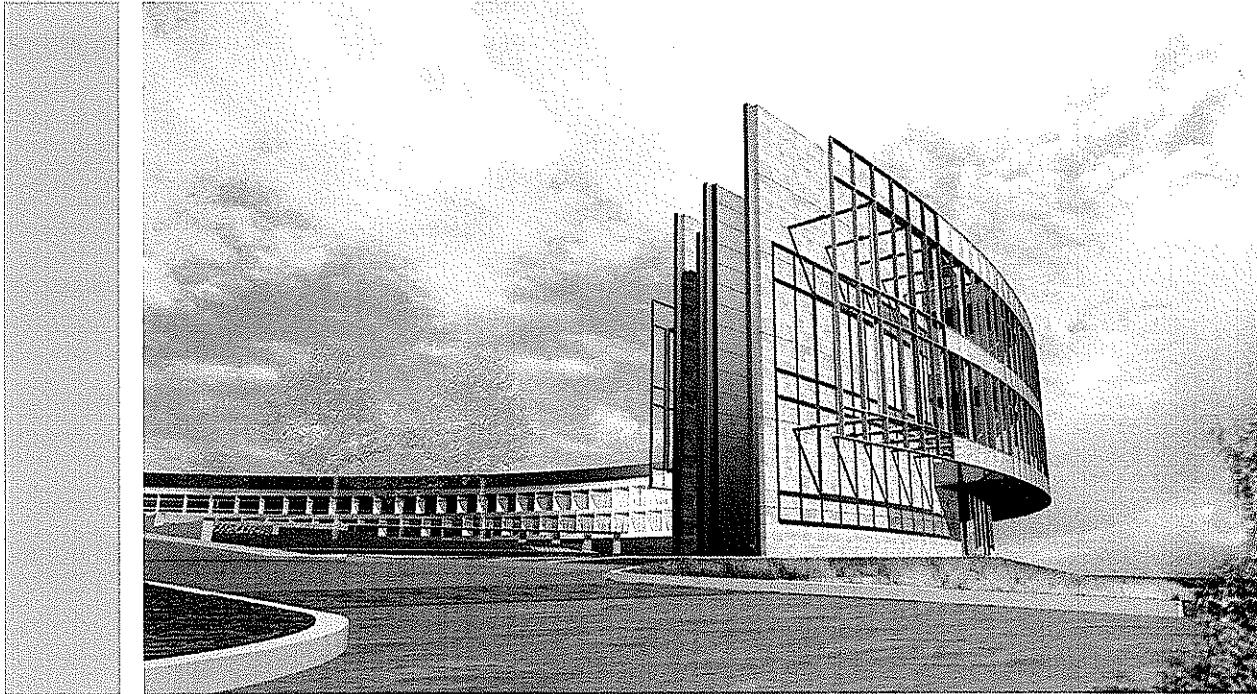
CONTACT: DAN LEDONNE, CHESAPEAKE ENERGY,  
1.405.879.9251

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## Regional Field Office Centers Chesapeake Energy Corporation

The Jane Lew field office includes two office buildings totaling 17,000 sf and a maintenance facility totaling 8,500 sf. The maintenance facility features three service bays, two large storage areas, wash bay, and a 10-ton bridge crane. The Mount Morris field office includes a 10,000 sf office area, 26,645 sf vehicle maintenance facility, and 3,900 sf small parts storage area. The maintenance facility features an engine rebuild bay, three equipment service bays, wash bay, drive-through paint booth, paint storage, compressor rooms, general storage, two 20-ton bridge cranes, and a 5-ton JIB crane. The Inez-Chesapeake project is comprised of four office buildings totaling 33,480 sf, plans for two future office buildings, and an 8,370 shop building. The Inez-MIDCON facility includes a 3,925 office area and an 8,700 sf shop area with four service bays.






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SIZE: 122,000 GSF

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TYPE: NEW CONSTRUCTION

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STATUS: CONSTRUCTION DOCUMENTS COMPLETE

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CONTACT: DAN LEDONNE, CHESAPEAKE ENERGY,  
1.405.879.9251

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AWARDS: 2009 HONOR AWARD, AMERICAN INSTITUTE OF  
ARCHITECTS, WEST VIRGINIA CHAPTER

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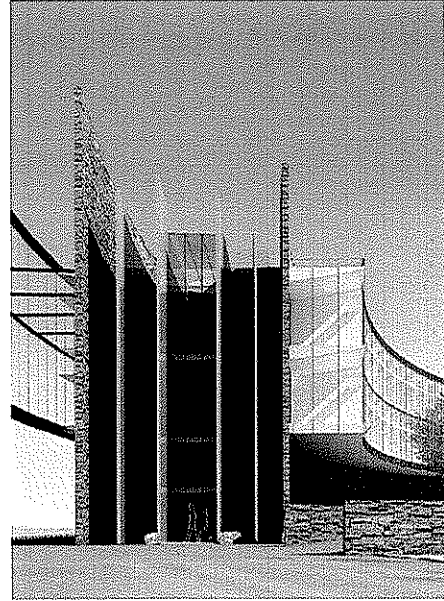
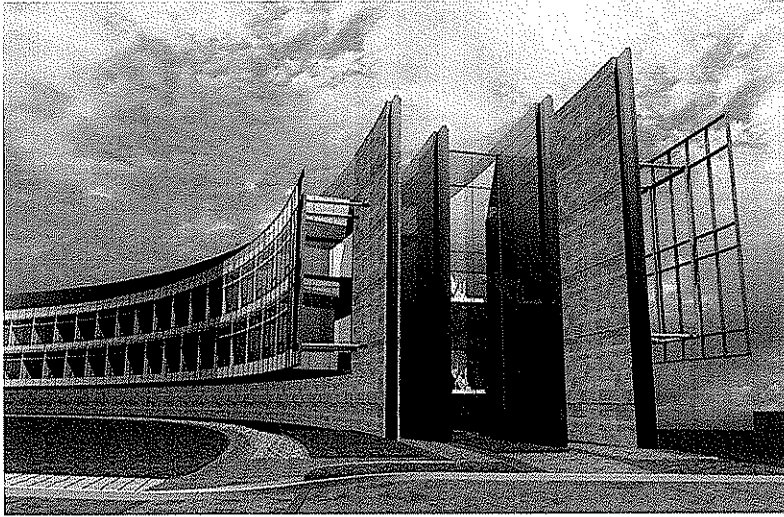
## Chesapeake Energy Eastern Regional Headquarters

Charleston, West Virginia

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.

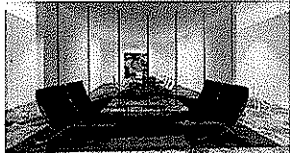
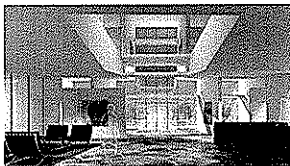
The corporate regional headquarters includes over 350 offices, a large dining and kitchen space, multiple conference spaces, storage, and office support spaces, as well as a fitness area with locker rooms and an exterior nature preserve and hiking trails. The project design engages the land in a way 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.





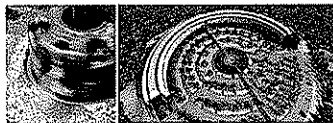
With an estimated construction cost of \$39M and projected track towards a LEED Gold rating, the project includes 296 total parking spaces with a concentric site design concept meant to encourage walking and enhance views to the surrounding landscape. Other health related and LEED aspects of the design 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.



### Doing Well While Doing Good

Three ways to make the difference in the lives of others.



1. **Energy Efficiency** - The building is designed to be a model of energy efficiency, featuring high-performance glazing and mechanical equipment to reduce CO2 emissions. The use of recycled fly ash in concrete parking materials further reduces the building's carbon footprint.

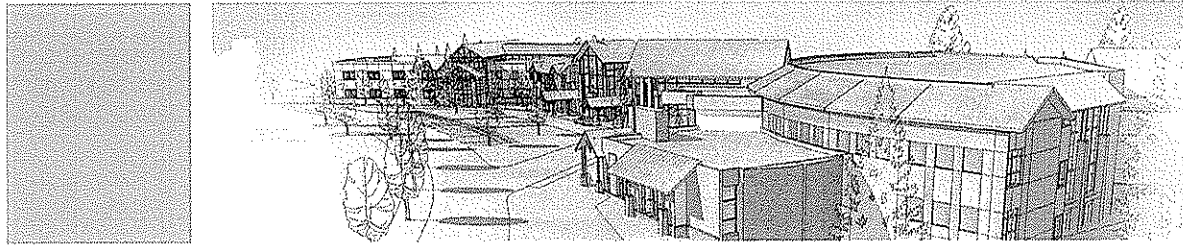
2. **Water Conservation** - The building incorporates advanced plumbing fixtures and grey water irrigation systems to conserve water. Operable windows and advanced lighting and thermostat controls also contribute to energy and resource savings.

3. **Health and Wellness** - The building's design encourages walking and provides spectacular views from interior offices and employee recreational areas. The use of natural materials and operable windows enhances the indoor environment, promoting the health and well-being of the building's occupants.



Chesapeake Energy Eastern  
Regional Headquarters  
Charleston, West Virginia





## See What Our Clients Have To Say About Us.

Mr. Jim Rubenstein, Commissioner  
WV Division of Corrections  
112 California Avenue, Room 300  
Charleston, WV 25305  
304.558.2036

Mr. Steve Canterbury, Administrative Director  
WV Supreme Court  
State Capitol Complex  
Building 1, Room E-100  
Charleston, WV 25305-0830  
304.558.0145

Mr. Walt Davis, Chairman  
Hampshire County Building Commission  
405 West Main Street  
Romney, WV 26757  
540.539.1909

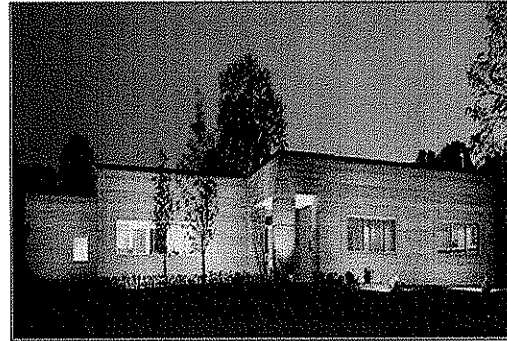
Mr. Thomas Swaim, Commissioner  
Morgan County Commission  
P.O. Box 28  
Berkeley Springs, WV 25411  
304.258.8540

Mr. John D. Robertson, General Manager  
Charleston Civic Center  
200 Civic Center Drive  
Charleston, WV 25301  
304.345.1500



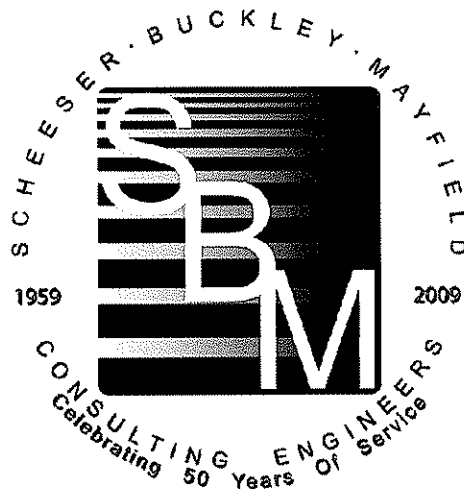
## ABOUT THE FIRM

**Scheeser Buckley Mayfield LLC** is an Ohio-based Consulting Engineering firm that serves clients throughout Ohio and the 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. The firm has enjoyed a steady growth in clients and geographical area served throughout its history, and its services now include electrical, civil, and telecommunication design.



Scheeser Buckley Mayfield LLC has developed an outstanding reputation for both 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. It has extensive experience in the design and analysis of projects of all sizes, which it can draw upon for future projects. 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 and 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 Scheeser Buckley Mayfield's projects originate from clients who have used its services previously and wish to continue a professional association. Scheeser Buckley Mayfield LLC strives to provide very professional and competent engineering services to all of our clients and to develop a personal relationship with these clients. This 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.



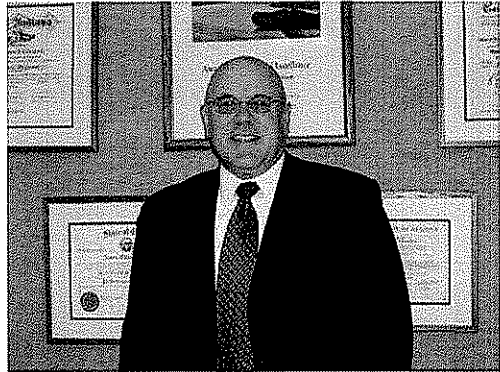
## **JAMES E. ECKMAN, P.E., LC, LEED AP, CBCP PRESIDENT - ELECTRICAL ENGINEER**

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### **PERSONAL RESUME**

Mr. Eckman attended The University of Akron where he received his Bachelor of Science Degree in Electrical Engineering in 1984.

After graduation, 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. During this engagement, he gained experience in the electrical design of commercial, industrial and healthcare facilities. Mr. Eckman also served as project manager for many of the projects he designed.



Concurrently, Mr. Eckman taught an electrical engineering course called "Illumination" at The University of Akron.

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. During this engagement, he designed and acted as project manager for several large industrial projects. He also earned electrical contractor licenses in several area communities.

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.

Mr. Eckman was a member of the Institute of Electrical and Electronics Engineers for eight years and is currently an active member of the Electrical League of Northeastern Ohio and 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 is currently serving as Secretary of The University of Akron Electrical Engineering and Computer Engineering Advisory Council as Vice Chairman.

Jim is a LEED v2 Accredited Professional and is registered in the State of Ohio, West Virginia, Pennsylvania and Indiana.

In 2005, Jim received his Lighting Certification (LC) from the National Council on Qualifications for Lighting Professionals (NCQLP).

In 2009, Jim received his Certified Building Commissioning Professional (CBCP) administered by the AEE (Association of Energy Engineers).

*Scheeser Buckley Mayfield LLC*

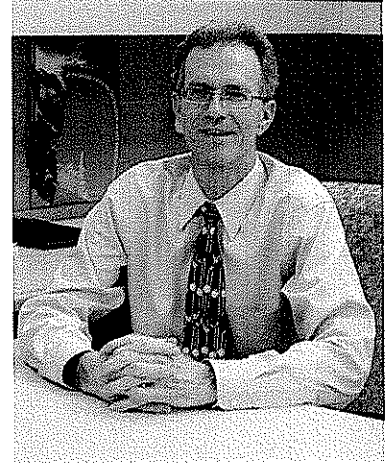


**MICHAEL P. WESNER, P.E., LEED AP, CBCP**  
**VICE PRESIDENT - MECHANICAL ENGINEERING**

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**PERSONAL RESUME**

Mike is a graduate of Ohio State University in Columbus, Ohio. He received a Bachelor of Science Degree in Mechanical Engineering in 1981 and later that year joined the consulting firm of Scheeser Buckley Mayfield LLC which was then known as Scheeser\*Buckley\*Keyser.



During his first few years with the firm, Mike was heavily involved with the Title III of the National Energy Conservation Policy Act (NECPA). This governmental program was established as a cost sharing energy conservation grant programs. This program provided funds to study the operation of schools and hospitals to determine if there were ways to reduce their energy consumption. The program then funded energy conservation measures identified in the reports. As a result of this involvement in many audits and retrofit programs for public school buildings, college and university buildings and hospitals, Mike gained valuable experience in formulating and implementing energy conservation programs in buildings that result in real world savings. This experience carries on in the work that Mike does today.

Since the mid 1980's Mike's project experience has been concentrated in the following areas:

- Large hospital Expansion and remodeling projects.
- Hospital Boiler Plant / Chiller Plant replacement projects.
- University Laboratory projects, both new construction and renovation.
- University Classroom Facilities
- University Dormitory Facilities
- Animal research facilities.
- Secondary education facilities.
- Industrial facilities.
- Telephone / Communications buildings
- Recreation/Athletic Fitness Centers
- Worship Centers

On all of the above facility types, Mike has acted as the Principal in Charge for the firm. The Principal in Charge (PIC) is the single point of contact and is responsible to make sure the project gets done on time and on budget.

Other types of project experience Mike has had are listed as follows:

- Projects where SBM was the prime design professional hired by the Owner. Typically this has been for chiller plant/boiler plant or other type of main A/C system replacement. This work involved hiring the sub-consultants, preparing the budget/schedule, writing the "front end" specification documents and doing all of the day to day construction administration.
- Projects where SBM was hired to diagnose and correct mechanical system problems
- Projects where SBM was hired to do Mechanical and Electrical Construction Cost Estimating

Mike is a LEED™ 2.0 Accredited Professional and a member of ASHRAE, ASPE, NFPA and BOCA. In 2009, Mike received his Certified Building Commissioning Professional (CBCP) administered by the AEE (Association of Energy Engineers).

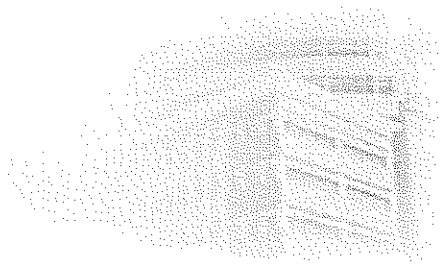
*Scheeser Buckley Mayfield LLC*

SHELLEY

METZ

BAUMANN

HAWK



## STRUCTURAL ENGINEERING

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**Shelley Metz Baumann Hawk, 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 building types including:

- Educational
- Institutional
- Commercial
- Recreational
- Residential
- Healthcare
- Public Projects

As a full service structural engineering firm **Shelley Metz Baumann Hawk, 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

The firm and individual staff members are committed to providing service of the highest quality. 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.

The leadership team of **Shelley Metz Baumann Hawk, Inc.** has over 120 years of combined experience in structural design.

**Shelley Metz Baumann Hawk, Inc.** enjoys the challenge of developing creative structural engineering solutions.

**We listen to our clients.**





Robert A. Baumann, P. E. - Vice President

Shelley Metz Baumann Hawk, Inc.

Project Role: Principal / Project Manager

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### DEGREES/REGISTRATION/EXPERIENCE

<b>Bachelor of Science</b>	Civil Engineering, The University of Cincinnati - 1980
<b>Structural Design Certificate</b>	The University of Cincinnati - 1980
<b>Master of Science</b>	Civil Engineering, The University of Cincinnati - 1981
<b>Registration:</b>	Ohio, Georgia, Kentucky, Iowa, Nebraska, Nevada, Oregon, South Carolina, Washington, West Virginia
<b>Member:</b>	American Institute of Architects (AIA) – Affiliate Member American Society of Civil Engineers American Concrete Institute American Institute of Steel Construction – Design Professional Member American Wood Council, Design Professional Member Structural Engineers Association of Ohio – Charter Member St. Elizabeth Church – Finance Committee Chairman

### BACKGROUND SUMMARY

Mr. Baumann 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. Mr. Baumann has designed new buildings as well as additions and large renovation projects.

Mr. Baumann 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. Mr. Baumann 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 Project Manager, Bob will be the primary point of contact for the project. He will provide design input during the conceptual and schematic design phases. Bob will lead the scheduling of the project and coordinate with the Project Engineer for the design and production of the construction documents. He will be involved with the project from beginning to end and provide quality control for the final documents. Bob will coordinate with the design team and participate in the construction administration of the project.



Engineering Solutions  
Client Care  
Environmental Stewardship  
Community Enhancement  
Safety & Sustainability

## GAI-Charleston Office Brief

### **GAI-Charleston**

The City of Charleston, located at the confluence of the Elk and Kanawha Rivers, is West Virginia's largest city and state capital. Three major interstates converge in the city's center, placing Charleston within a day's drive of 60 percent of the U.S. population. Downtown and riverfront improvement projects attract visitors to the Capitol Complex, the Kanawha State Forest, and other educational and recreational areas.

Since 1985, GAI-Charleston has provided award-winning consulting services in mine land reclamation and mine drainage engineering. We continue to deliver innovative engineering solutions in transportation, land development, and energy markets, with a particular specialization in landscape architecture and LEED design. GAI-Charleston's premier teams of professionals serve a wide range of clients, including local developers, state government agencies, and large corporations.

### **General Services**

- + Environmental Engineering, Permitting and Mitigation
- + Transportation and Traffic Engineering, Planning & Design
- + Geotechnical and Structural Engineering
- + Mechanical and Electrical Engineering
- + Water/Wastewater Engineering/Utility Management
- + Land Development, Landscape Architecture and Planning
- + Cultural Resources Management
- + Surveying/Geographic Information Systems (GIS)
- + CEI/CMS/Materials Testing
- + Utility Coordination/Eminent Domain
- + LEED Design and Greenhouse Gas Consulting

### **Specialty Services**

- + Grant-writing, Asset Management & Valuation Studies
- + Computer Programming & Web Site Development
- + Graphic Design, Video Production, & Public Outreach

Transforming ideas into reality for over 50 years, GAI is a 700-person, employee-owned, multi-discipline engineering and environmental consulting firm, serving our clients worldwide in the energy, transportation, real estate, water, municipal, government, institutional, and industrial markets from offices throughout the Northeast, Midwest, and Southeastern United States.

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### **GAI Consultants, Inc.**

GAI-Charleston  
500 Summers Street, 3rd Floor  
Charleston, WV 25301  
304.926.8100

*For more information on GAI Consultants, Inc.,  
please visit [www.gaiconsultants.com](http://www.gaiconsultants.com).*

# David Gilmore, RLA, CLARB

Land Development Services Manager / Landscape Architectural Services Manager

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## Education

BSLA, College of Agriculture & Forestry, 1988 West Virginia University

## Professional Affiliations

American Society of Landscape Architects, ASLA  
WV Chapter of American Society of Landscape Architects  
Council of Landscape Architectural Review Board, CLARB

## Professional Development

WVASLA State Licensing Board Member, 2003-2006  
Past President, WVASLA  
Executive Committee Member, WVASLA  
Chairman, WVASLA Licensing and Sunset Review Committee  
Judge, Senior Design Awards, West Virginia University

## Registrations

Council of Landscape Architectural Registration Board Certified  
West Virginia Professional Landscape Architect No. 247  
Indiana Professional Landscape Architect No. LA 20700137  
Pennsylvania Professional Landscape Architect No. LA 002737  
Ohio Professional Landscape Architect No. LA 0801200  
Kentucky Professional Landscape Architect No. LA 768

## Previous Employment

2003 to 2006 Triad Engineering, Inc. – Senior Landscape Architect  
2000 to 2003 Environmental Design Group, Inc. – Senior Landscape Architect/Associate  
1993 to 2000 LANDesign Associates – President  
1988 to 1993 Valley Gardens, Inc. – Land Planner / Design Department Manager  
1987 to 1988 Gifford, Nielson & Riesburg – Land Planner (internship)

## Awards

- Merit Award (WVASLA): 'Hyper' Employee Plaza, Main Entrance Improvements  
*Client: Dupont Company*
- Merit Award (WVASLA): Florida Street Revitalization Master Plan  
*Client: West Side Neighborhood Association*

## Professional Experience

Mr. Gilmore has 19 years of experience on a diverse range of projects encompassing all aspects of landscape architectural design in both the public and private sector. Experience includes, but is not limited to: project and office management, construction document and technical specification preparation, site analysis, schematic design, construction administration, master & land-use planning (resort, parks, recreational, residential, industrial, commercial), streetscape and municipality improvements, landscape and hardscape design, graphic presentation drawing.

## Streetscape / Urban Revitalization:

- Kanawha Boulevard, Charleston, WV.
- Pennsylvania Street, Carmel Indiana
- St. Albans Master Plan, St. Albans, WV.
- St Albans Phase I

# David Gilmore, ASLA, CLARB

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*Land Development Services Manager*

- St. Albans Phase II
- Pennsylvania Avenue Gateway, Charleston, WV
- Florida Street Revitalization Master Plan, Charleston, WV.
- Williamson Master Plan, Williamson, WV.
- MacCorkle Avenue Greenspace Improvements, Kanawha City, WV.
- Kanawha Valley Rapid Transit Shelter/Plaza Design

## **Parks & Recreation:**

- Stonewall Jackson State Park Masterplan, Roanoke, West Virginia
- Twin Falls State Park, Twin Falls, West Virginia
- Dow Heritage Park, Charleston, West Virginia
- Charleston Area Medical Center General Division Employee Park, Charleston, West Virginia
- Dupont 'Hyper' Plaza, Belle, West Virginia
- Ohio to Erie Trail, Multiple Counties, Ohio
- Coonskin Park , Charleston, West Virginia

## **Hospitals / Institutional / Campus Planning:**

- Dow South Charleston Plant
- Beckley Federal Courthouse Security Upgrades
- Charleston Area Medical Center Memorial Park
- King's Daughters Medical Center
- WVU Gateway Study
- Town of Fayetteville Cemetery Master plan
- Trinity Lutheran Church Columbarium Master Plan
- First Presbyterian Church Columbarium Master Plan
- Yeager Airport Master Plan
- The Church of Jesus Christ of Latter-Day Saints, Multiple Projects
- Marshall University Dormitory / Alumni Center
- West Virginia University Dormitory, Evansdale Campus
- West Virginia University Dormitory, Downtown Campus
- Potomac State Dormitory
- West Virginia State Student Housing, Institute, West Virginia

## **Development / Site Planning:**

- Cheat Landing Office Park, Morgantown, West Virginia
- The Villages at Cheat Landing, Morgantown, West Virginia
- The Pines Country Club, Morgantown, West Virginia
- Stonegate at Cranberry, Cranberry Township, Pennsylvania
- Chesapeake Energy Regional Headquarters, Charleston, West Virginia (**LEED Project**)
- Chesapeake Energy Field Office, Jane Lew, West Virginia
- Chesapeake Energy Field Office, Mount Morris, Pennsylvania
- Chesapeake Energy Field Office, Honey Branch, Kentucky
- Ridge Run @ North Camp, Wisp Ski Resort, Deep Creek Maryland
- Cambridge Place Office Park, Bridgeport, West Virginia
- Stonewall Jackson State Park Masterplan, Roanoke, West Virginia
- Land-use Study / Development Alternatives, Aspen Corporation, Lewisburg, West Virginia
- Commerce Park Mixed-use Development Masterplan, Huntington, West Virginia
- Fort Boreman Mixed-use Development Masterplan, Parkersburg, West Virginia
- Wilkerson Dental Office, Charleston, West Virginia
- Ocean Isle Beach Resort Masterplan, Ocean Isle, South Carolina
- 5/3 Bank, Cross Lanes, WV.
- Banc One, Teays Valley WV

# James Hemme, P.E., L.R.S.

Senior Engineering Manager

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## Education

B.S. Civil Engineering, 1989 West Virginia University Institute of Technology  
Marshall University Graduate College – Various Courses in Environmental Engineering

## Registrations

West Virginia Professional Engineer No. 12195  
Kentucky Professional Engineer No. 25437  
Ohio Professional Engineer No. 72851  
Indiana Professional Engineer No. 10809277  
Pennsylvania Professional Engineer No. 75494  
New York Professional Engineer No. 85794  
West Virginia Licensed Remediation Specialist No. 003

## Professional Development

OSHA 40 hour Hazwopper Training  
NICET 1 – Geosynthetics Installation Inspection (expired)  
Nuclear Density Gage Training – DOT and NRC (expired)  
MSHA Safety Training (expired)

## Awards

- National Radio Astronomy Observatory (NRAO) Wastewater Treatment Plant Design (Project Manager) – WV ACEC Gold Award
- Florida Street Streetscape Masterplan (Senior Engineer) - WV ASLA Honor Award
- Dupont Hyper Plaza Design (Senior Engineer) – WV ASLA Honor Award
- Kanawha Trestle Rail Trail Masterplan (Project Manager) – WV ASLA Merit Award and WV ACEC Silver Award
- April Dawn Park Sprayground “Teays Valley Monster” (Senior Engineer)–WV ASLA Honor Award and WV ACEC Gold Award
- Coldwater Creek Distribution Center Site Preparation (Project Manager) – WV ACEC Gold Award

## Professional Experience

Mr. Hemme has a wide variety of experience with correctional and judicial projects and other environmental, civil engineering, site development, streetscape, and planning projects while at GAI and through previous employment. He has worked extensively with private developers, architects, municipalities and governmental agencies. He is an expert in site engineering, NEPA compliance and storm water management. He has worked on landfills, quarries, mines, industrial, and commercial facilities. He has performed many Phase 1 environmental site assessments; solid waste, industrial waste, erosion and sediment control permitting; designed extensive storm water management systems; designed both large and small site developments ranging from 1 acres to hundreds of acres in size; designed wetland mitigation areas; assisted in the preparation of geotechnical reports; flood plain modeling, highway/roadway design, right-of-way plans, prepared detailed construction plans and cost estimates for projects ranging from \$10,000 to multiple millions.

## Representative Project Experience:

### Correctional and Judicial Facilities:

- Huttonsville Work Camp – Project Manager for the site design and permitting associated with the proposed work camp facility to be located across Rt. 250 from the maximum security location.

**Correctional and Judicial Facilities (continued):**

- Huttonsville Correctional Facility – Project Manager for the retrofit design of the current wastewater treatment facility experiencing temperature, grease and trash issues
- Anthony Correctional Center – Project Manager for the design of a package potable water treatment plant for a rural correctional facility running off of springs.
- Morgan County Courthouse Replacement, Berkeley Springs, WV – Senior Engineering Manager for site design and permitting associated with a new facility in a historic location. Includes the establishment of a TMDL for Warm Springs Run to use the naturally warm water with an innovative HVAC system to supply inexpensive heating and cooling for the facility.
- Greenbrier County Courthouse Annex and Expansion, Lewisburg, WV – Project Manager for the site design development drawings and budgetary cost estimation.
- Raleigh County Courthouse Annex Design, Beckley WV – Urban infill location with coordination of existing structures and utilities.
- Hampshire County Courthouse – Remedial storm water drainage design.
- Pruntytown Correctional Facility – Site design for an emergency generator pad and maintenance access.
- St. Marys Correctional Facility – Environmental investigation to determine if contaminants of concern were present as a potential cause of a K-9 officer illness and fatality at the kennel.
- Correctional Officer Training Academy – Feasibility study to determine siting requirements for a modular training academy building at property located near Ripley WV.

**General Engineering and Permitting Experience:**

- Site Design for over 100 different projects throughout WV, OH, KY and PA
- Design of over 50 storm water management systems
- Detailed design of over 100 different ponds, embankments and lagoons
- Preparation of over 100 detailed erosion and sediment control plans
- Preparation of over 100 NPDES Construction Storm water Permit Applications
- NEPA compliance for wetlands, streams, cultural resources, endangered species, etc.
- Phase 1 Environmental Site Assessments for a wide range of facilities

**Site Development and Planning:**

- Chesapeake Energy Regional Headquarters, Charleston, West Virginia (**LEED Project**)
- Chesapeake Energy Field Office, Jane Lew, West Virginia
- Chesapeake Energy Field Office, Mount Morris, Pennsylvania
- Chesapeake Energy Field Office, Honey Branch, Kentucky
- The Pines Country Club, Morgantown, West Virginia
- Dow Chemical South Charleston Plant – Entrance, Parking and Pedestrian Improvements
- Coldwater Creek Distribution Center and Wetland Mitigation in Parkersburg, WV
- Tamarack Phase 2 Expansion, Beckley, WV
- Marshall University Clinical Outreach and Education Center, Huntington, WV

**Business Park and Subdivision Planning:**

- Cheat Landing Office Park, Morgantown, West Virginia
- Ft. Boreman Development–Master Plan Site Preparation and Roadway Design, Parkersburg, WV
- The Villages at Cheat Landing, Morgantown, West Virginia
- Almost Heaven Habitat for Humanity – South Fork Crossing Subdivision, Pendleton Co., WV
- Stonegate at Cranberry, Cranberry Township, Pennsylvania



**Parks & Recreation:**

- Golf Club House and Lodge Site Development at Stonewall Jackson State Park
- Cedar Creek State Park Camp Ground Expansion, Glenville, West Virginia
- Dow Heritage Park, Charleston, West Virginia
- Fort Boreman Historic Park, Parkersburg, West Virginia
- Dupont 'Hyper' Plaza, Belle, West Virginia
- April Dawn Sprayground and Park "Teays Valley Monster"
- Rotary park improvements, Huntington, WV

**Streetscape and Trails:**

- Kanawha Trestle and Rail Trail Master Plan
- Florida Street Master Plan for the City of Charleston, West Side Neighborhood Association
- City of Richwood, West Virginia Streetscape Master Plan and Phase 1 Construction
- Phase 1 of the Florida Street Streetscape
- Washington Street East Phase 2 Streetscape, Charleston, WV
- Pennsylvania Avenue Streetscape, Charleston, WV
- City of Charleston, East End Design Cheret
- City of Charleston, "Think Tank" Design Cheret
- Volunteer in preparation of Greater Charleston Greenway Initiative by the WV Land Trust Co.
- Current volunteer with the Riverside South Committee / Charleston Land Trust
- North Bend Rail Trail Flood Damage Repair

**Solid Waste Management and Engineering:**

- **Design and permitting for 50 different solid waste facilities in WV, VA, OH.**
- Berkeley County Solid Waste Authority – Siting Study regarding suitability of property
- North Fork Landfill – 50 acre landfill over previously deep mined area
- Nicholas County Landfill – Small rural landfill expansion with special steep slope design
- Disposal Service Landfill – Unique multi-stage expansion of a landfill including steep slope design
- Boone County Commission – Permitting of various solid waste transfer stations
- Page County Virginia – Comprehensive Countywide search for a regional landfill
- Anker Energy – Conceptual study to determine feasibility of fly ash disposal facility
- Elkem Metals – Fly ash landfill utilizing a geosynthetic clay liner and special slope design

**Waste Water and Potable Water Design:**

- National Radio Astronomy Observatory – Design of a unique, non-mechanical, award winning treatment system that uses no electricity and treats the entire campus wastewater load.
- Manufactured Housing Development Waterline Replacement – Design of over 5 miles of water line within an existing 1000+ unit manufactured housing development.
- Pocahontas County Landfill – Modular trickling sand filters with aeration pond and polishing wetland
- Multiple Landfills – Pre-treatment system design to remove high BOD levels prior to WWTP
- Storage Tank Design – Multiple bolted or welded steel tanks primarily for leachate storage

**Abandoned Mine Land (AML) Reclamation and Acid Mine Drainage (AMD) Treatment:**

- Richard Mine Acid Mine Drainage – Treatment Alternatives Report, Monongalia County, WV
- Richard Mine Flow Monitoring Study – Design, installation, full time flow monitoring and reporting for a 1 year period on drainage from a substantial AMD discharge.
- East Branch Raccoon Creek AMD Treatment Design – ODNR
- Vens Run Landslide Reclamation #2 Design and Permitting – Harrison County, WV
- Whites Run Reclamation Permitting – Randolph County, WV