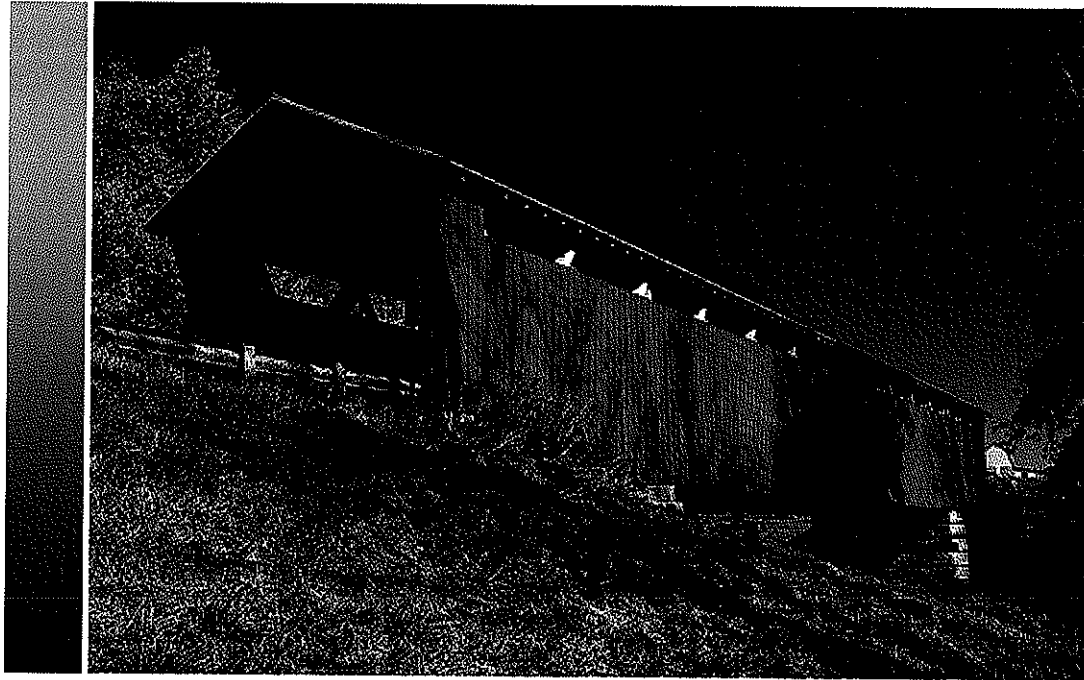


ORIGINAL



PA PLANNING ADVOCATES, INC.
FUTURISTS...FACILITATORS...CONSENSUS BUILDERS...FACILITY PLANNERS

RECEIVED

2011 FEB -3 PM 1:14

WV PURCHASING
DIVISION

Expression of Interest
West Virginia Department of Education
Cedar Lakes Educational Complex
RFQ #EDD345321



Table of Contents

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Tab 3	Silling Associates Architects
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Tab 5	Scheeser Buckley Mayfield MEP & Civil Engineering
Tab 6	Moment Engineers Structural Engineering



405 Capitol Street, Upper Atrium · Charleston, West Virginia · 25301

p 1.304.346.0565 f 1.304.346.1522 www.silling.com

February 3, 2011

Purchasing Division
2019 Washington Street, East
Charleston, West Virginia 25305-0130

Re: RFQ# EDD345321

Dear Committee Members:

The design team of SILLING ASSOCIATES and PLANNING ADVOCATES is pleased to submit our qualifications for the Cedar Lakes Educational complex project.

Silling Associates is the longest continuing architectural practice in the state of West Virginia with origins from 1902. For over a century, Silling Associates 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. Our Design Team provides the WV Department of Education with significant planning and design expertise within the secondary and higher education markets here in West Virginia, particularly involving addition and renovation projects.

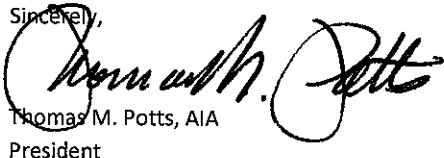
Founded in 1985, **Planning Advocates** serves the educational planning and facility planning needs of a variety of school districts, institutions for higher learning, government agencies, and other public and private sector clients on a nationwide basis. Of most relevance is their involvement and leadership with the development of 2010 Comprehensive Educational Facility Development Plans (CEFPs) for twenty school districts in the state of West Virginia.

Scheeser Buckley Mayfield and **Moment Engineers**, offering extensive experience serving WV secondary and higher education clients, will provide consulting mechanical, electrical, plumbing, civil, telecommunications, and structural engineering design for the project.

We have assembled this Expression of Interest that highlights our firms' histories, services, relevant project experience, professional resumes, and even more importantly, how we plan to successfully deliver a first-class project for Marshall University. We would love to talk more with you in a personal interview about the Cedar Lakes Educational Complex project and give you a greater sense of the hard work and honesty that you would get from the Silling team.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Thomas M. Potts".

Thomas M. Potts, AIA
President

Thomas M. Potts, AIA
Jody S. Driggs, AIA, NCARB



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER:
 EDD345321

PAGE:
 2

ADDRESS CORRESPONDENCE TO ATTENTION OF:
 SHELLY MURRAY
 304-558-8801

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE

SHIP TO

WV DEPT. OF EDUCATION
 1900 KANAWHA BLVD. EAST
 BUILDING 6, ROOM B-360
 CHARLESTON, WV
 25305

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
01/26/2011				

BID OPENING DATE: 02/03/2011 BID OPENING TIME 01:30PM

LINE	QUANTITY	UQP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
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NO. 1 ✓ ~~CP~~
 NO. 2 ✓ ~~CP~~
 NO. 3
 NO. 4
 NO. 5

I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.

VENDOR MUST CLEARLY 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.

[Handwritten Signature]

 SIGNATURE
 SILINK ASSOCIATES, INC.

 COMPANY
 2/3/2011

 DATE

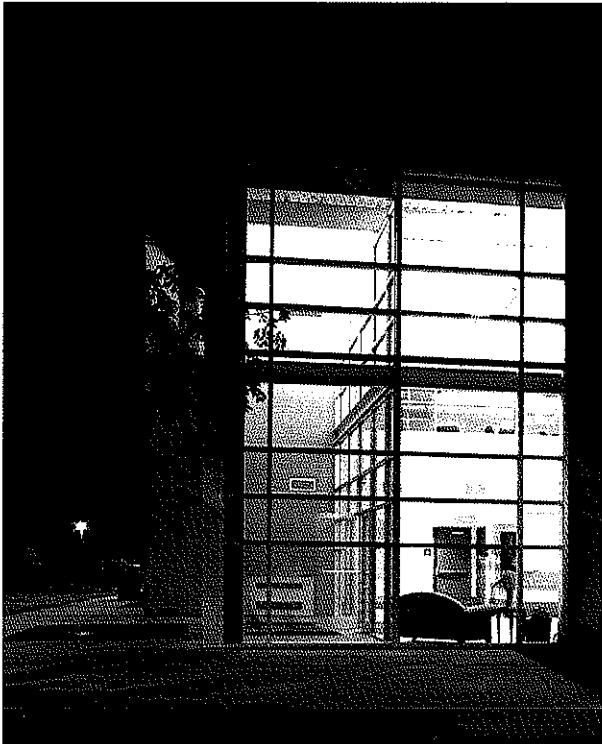
NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE BID.

----- END OF ADDENDUM NO. 2 -----

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



Introductions - The Planning & Design Team

Silling Associates, Inc.

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.

For over 100 years, Silling Associates has been a leader in providing state-of-the-art educational facilities throughout the state of West Virginia. Our founding architects began this work with such schools as Charleston Senior High School and Stonewall Jackson High School (among many others), to a number of notable campus buildings throughout the campuses of West Virginia University during the 1950s, 1960s, and 1970s. Today, the firm continues to provide exceptional educational facilities for West Virginia University, West Virginia State University, Marshall University, and others. Facilities Directors from these institutions consistently praise our firm's educational design expertise, budget and schedule performance, management skills, responsiveness, and overall client service from project to project. Strategically, Silling has assembled additional key architectural project managers and consultants to provide the WV secondary school system with a well-rounded, highly-respected, and leading Design Team that will exceed every planning, design, and service expectation.

Planning Advocates, Inc.

Planning Associates, Inc. serves the educational planning and facility planning needs of a variety of school districts, institutions of higher education, government agencies, and other public and private sector clients on a nationwide basis—including West Virginia. Incorporated in 1985, their firm is comprised of educators and planners providing facilitated, comprehensive planning for school programs and facilities.

Their founder, Dr. Dwayne Gardner, is a nationally-recognized educational facility planner with over 45 years of successful experience including positions within State and Federal Departments of Education, the Council of Educational Facility Planners and private organizations. Mr. Ron Smith, President, Mr. Don Dyck, Senior Planner, and Ms. Carol Lathrop, Educational Planner, provide many years' experience within public education as teacher, building administrator, superintendent, and educational consultant.

Planning Advocates offers a variety of services custom designed to meet client needs. Those services include strategic planning, visioning and future scenario building, large and small group facilitation for community planning and consensus building, comprehensive surveys and assessments, educational planning and specifications development, and various other professional services.



Scheeser Buckley Mayfield LLC

Scheeser Buckley Mayfield 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. Entering its 50th year of operation, Scheeser Buckley Mayfield routinely serves Silling Associates and the State of West Virginia on a diverse mix of project types, sizes, and complexities.

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.

Moment Engineers

Moment Engineers, Inc. is a professional consulting firm specializing in structural engineering. They serve the architectural and building construction communities throughout West Virginia. Based in Charleston, West Virginia at 179 Summers Street, Moment Engineers was founded by Douglas Richardson in early 2005. Prior to that, Mr. Richardson was employed by a West Virginia architectural/engineering firm as their Senior Structural Engineer. For more than a decade, Mr. Richardson has had sole responsibility for the structural engineering design of more than 5 million square feet of built space, with the total construction costs of these projects exceeding \$600,000,000. His experience, which ranges from small to very large multi-phase projects, is invaluable in providing the technical expertise and creative flexibility to deliver results in a prompt and reliable manner.

Their experience encompasses a wide variety of building types and sectors, and our expertise includes designing with steel, concrete, masonry, and wood.



Key Personnel Assigned to the Project

Project Executive & Principal in Charge

Thomas M. Potts, AIA, Principal

Silling Associates Architects

405 Capitol Street, Upper Atrium

Charleston, WV 25301

phone: 304.346.0565 email: tpotts@silling.com

Senior Project Manager - Educational Facilities

J. Blair Frier, AIA, Project Architect

Silling Associates Architects

Educational Facilities Planning Consultant

Ronald Smith, President

Planning Advocates, Inc.

Mr Don Dyck, Senior Planner

Planning Advocates, Inc.

Ms. Carol Lathrop, Educational Planner

Planning Advocates, Inc.

Other Support Staff

Jody S. Driggs, AIA, Principal

Principal Design Support

Silling Associates Architects

Sean Simon, AIA

Construction Period Service Management

Silling Associates Architects

Kim Ellis, Associate AIA

Interior Design

Silling Associates Architects

Mike Wesner, PE, LEED AP, CBCP

Vice President of Mechanical Engineering

Mechanical Engineering Principal

Scheeser Buckley Mayfield

Jim Eckman, PE, LEED AP, CBCP

President

Electrical Engineering Principal

Scheeser Buckley Mayfield



Key Personnel Assigned to the Project

Kevin Noble, PE, LEED AP

Principal

Role: Civil Engineering

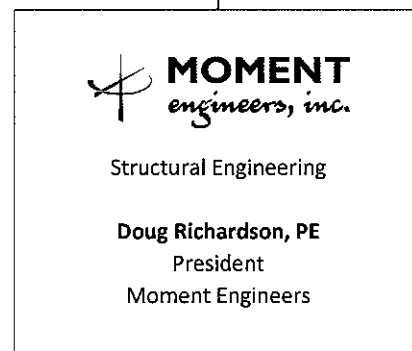
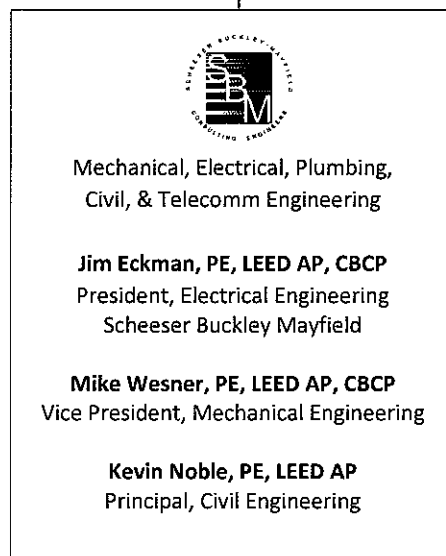
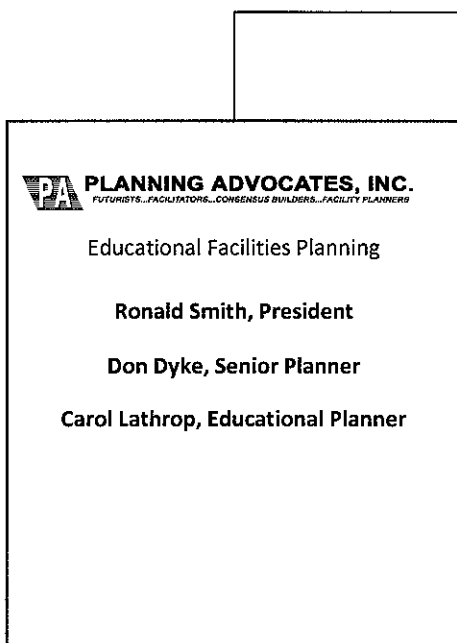
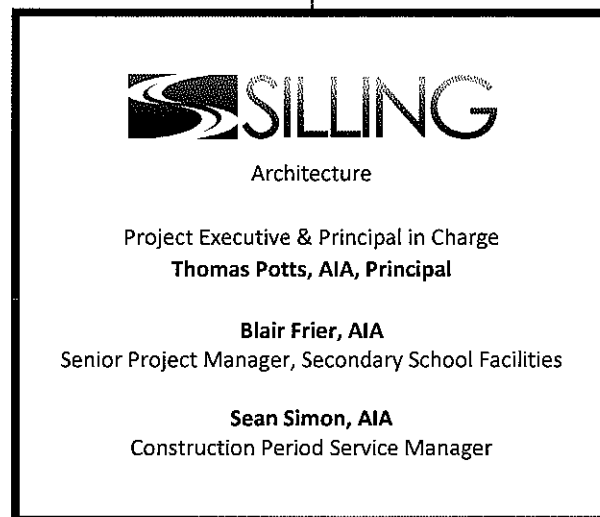
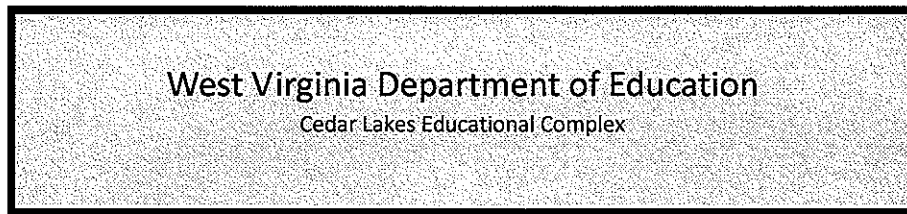
Scheeser Buckley Mayfield

Doug Richardson, PE

President

Role: Structural Engineering

Moment Engineers

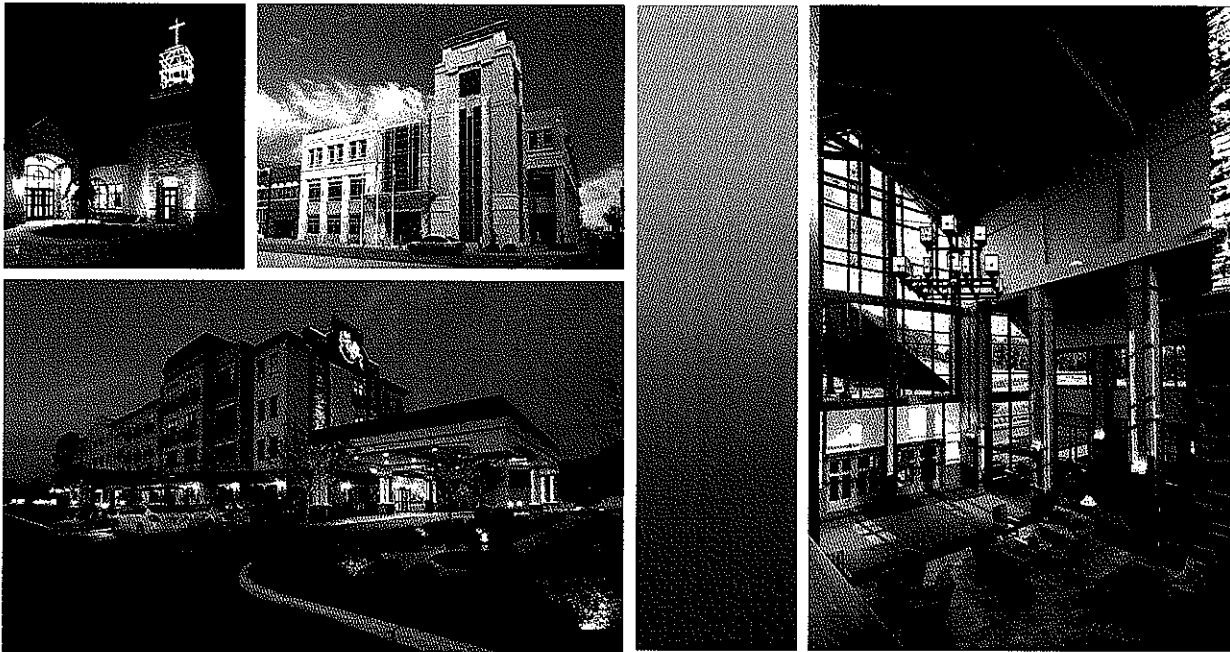




About Our Firm

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.



Organizational Structure

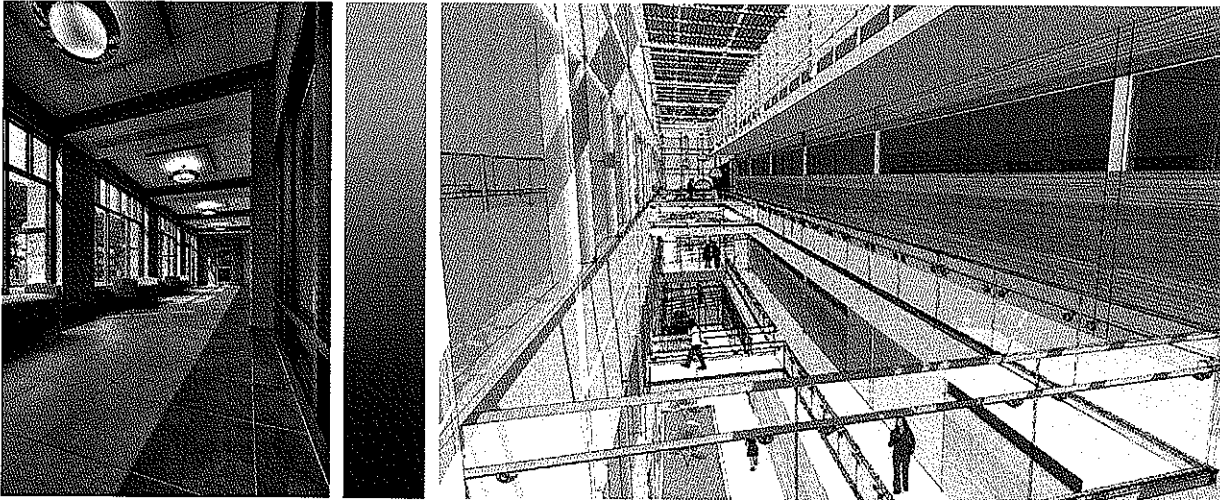
Silling Associates is a principal-led design practice, and the organizational structure of our firm is very much studio-oriented. The principals of our practice are actively engaged in all projects and routinely serve as daily project managers for all major design commissions. This structure ensures that first-hand project criteria, relayed directly from clients in programming and design review meetings, is directly applied to all work within the office; from conceptual design through construction detailing, specification writing, and construction observations services. Likewise, through this studio environment structure, all the talents and perspectives of the entire design and production staff at Silling are brought to each design task, allowing our firm to build multiple-person teams within the office to focus on a variety of projects simultaneously. Likewise, open sharing of project information, project status, and large picture scheduling of our workload allow architects, designers, and technicians to be informed on a number of current project needs and deadlines and cross-pollinate from job to job and task to task. This highly interactive and collaborative structure yield compelling design solutions, maintains client expectations throughout the process, and most importantly ensures quality through principal leadership.

However, it is primarily a culture of service that permeates everything that Silling does and leads to very satisfied clients. Aggressive communication is an axiom of our firm, and the heart-felt desire to be highly responsive to client needs and demands has proven to be one of the many reasons that owners select Silling Associates. This is most obvious in the number and references of our many repeat clients across the state.

Awards & Recognition

Consistent leadership, creative vision and service has always been a distinguishing characteristic of Silling Associates. Since our founding in 1902, the firm has consistently been recognized by leading industry organizations, publications, and professional groups.

Recent awards through the WV Chapter of American Institute of Architects include a **2004 Honor Award for Excellence in Architecture** - Star USA Federal Credit Union, **2006 Merit Award for Achievement in Architecture** - James C. Wilson Union, **2008 Honor Award for Excellence in Architecture** - Chesapeake Energy Eastern Regional Headquarters, and **2009 Merit Award for Achievement in Architecture** - Bible Center Church.



Professional Services

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. At Silling we offer the following list of comprehensive architectural, planning, and interiors services:

- Feasibility Studies
- Master Planning
- Space Planning
- Architectural Programming
- Concept & Design Development
- Interior Design
- Furniture & Accessories Design
- Furniture & Accessories Specification
- LEED & Sustainable Design
- Construction Period Management
- 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.

As you review our firm's credentials and experiences, we feel 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.



Diversity of Experience

As general practitioners of architectural design, Silling Associates 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.

Architecture for Justice

Courthouses
Judicial Centers
Governmental Administration
Correctional Institutions
Public Safety Centers

Architecture for Learning

Colleges & Universities
Community & Technical Colleges
Secondary Education

Architecture for Working

Corporate & Office
Governmental
Banking & Financial
Retail & Hospitality

Architecture for Health & Wellness

Hospitals & Medical Centers
Medical Office Buildings

Architecture for Living

Custom Residences
Loft Housing & Urban Living
Condominiums

Architecture for Worship

Worship Centers
Educational Centers

Architecture for Recreation

Hotels & Resorts
Riverfront Development
Athletic Recreation



Thomas M. Potts, AIA
Principal

"It is simply a given that client service, competence and professionalism is the core of everything we do. What naturally follows is a degree of care we exercise in our client relationships that is as rewarding as the building the owner will occupy."

Professional Bio

Tom is president of Silling Associates. A sixteen-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.

Tom's body of work includes architecture for local, state, and federal government entities, educational institutions, healthcare providers, corporate and professional organizations, and residential clients. 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

WV, VA

Professional Affiliations & Conferences

West Virginia AIA, Ex-President & Executive Committee Member
Academy for Justice Architecture (AAJ), American Institute of Architects (AAI Fifth International Conference on Justice Design; AAJ Sixth International Conference on Justice Design; AAJ Seventh International Conference on Justice Design)

Awards & Recognition

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

Notable Project Experience

*Morgan County Courthouse
Berkeley Springs, WV*

*Hampshire County Judicial Center
Romney, WV*

*Putnam County Judicial Building &
Courthouse Addition
Winfield, WV*

*Raleigh County Judicial Center
Beckley, WV*

*Jefferson County Judicial Center
Charles Town, WV*

*Greenbrier County Courthouse
Administrative Services Center
Lewisburg, WV*

*Franklin County Courthouse & Justice
Center
Chambersburg, PA*

*Medina County Courthouse
Medina, OH*

*Allegheny County District Court
Cumberland, MD*

*Mineral County 911 Center
Keyser, WV*

*Huttonsville Correctional Center
Huttonsville, WV*

*Mount Olive Correctional Center
Mount Olive, WV*

*Stevens Correctional Facility
Welch, WV*

*St. Marys Correctional Center
St. Marys, WV*

*Martinsburg Correctional Center
Martinsburg, WV*

*WV Lottery Headquarters
Charleston, WV*



Jody S. Driggs, AIA

Principal

"Architecture is the one art form that requires the artist to love people—music, art, sculpture can exist for its own sake—but architecture is a service. Our practice is rooted in the notion of truly pleasing the people that we work for—it's about the posture of the heart."

Notable Project Experience

*James C. Wilson Union
West Virginia State University*

*Bible Center Church
Charleston, WV*

*Chesapeake Energy Eastern
Regional Headquarters
Charleston, WV*

*WV Lottery Headquarters
Charleston, WV*

*Mardi Gras Casino Resort Hotel
Cross Lanes, WV*

*Mardi Gras Casino Resort Convention
& Conference Center
Cross Lanes, WV*

*St. Timothy Lutheran Church
Charleston, WV*

*WVU Tech Student Union
WVU Institute of Technology*

*Industrial Home for Youth
Salem, WV*

*St. Marys Correctional Center
St. Marys, WV*

*Kanawha Valley Heart Specialists
Medical Office Center
South Charleston, WV*

*Huntington Pediatric Dentistry
Huntington, WV*

*Downtown Media Center
West Virginia State University*

*Fleming Hall Athletic, Convocation,
& Academic Center
West Virginia State University*

*Campus Master Plan
West Virginia State University*

*Haddad Riverfront Park Stage,
Amphitheatre, & Canopy*

Professional Bio

As a principal with Silling Associates with fourteen years' experience in the design practice, Jody has been a major force in the firm's creative direction. His energy, focus and talent for conceptualizing complex projects have contributed largely to the firm's reputation for design excellence. As a principal architect and designer, 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, and Chesapeake Energy's Eastern Regional Headquarters, as well as the Mardi Gras Casino Resort Hotel and 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 (AIA), a member of the West Virginia AIA Scholarship Committee, and 2010-2011 president for the West Virginia AIA.

Education

Bachelor of Architecture, The University of Tennessee 1996

Licenses & Certifications

WV, KY, OH, MD, PA, VA

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

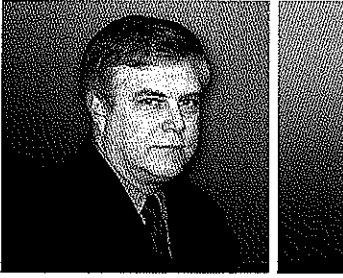
-2007 West Virginia Executive "Young Gun" Award-Winner

-2009 AIA WV Honor Award for Excellence in Architecture,

Chesapeake Energy Eastern Regional Headquarters

-2010 AIA WV Merit Award for Achievement in Architecture,

Bible Center Church



J. Blair Frier, AIA

Project Manager - Secondary Schools

Professional Bio

Blair has over thirty years' experience in a variety of project types including higher education, elementary and secondary education, recreation, and historic restoration. This diversity of work includes the design and management of projects from programming and scope development through completion of construction.

During his 28-years at SEM Architects (Beckley, WV & Columbus, OH) Mr. Frier acted as Project Architect and Manager on numerous educational projects throughout West Virginia and Ohio. During his years of professional experience, he has worked on educational projects in many School Systems. He also has extensive experience in cost estimating and developing project programs, schedules and budgets.

Mr. Frier served as Project Architect for several bond issue projects passed by Mercer County. Responsibilities included the development of two bid packages, including multiple renovation projects in each bid package. He was also responsible for consultant coordination and completed design work on several projects. He served in a similar capacity for Bond work completed for the Raleigh County Board of Education. In the role of Principal-in-Charge, he has completed work for the Roane County, Monongalia County, and Randolph County Boards of Education. In this role he was responsible for all contractual relationships with the County Board of Education. Responsibilities included negotiation and execution of all contracts both between the client and consultants, review and payment of all consultant invoices and liaison between the consultant and client. Recent experience includes work on Comprehensive Educational Facilities Plans in Marion, Mason and Raleigh Counties. He also served as Principal Architect for the renovation of Southwood Elementary School on Ohio. The \$11 million dollar renovation of this historic school originally constructed in 1896 features a major addition which includes media center, staff offices, gymnasium, cafeteria, and food service spaces.

Mr. Frier joined Silling Associates in 2010 providing project leadership specifically within the secondary school market.

Education

Bachelor of Architecture
Virginia Tech, 1976

Licenses & Certifications

West Virginia

Professional Affiliations

West Virginia Chapter of the American Institute of Architects-Past President and Committee Member; Historic Preservation Group, AIA

Awards & Recognition

Honor Award-Stewart Hall Restoration; Honor Award-Claggett House Restoration; Honor Award-Calloway Building Restoration

Notable Project Experience

*Sandy River Middle School
McDowell County, WV*

*Roane County High School
Spencer, WV*

*Cheat Lake Elementary School
Morgantown, WV*

*Trap Hill Middle School
Glen Daniel, WV*

*Mountainview Elementary School
Morgantown, WV*

*Elkins High School
Spencer, WV*

*Pikeview High School
Princeton, WV*

*College of Mineral & Energy Resources
West Virginia University
Morgantown, WV*

*Caperton Indoor Football Practice
Facility (Design/Build Package)
West Virginia University*

*Stewart Hall Restoration
West Virginia University
Morgantown, WV*

*Multi-Purpose Addition & Facility
Master Plan
WVU Parkersburg*

*Beckley Federal Correctional Institute
Beaver, WV*

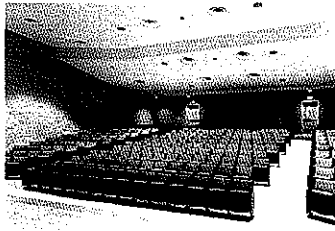
*Robert C. Byrd Federal Courthouse
& Federal Building
Beckley, WV*

*NRAO Visitor and Education Facility
Green Bank, WV*

*Canyon Rim Visitor Center
New River Gorge National River
Lansing, WV*



J. Blair Frier, AIA, Project Architect
Select Secondary School Experience



Pikeview High School
Princeton, WV



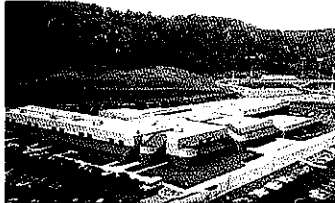
Cheat Lake Elementary School
Morgantown, WV



Trap Hill Middle School
Glen Daniel, WV



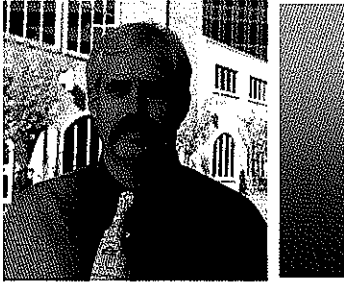
Mountainview Elementary School
Morgantown, WV



Roane County High School
Spencer, WV



Elkins High School
Spencer, WV



Sean Simon, AIA

Construction Period Service Manager

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

WV, MD, OH, VA, PA

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; Little Kanawha District Roundtable

Notable Project Experience

*Morgan County Courthouse
Berkeley Springs, WV*

*Raleigh County Judicial Center
Beckley, WV*

*Hampshire County WPA Annex
Romney, WV*

*Hampshire County Sheriff's Building
Romney, WV*

*Mardi Gras Casino Resort Hotel
Cross Lanes, WV*

*Anthony Correctional Center
White Sulphur Springs, WV*

*Huttonsville Correctional Work Camp
Huttonsville, WV*

*Martinsburg Correctional Center
Martinsburg, WV*

*Putnam County Courthouse
Winfield, WV*

*Hamblin Hall Boiler Replacement
West Virginia State University*

*Ferrell Hall Chiller Replacement
West Virginia State University*

*Sullivan Hall Elevator Replacement
West Virginia State University*

*Wyoming County Courthouse Annex
Pineville, WV*

*WV State Police Barracks and Dept. of
Motor Vehicles
Beckley, West Virginia*

*Summit Financial Headquarters
Moorefield, West Virginia*

*Mountain Medical Urgent Care
Moorefield, West Virginia*

*Baker/Mathais Fire Department
Baker, West Virginia*



Kim Ellis, Associate AIA

Interior Designer

Professional Bio

Kim Ellis joined Silling Associates in 2008 and brings a diverse experience within both the architectural and interior design industries. Upon completing her Interior Design Internship at the award-winning Dorothy Draper and Company in New York, Kim has enjoyed twelve years working within the architectural community.

She has provided extensive interior design, architectural production and coordination, construction administration, and architectural team training services. In addition, Kim's previous professional experience includes code research for various restaurant, retail, petroleum, educational, and business projects in many jurisdictions across the United States, as well as local building, electrical, plumbing, mechanical, fire, and ADA accessibility guidelines.

Education

Bachelor of Interior Design

Minor: Fine Arts, Carney Varney Department of Art and Design

University of Charleston, 1997

Previous Experience

Dorothy Draper and Company—New York NY (1996)

Interior Design Intern

Shremshock Architects—Columbus, OH (1997-1999)

Interior Designer

WD Partners—Columbus, OH (1999-2004)

Architectural Project Leader and Team Trainer

ZMM, Inc.—Charleston, WV (2004-2008)

Interior Designer/Architectural Technician

Professional Affiliations

American Institute of Architects - WV Chapter (AIAWV)

Civic Affiliations

Vice-President, Fort Hill Child Development Center Parent Advisory Council; Member-Holtz Elementary School PTO; Parent Volunteer-Holz Elementary School Yearbook; Volunteer-Chandler Elementary School Reading Tutor Program

Notable Project Experience:

*Allegany County District Court
Cumberland, MD*

*Morgan County Courthouse
Berkeley Springs, WV*

*Raleigh County Courthouse
Beckley, WV*

*Moses Residence
Barboursville, WV*

*WV Supreme Court of Appeals
Charleston, WV*

*Tri-State Casino and Hotel
Cross Lanes, WV*

*Hacker Valley Pre-K – 8 School
Webster County, WV*

*New River Elementary
Fayette County, WV*

*Mountaineer Middle School
Harrison County, WV*

*Southside Elementary
Cabell County, WV*

*Huntington Middle School
Cabell County, WV*

*The Boulevard at 2412
Charleston, WV*

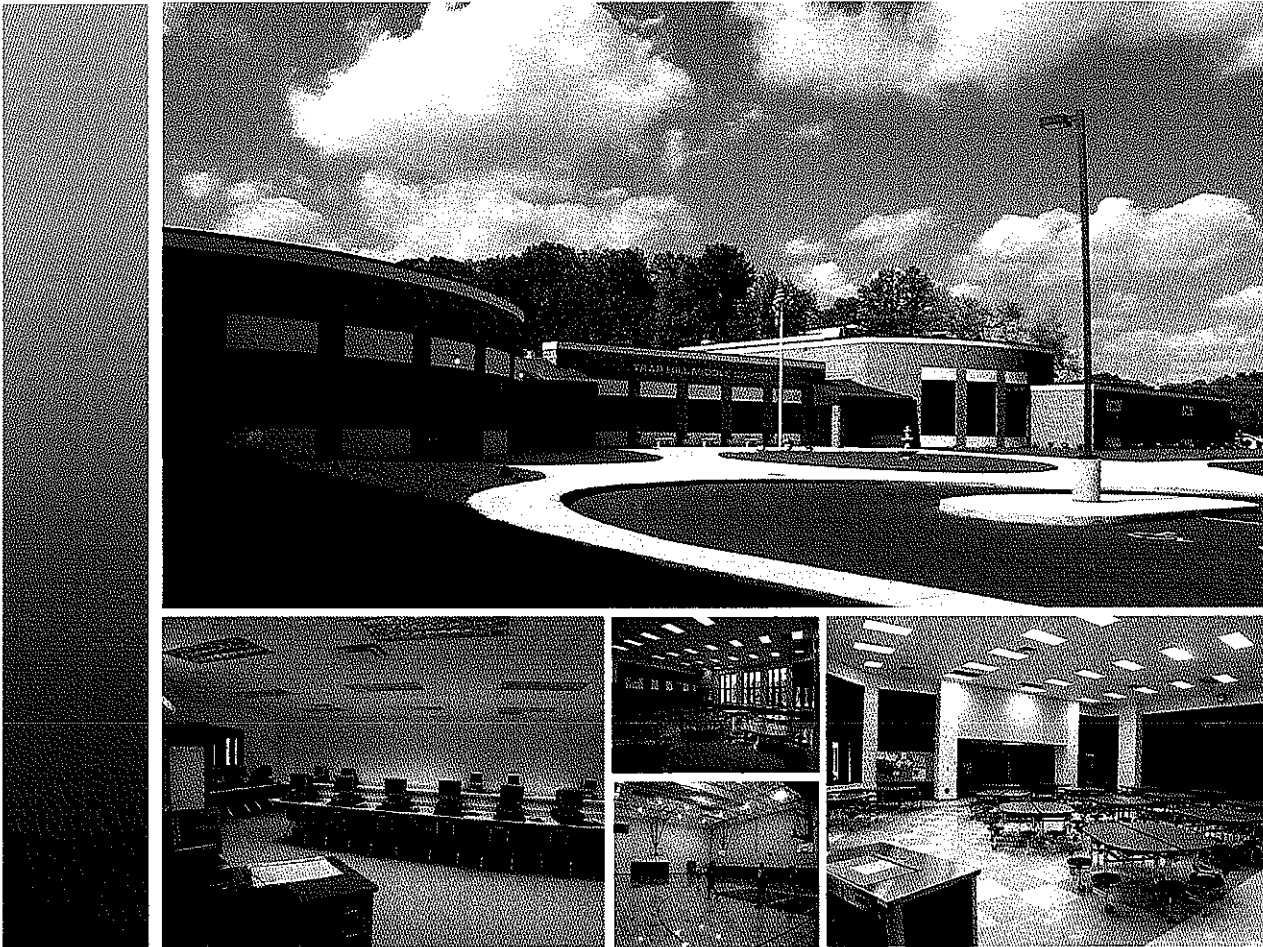
*Bob Evans Restaurants
National Locations*

*Perkins Restaurants
National Locations*

*The Home Depot
National Locations*

*BP Oil
National Locations*

*Exxon Mobil
National Locations*



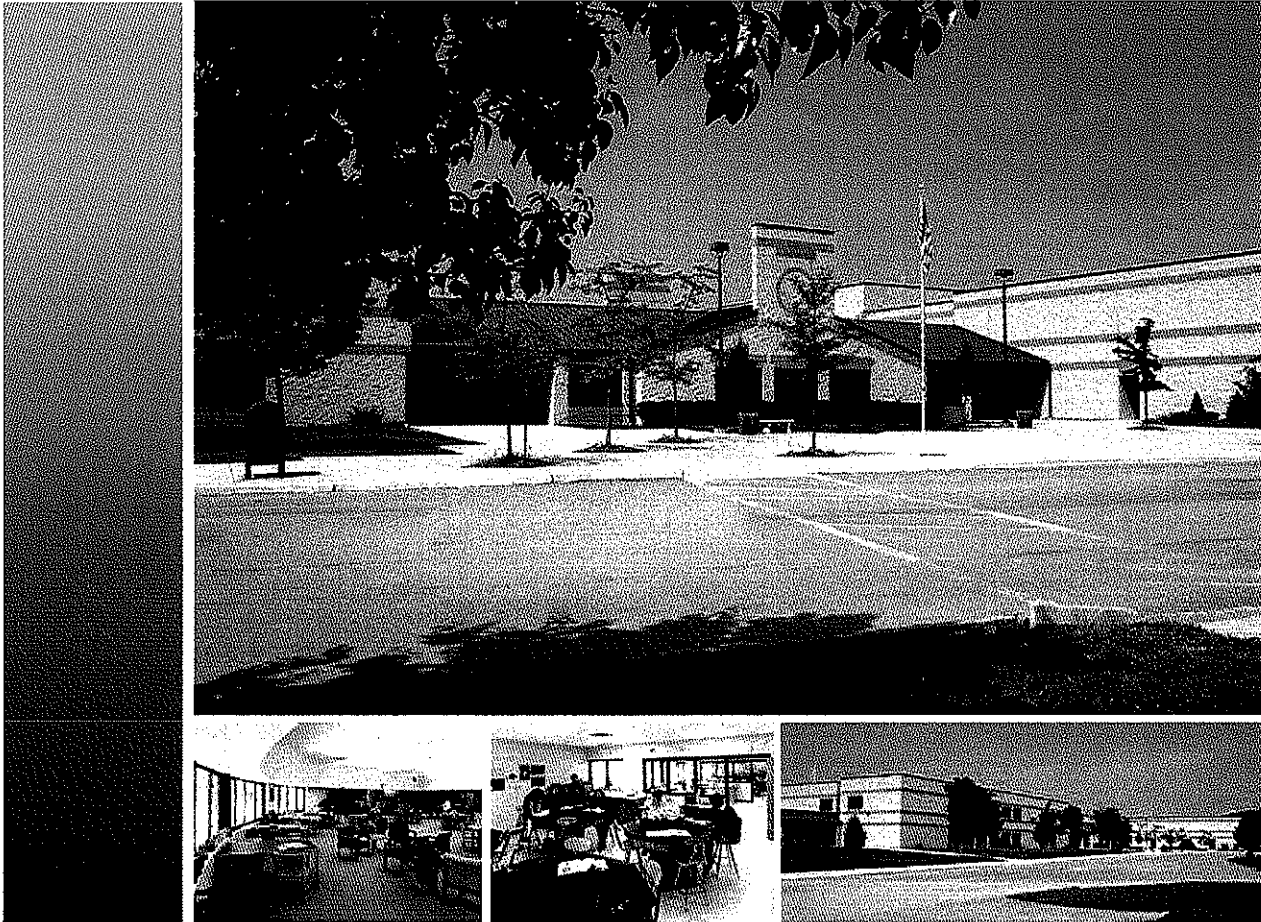
Trap Hill Middle School

Glen Daniels, West Virginia

Trap Hill Middle School was designed as a consolidated replacement for two very outdated buildings on across the street from the local High School for ease of access and sharing facilities. Site topography dictated that service and bus access be maintained from one corner of the site only. Decorative screen walls and separate car and bus drop off loops were provided with a common entry plan. Three class wings with teacher planning/preparation and grade level lockers maintain separation between the grade/age levels.

Shared curriculum such as science, computer, and media/library are centralized, as is Technology Education, Life Skills, Visual Arts and Music Arts. Community use includes access to a large group 60-seat room, and the community library/media center. The gymnasium and cafeteria/food service areas are also arranged for after hours use as a "community center", easily secured from the rest of the building yet allowing public access to these spaces. The administrative suite is centrally located adjacent to the primary entrances, allowing active security and monitoring of the entry plazas, entrances and primary corridors.

** Complies with West Virginia State Board of Education Policy 6200, Handbook on Planning School Facilities*



Elkins High School

Elkins, West Virginia

This new facility consolidates two outdated schools, providing expanded space and programs in state-of-the-art facilities within a very tight State-funded budget. The high school is aligned directly adjacent to the Vocational-Technical Center and connected with a glass enclosed ramped walkway for good handicapped accessibility. The building massing at the entry is a mirror image of the Vo-Tech Center to promote a sense of shared support and joint entry at this common bus loading / parking area. Sloping metal roofs help define the entry and assist in architecturally relating to the existing building. The courtyard is oriented east-west to maximize solar orientation and is surrounded by lower sloped metal roofs on three sides to provide better sight lines during assembly and to better delineate this large outdoor space. The semicircular Media Center is designed as a feature in the courtyard to emphasize its importance to the learning environment. It provides excellent north oriented views. The academic wing forms the south side of the courtyard and is clustered adjacent to the Media Center for ease of student use. East-west siting maximizes solar orientation for energy conservation, providing south exposure for the biology greenhouses and north orientation for the Media Center and Art Studios. Retractable walls between every two classrooms accommodates changeable class sizes. In addition, a large-group instructional room seats up to 118 in a lecture setting. Flexibility is also addressed in locating the auxiliary gymnasium adjacent and open to the main gymnasium, offering space for portable overflow bleacher seating in this Campus-style High School.

** Complies with West Virginia State Board of Education Policy 6200, Handbook on Planning School Facilities*

Previous Project Experience: J. Blair Frier, AIA

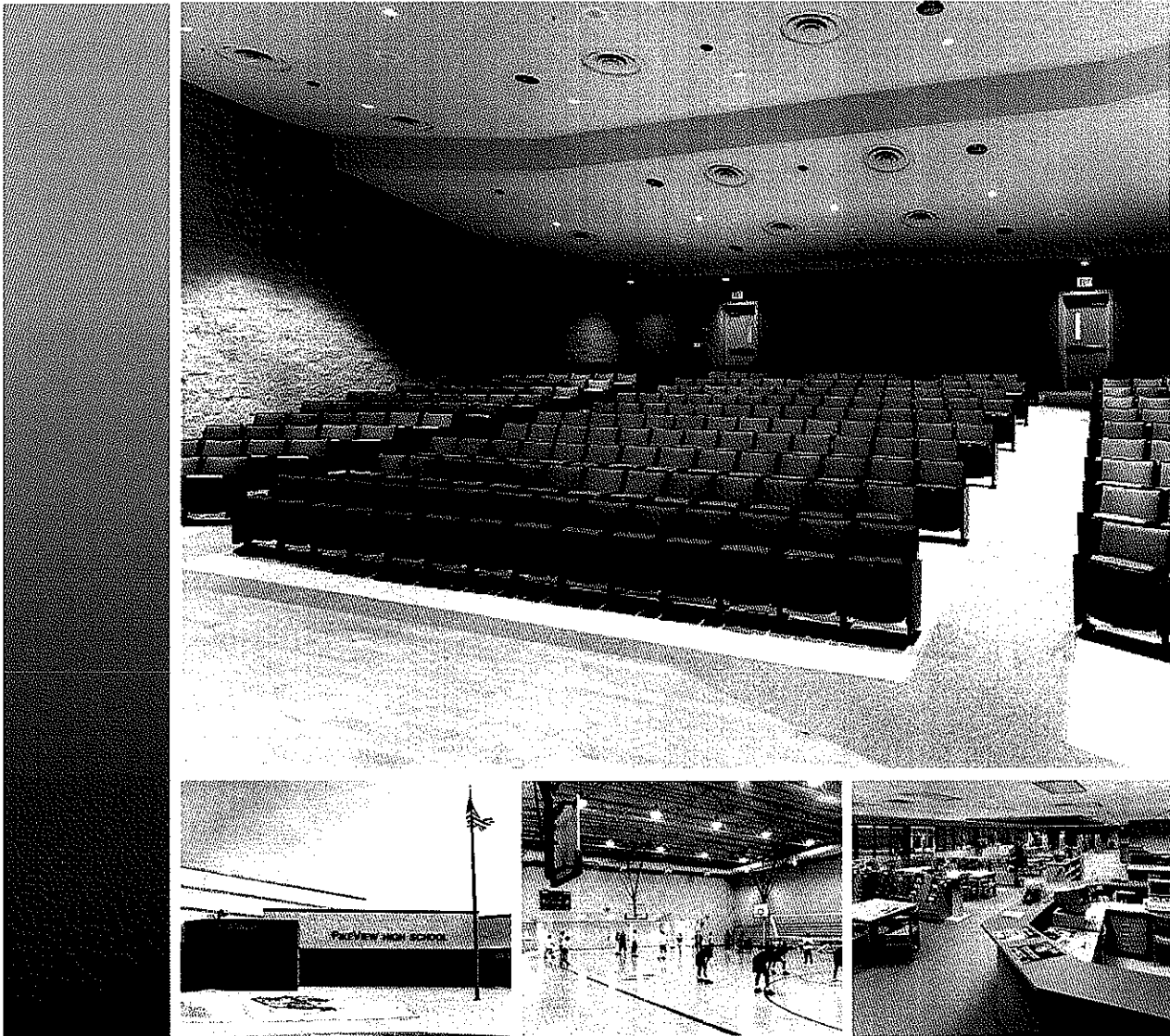


Cheat Lake Elementary School

Morgantown, West Virginia

This new facility addition and renovation overcomes site challenges with a state-of-the-art K-5 educational facility serving students in Monongalia County. The construction materials of naturally colored brick, exterior clad wood windows, and sloping roofs scale the building with its environs and create a warm, friendly environment for the students.

** Complies with West Virginia State Board of Education Policy 6200, Handbook on Planning School Facilities*

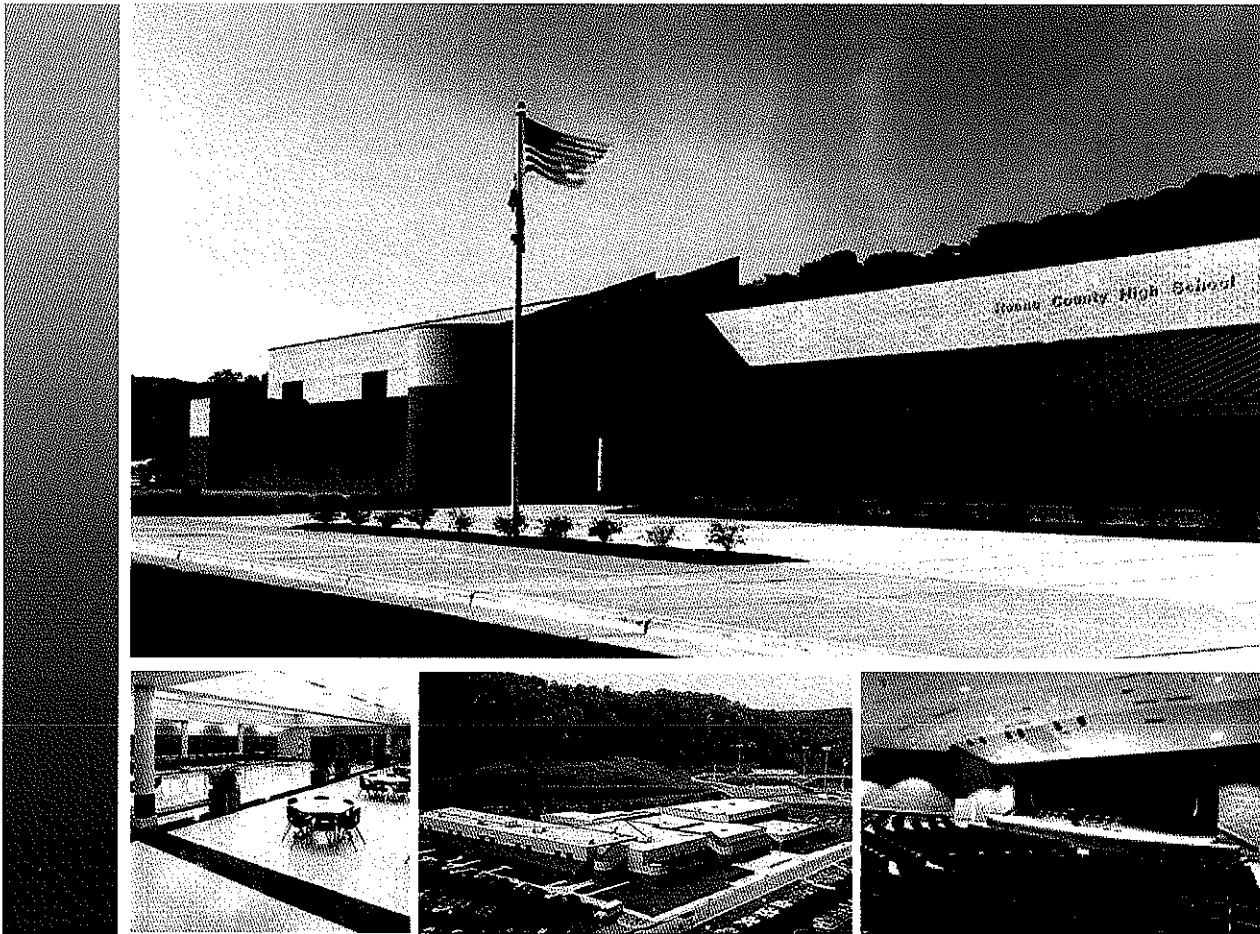


Pikeview High School

Princeton, West Virginia

This new facility is part of an extensive statewide school construction program designed to fund and construct new learning environments for students of West Virginia. On a very tight budget, the project consolidated four existing high schools to provide expanded space and programs in state-of-the-art facilities. PikeView High School was constructed on a 150-acre site adjacent to Interstate 77. Much thought went into the design of PikeView High School. One objective was to locate as many classrooms as possible on exterior walls for natural light and a good view of the outdoors. In addition, student circulation patterns were considered to separate quiet and noisy learning areas and public and service entrances. The Media Center is centralized for efficient access to the academic area and the administration area is strategically located to provide good views of major student gathering areas: the entrance, cafeteria/commons, gymnasium, and auditorium.

** Complies with West Virginia State Board of Education Policy 6200, Handbook on Planning School Facilities*

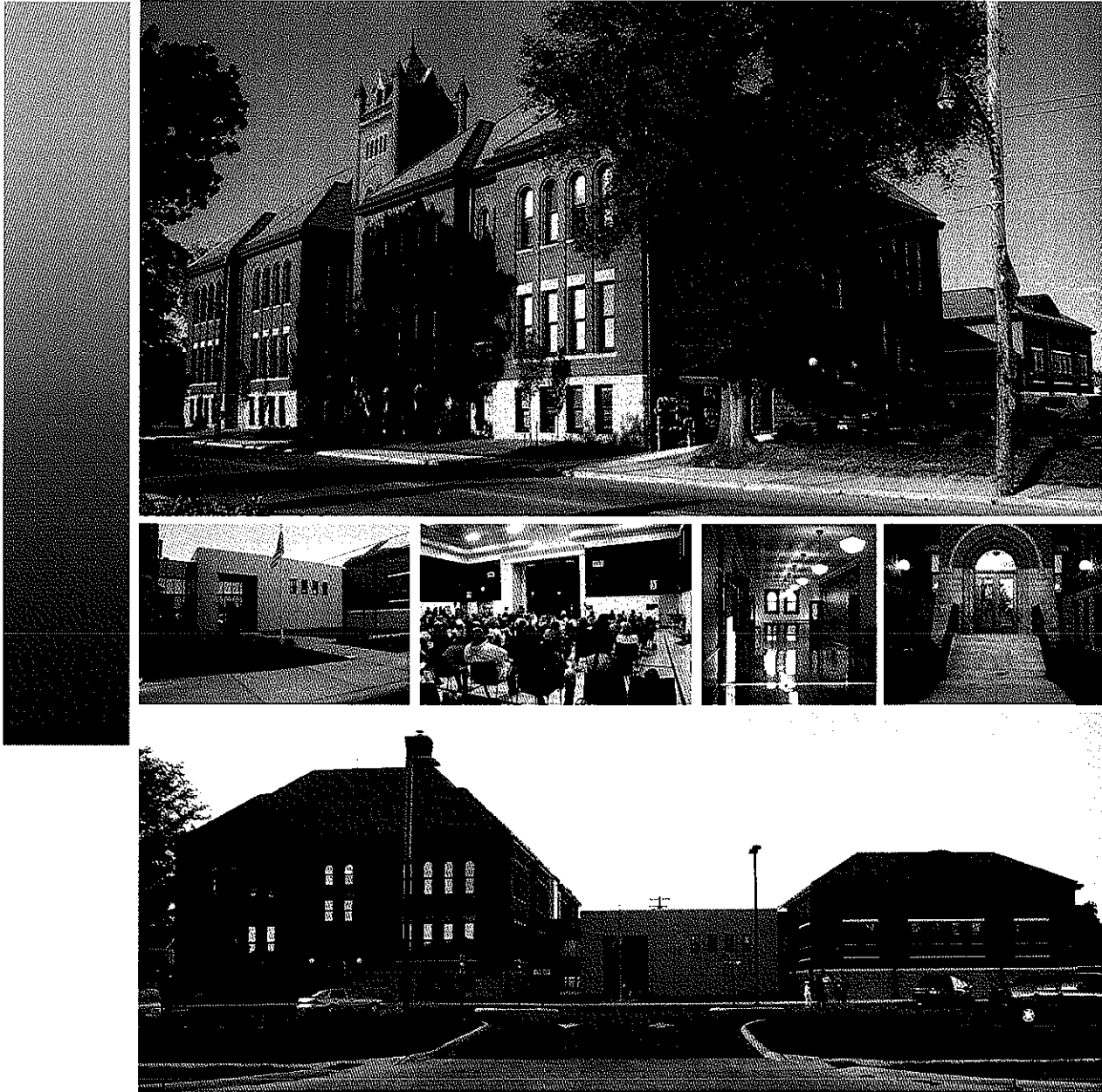


Roane County High School

Spencer, West Virginia

This new facility is part of an extensive statewide school construction program, housing grades 9-12 and consolidating two existing high schools. Located in a mountainous rural county, the site required extensive earthwork in creating a bench in the mountainside to situate the facilities. The building design is an L-shape floor layout conforming to the man-made bench. The facility separates the high-activity event spaces from the low-activity academic classroom spaces. The separation is created by the building's central commons/cafeteria space which serves multiple functions. The space provides views of the surrounding mountainsides through large expanses of glass and serves as an assembly and dining area. The commons area, which is easily closed off from the academic areas of the building, also serves as an assembly area for theater productions, basketball games, and school functions. The science lab areas are located on the lower floor for grade level access. These labs have large continuous expanses of glass, bringing in the exterior environment. The majority of the academic classrooms and media center are placed on the upper level for sound isolation. The facility is equipped with technology in computer networking, video retrieval, and satellite linkage to each classroom.

** Complies with West Virginia State Board of Education Policy 6200, Handbook on Planning School Facilities*

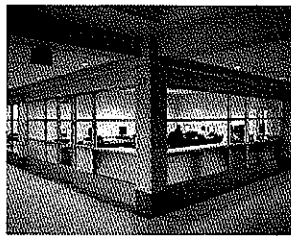
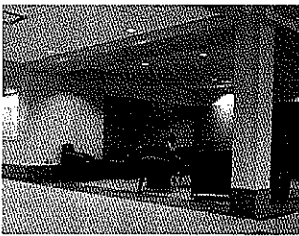


Southwood Elementary School Addition & Renovation

Columbus, Ohio

The three-story Southwood Elementary School was built in 1894-1896 and has been in continuous use since then on a small site in an urban setting. Community ties to this original neighborhood School required its renovation. Mr. Frier worked with the Ohio School Facilities Commission to accomplish this need within stringent budget requirements. The project's design included a new 13,000 square foot addition under sanction of the Columbus Historic Resources Commission that harmonizes with the original building and provides a new cafetorium and kitchen. The existing school is totally renovated (42,900 sf) with new systems and technology within the historic framework. A new entry lobby serves as the transition hyphen between old and new sections and offer access to a new elevator serving all levels of the building. As part of the project, the nearly 112-year-old school received new HVAC, plumbing, lighting, fire suppression, and ADA access. Crucial life safety equipment and systems were also upgraded. Equipping the school for technology and providing new finishes and furnishings for the historic school completes the improvement

** Columbus Register of Historic Buildings*



Project Size: 46,000 gsf

Project Type: Additions & Renovations

Project Status: Completed in 2005

Contact: Bryce Casto, VP of Student Affairs, West Virginia State University, 304.766.3000

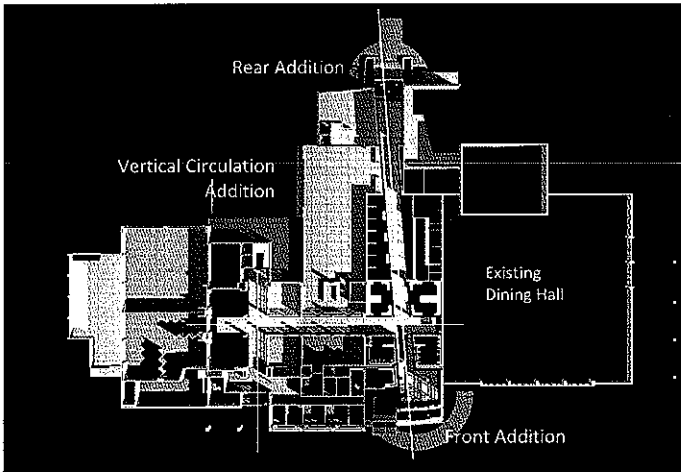
James C. Wilson Student Union

West Virginia State University

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 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.



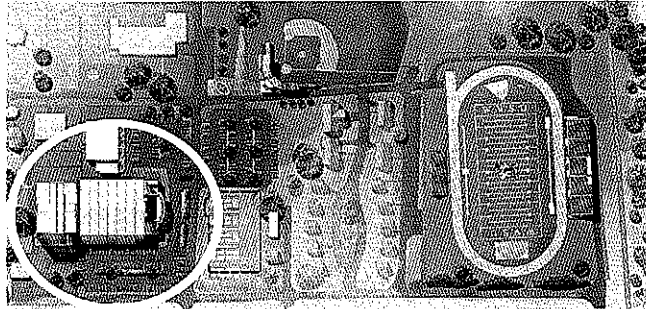


Project Size: Approx. 70,000 gsf

Project Type: New Construction & Renovations

Project Status: Design Phase

Contact: Bryce Casto, VP of Student Affairs, West Virginia State University, 304.766.3000

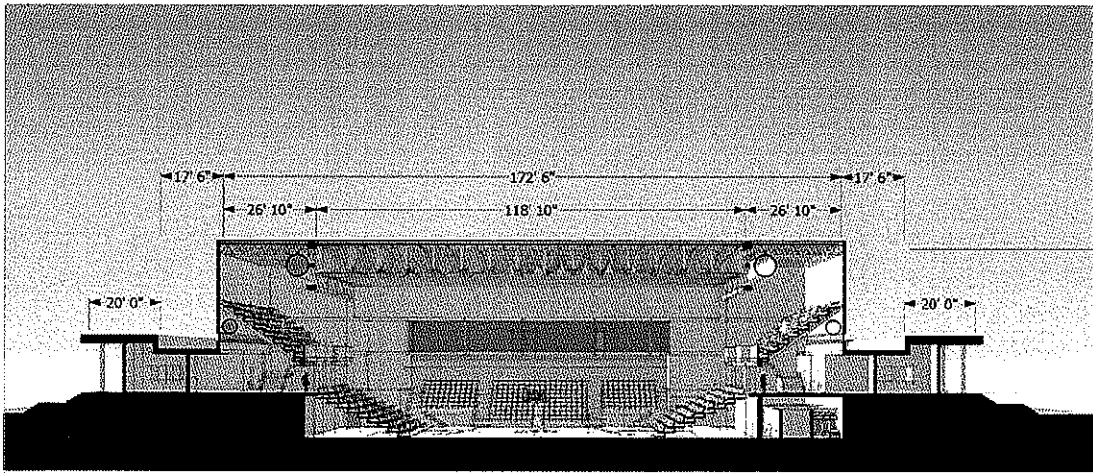


WVSU New Athletic, Academic, & Convocation Center

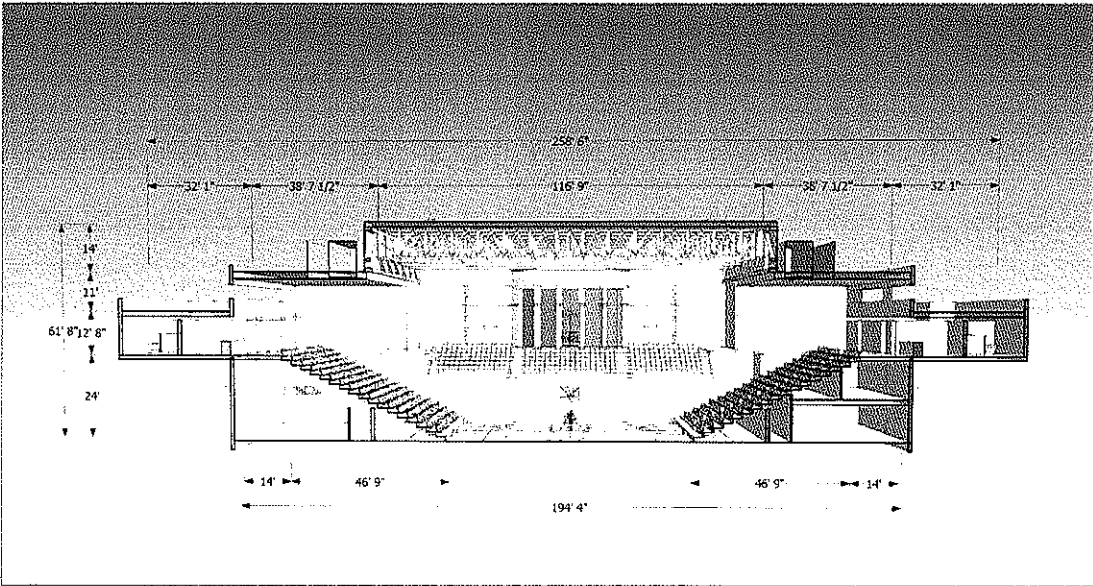
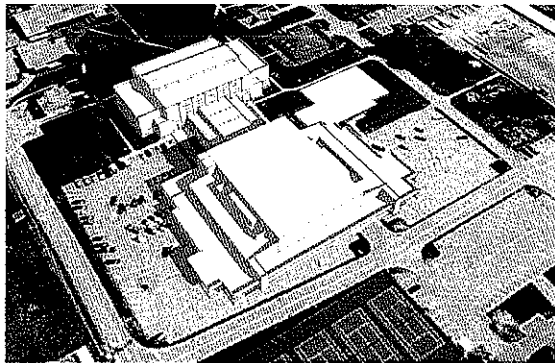
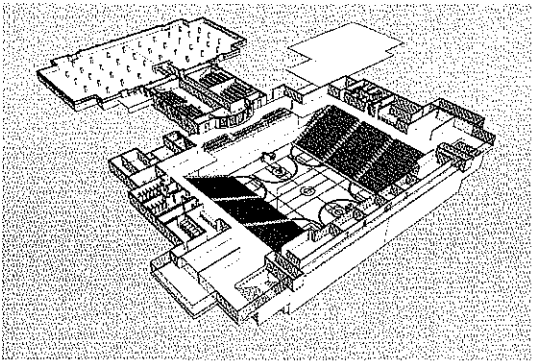
West Virginia State University

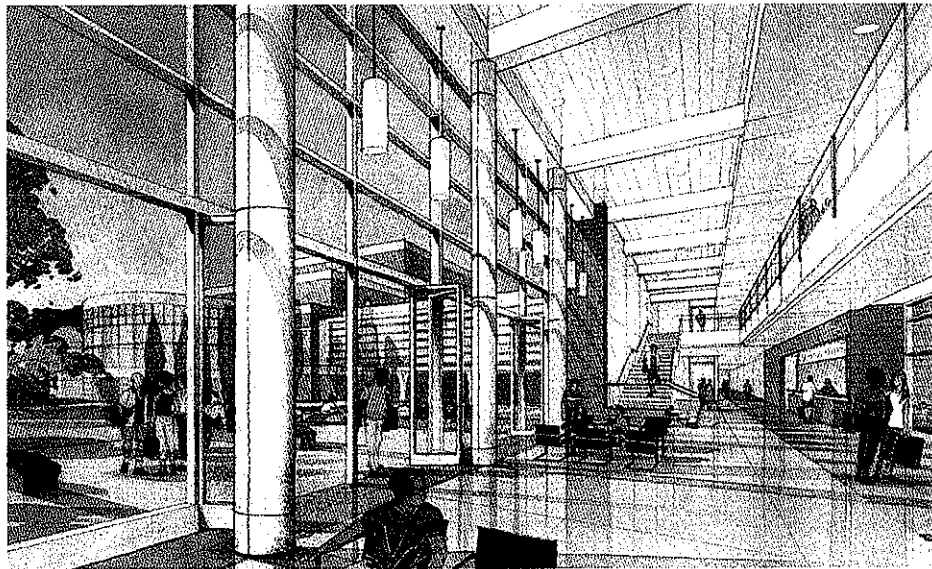
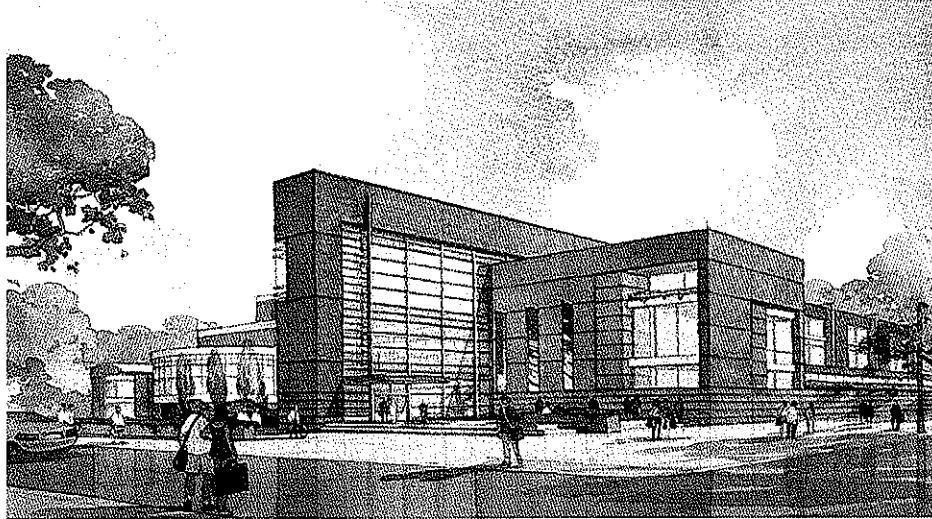
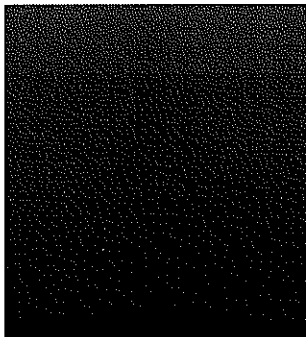
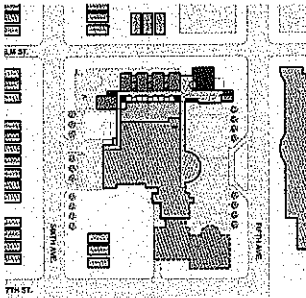
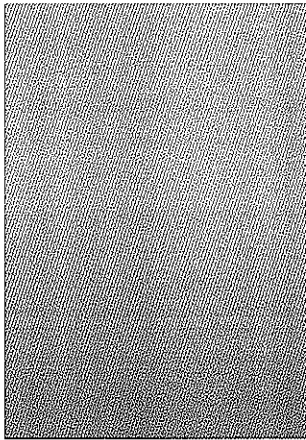
Silling Associates was commissioned by West Virginia State University to design a new, 2,500-seat athletic arena addition and renovations to the older, existing sports and academic complex (Fleming Hall). The design concept remains sympathetic to the existing campus architecture while providing a modern, state-of-the-art facility to support multi-purpose functions including a focus on academic needs of general studies, health and human performance, multi-purpose science labs for the exercise sciences, and leisure studies curriculums. The various types of spaces in the addition will include a large space addressing convocation, student body and alumni gatherings, and athletic competition and performances, as well as flexible general classroom spaces. Again, required technology, building security, and access control will be addressed in the new addition.

Renovations to Fleming Hall totaling 34,026 sf will support academic classroom and studio space for general studies, health and human performance, and leisure studies curriculum. Renovations will also address new administrative and faculty support space related to academic function of new programs. Existing athletic competition space renovations will also address academic curriculum of leisure studies as well as address student activities and wellness needs of the student body. In addition to obvious building and life safety Code upgrades, ADA compliance, technology, and building security issues will be incorporated into the designed renovations. In addition, several campus infrastructure items will be addressed in the project, including: pool house demolition, elevator addition, site and parking improvements, domestic and fire water entrance, sanitary and storm water piping improvements, steam service entrance, new electrical service distribution, relocation of site electrical equipment, and new emergency power generator equipment.



149' 1"
NEW CONVOCATION CENTER





Project Size: 35,000 gsf

Project Type: Addition

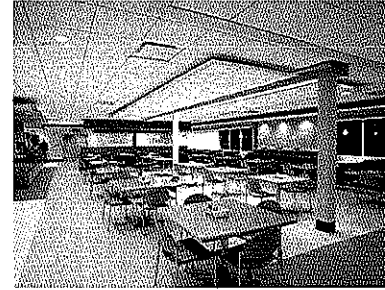
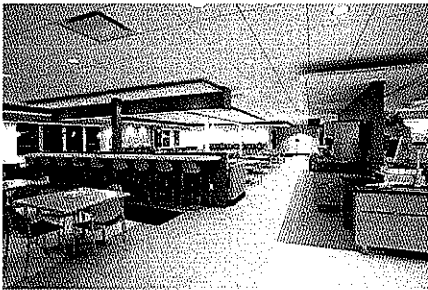
Project Status: Awaiting Funding

Contact: Dean Donald Van Horn, Marshall University,
304.696.2964

Visual Arts & Academic Center

Marshall University

The team of Silling Associates and Polshek Partnership was selected to plan, program, and design a new, 35,000 square foot addition to the existing 1992 Edwards Performing Arts Center. With the scattering of the University's arts facilities across the campus, the new Visual Arts Center would bring all of the department's arts, academic, faculty, and administration under one roof. Elements which will impact the design solution include formal axis, adjacent building scale and fabric, pedestrian and vehicular traffic, building entrances, open plazas, views, parking, and service accessibility. Art "process" in the classroom is oriented toward the vein of student procession back and forth from the residential district to the campus center. Production, in both studios and display galleries, are focused on major public plazas and urban corners.



Project Size: 30,198 gsf

Project Type: Renovations

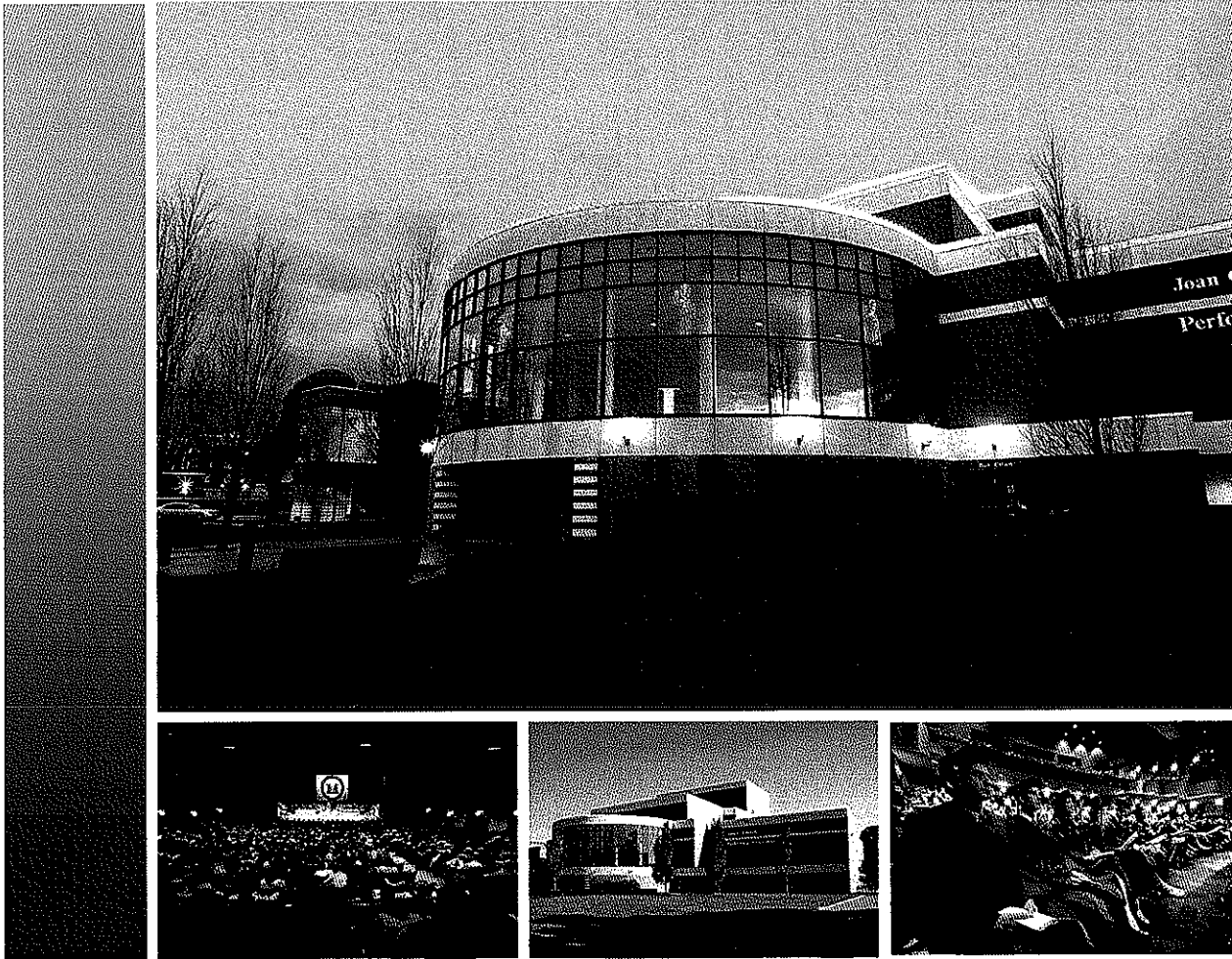
Project Status: Completed in 2007

Contact: Rob Moyer, Facilities Director, West Virginia University, 304.293.2873

West Virginia University Tech Center Renovation

Montgomery, West Virginia

The WVU Tech Center is a 4-story Student Union, built in 1962 with approximately 30,198 GSF. The building's functionally obsolete design, exterior and interior appearance, and overall building condition failed to meet the demands and needs of today's modern college student. Silling Associates was commissioned by West Virginia University for this \$2.7 million renovation and modernization project that included a new and expanded kitchen and food service component, an expanded dining area featuring the addition of a cantilevered seating area overlooking the first floor commons/assembly area, new interior finishes, elevator, complete HVAC, electrical, and fire/life safety improvements, and ADA design. The expectations for the new food court include a state-of-the-art design with an upscale appearance, complete with some degree of flexibility. A controlled serving area is required, as participants will utilize one of the various meal plans or cash for payment. The new dining area will seat approximately 200 people, with a separate private dining area for another 50 people.



Size: N/A

Project Type: Renovations

Project Status: Completion in 2011

Contact: Ron May, Director of Facilities, Marshall University,
p 304.696.2585

Joan C. Edwards Performing Arts Center HVAC Replacement
Marshall University

The existing Joan C. Edwards Performing Arts Center at Marshall University required a major overhaul of its HVAC and related systems due to age, obsolescence, and lack of proper function. Building humidity levels and the lack of an air conditioning system for the performance stage were also primary concerns.

The project design provides for the replacement of the existing cooling towers and chillers, implementation of an area way to allow access to the mechanical room, dehumidification capability for two primary air handling units, and the installation of an air conditioning system for the existing performance stage.



Project Size: N/A

Project Type: Renovations

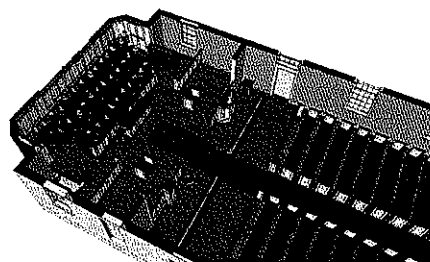
Project Status: ADA Project Completed in 2005
Window Replacement, Construction in 2011

Contact: Rodney Cox, County Commissioner, 304.927.0078

**Roane County Courthouse - ADA Restroom Renovations
& Exterior Window Replacement**

Spencer, West Virginia

Silling Associates has served the Roane County Commission on several improvement projects at the County Courthouse over the last five years. Completed in 2005, Silling designed ADA-compliant renovations to restrooms. The exterior window replacement, funded through a federal energy efficiency improvement grant, is slated for construction and completion in 2011.



Project Size: 18,300 gsf

Project Type: Additions & Renovation

Project Status: Design Concept Complete

Contact: Richard Rowe, 304.346.7000

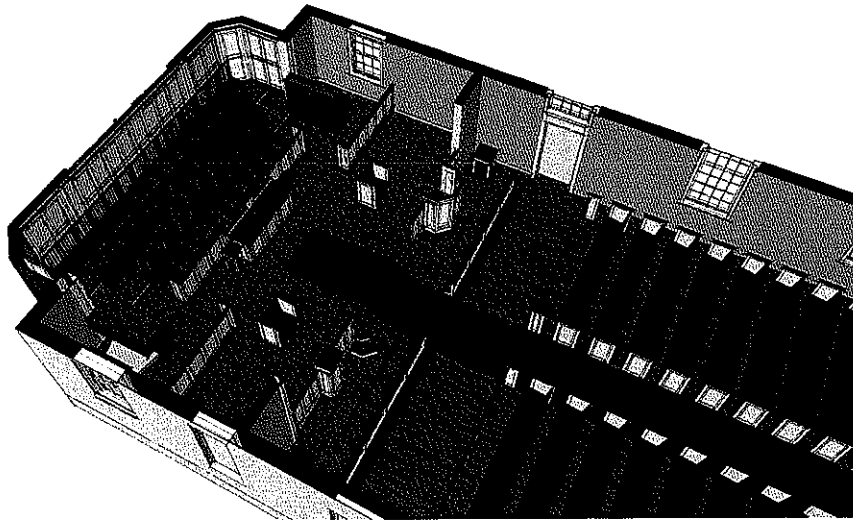
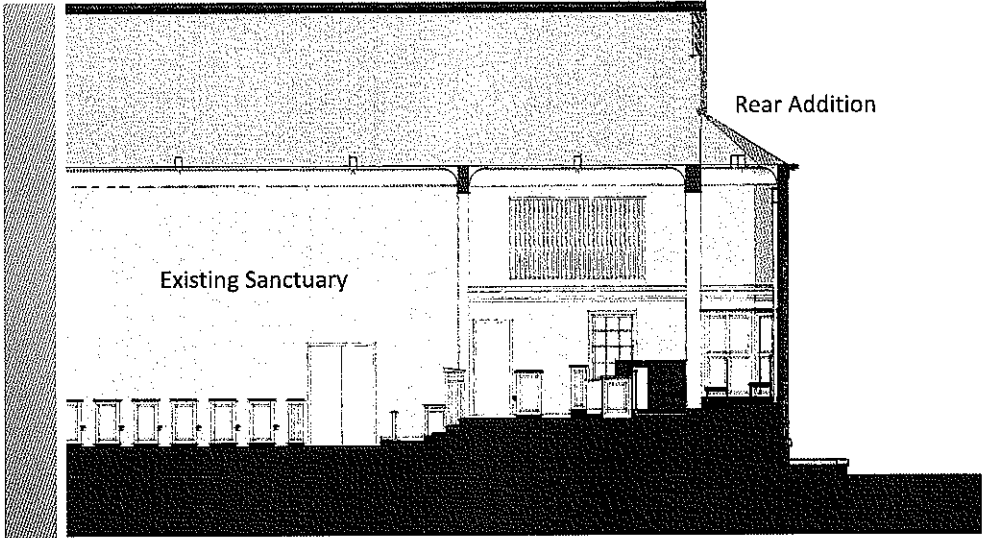
Epworth United Methodist Church - Sanctuary Expansion

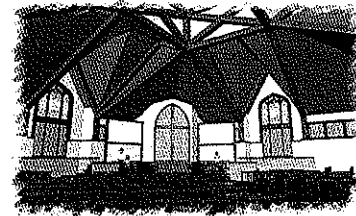
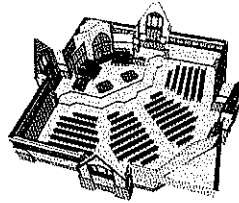
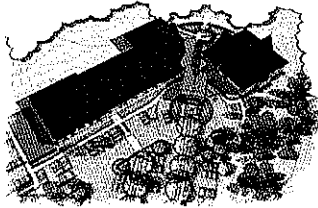
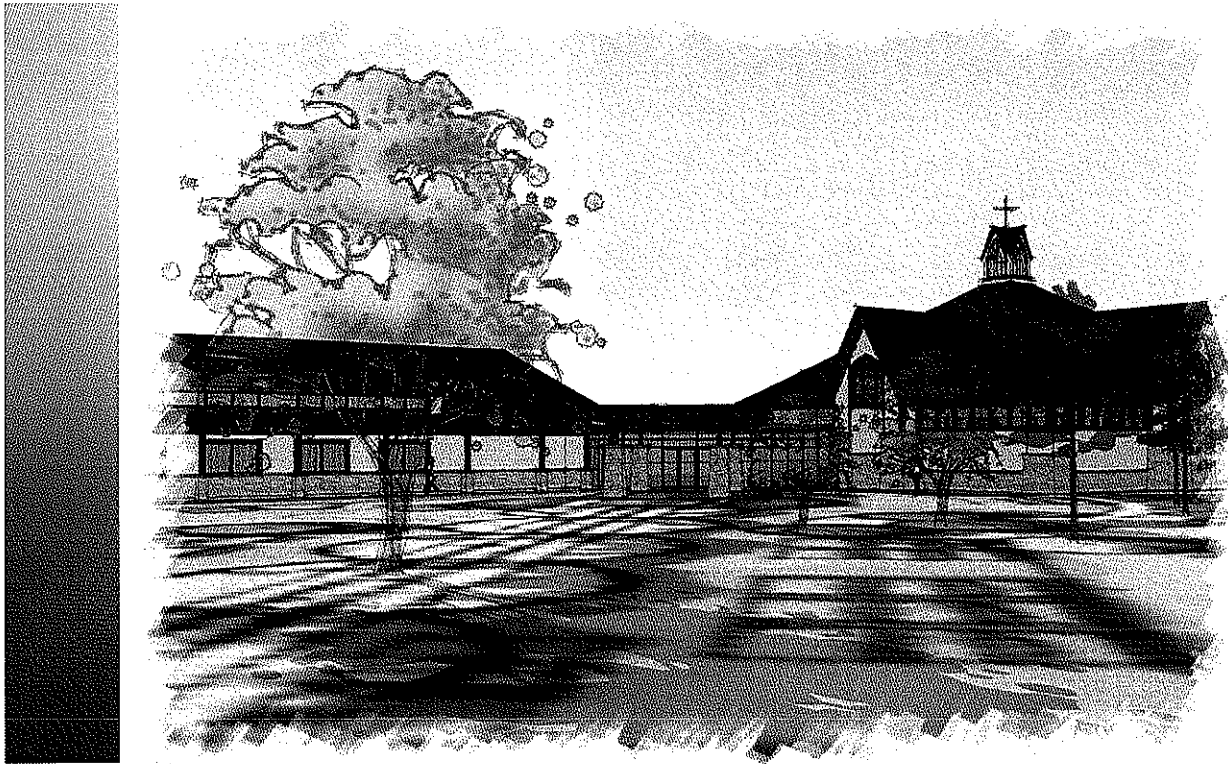
Ripley, West Virginia

Epworth UMC commissioned Silling Associates to provide design services involving the reorganization of the sanctuary chancel area. The current split chancel choir seating arrangement and location of piano and organ instruments are modified to place the choir on-center in alignment with

the main axis of the worship space and face the congregation. Seating for the choir will accommodate 24 members for typical services with space for up to 40 members for special musical presentations. Other planning elements considered included: Arrangement of choir seats, risers, lines of sight, and acoustic performance; Location of altar table and central cross; Location of piano, organ, and organ speaker chambers; Locations of pulpit and lectern; Location and configuration of communion rail and access to chancel from main worship space; Accommodation of contemporary praise band members and instruments; Accommodation of video projection equipment and screens to serve both congregational participants and occupants of the chancel area; General circulation between the first row of pews and the communion rail; Potential modification of the built "proscenium," including side walls and ceiling bulkhead, separating the sanctuary seating from the chancel space.

The architectural character of the existing sanctuary is honored, and modifications to the chancel area is in keeping with the design and detailing of the historic structure.





Project Size: 18,300 gsf

Project Type: New Construction

Project Status: Awaiting Funding

Contact: Joe Wilson, 304.927.3001

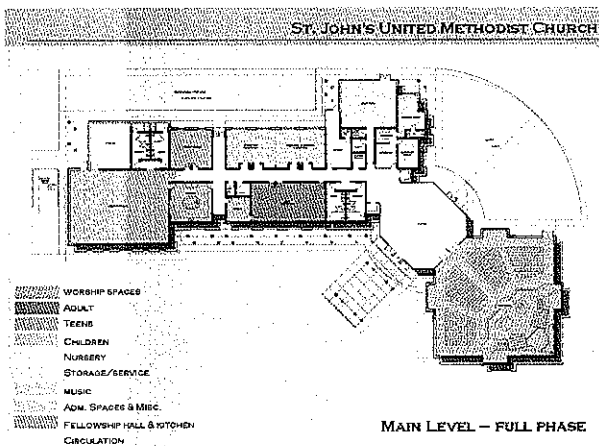
St. John's United Methodist Church

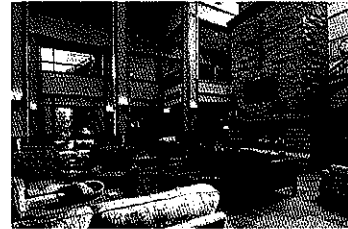
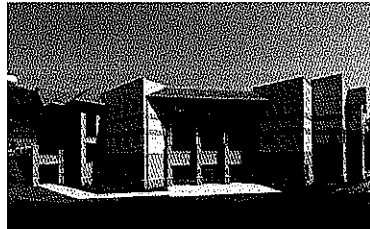
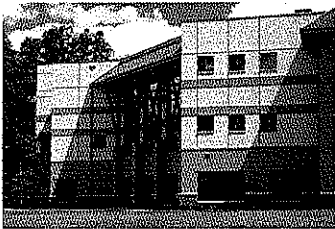
Ripley, West Virginia

The St. John's United Methodist Church project involves the comprehensive programming, campus master planning, and a new worship center design to be located in Spencer, WV. Within the last five years, the church purchased approximately 260 acres of land featuring an abundance of wooded views, opportunities for walking trails and recreation fields, and future expansion options.

The new worship center will include a 236-seat sanctuary, narthex, adult, teen and youth classrooms, children's nursery, fellowship hall, kitchen, music suite, children's theatre, storage, and church administration. A new 4,400 square foot recreational gymnasium is planned in Phase II.

Site amenities include a covered vehicular drop-off area, 139-space parking lot, landscaping, and outdoor children's play area.





Project Size: 60,000 gsf

Project Type: New Construction

Project Status: Completed in 2008

Contact: Lee Walker, Bible Center Church, p 304.346.0431

Bible Center Church

Charleston, West Virginia

Come. Live. Grow. 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.

2010 AIA WV Merit Award for Achievement in Architecture

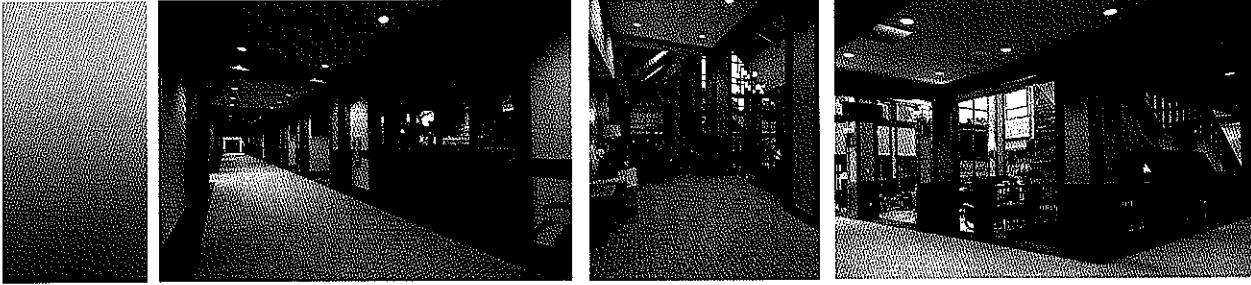


Entry and way-finding is marked very strongly through the development of the lobby, or "Gathering Space" of Phase 1. The architectural detailing of this space, as well as its entrance canopy, works to establish the posture of the building's character and convey the ministry attitude of Bible Center. 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.

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.



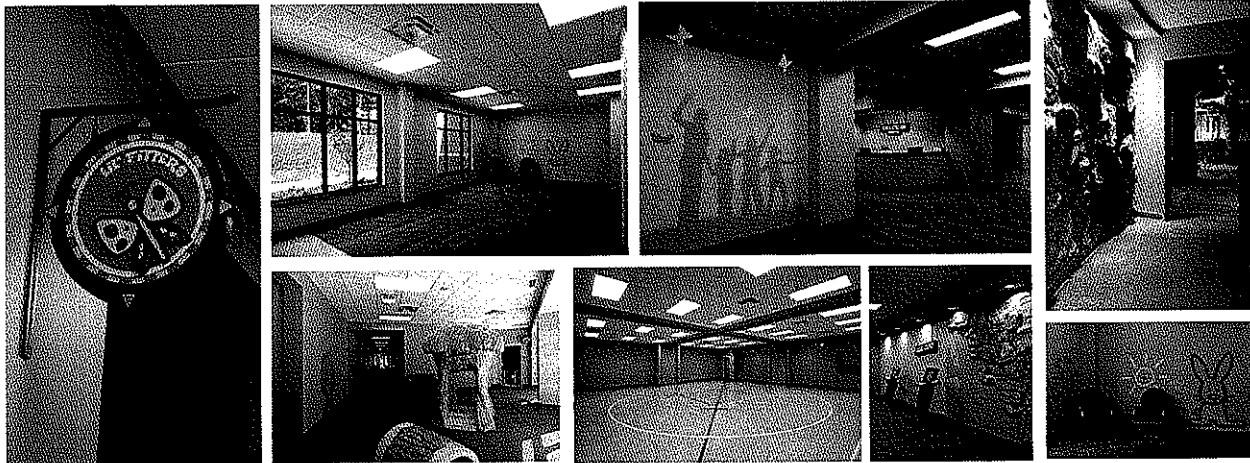
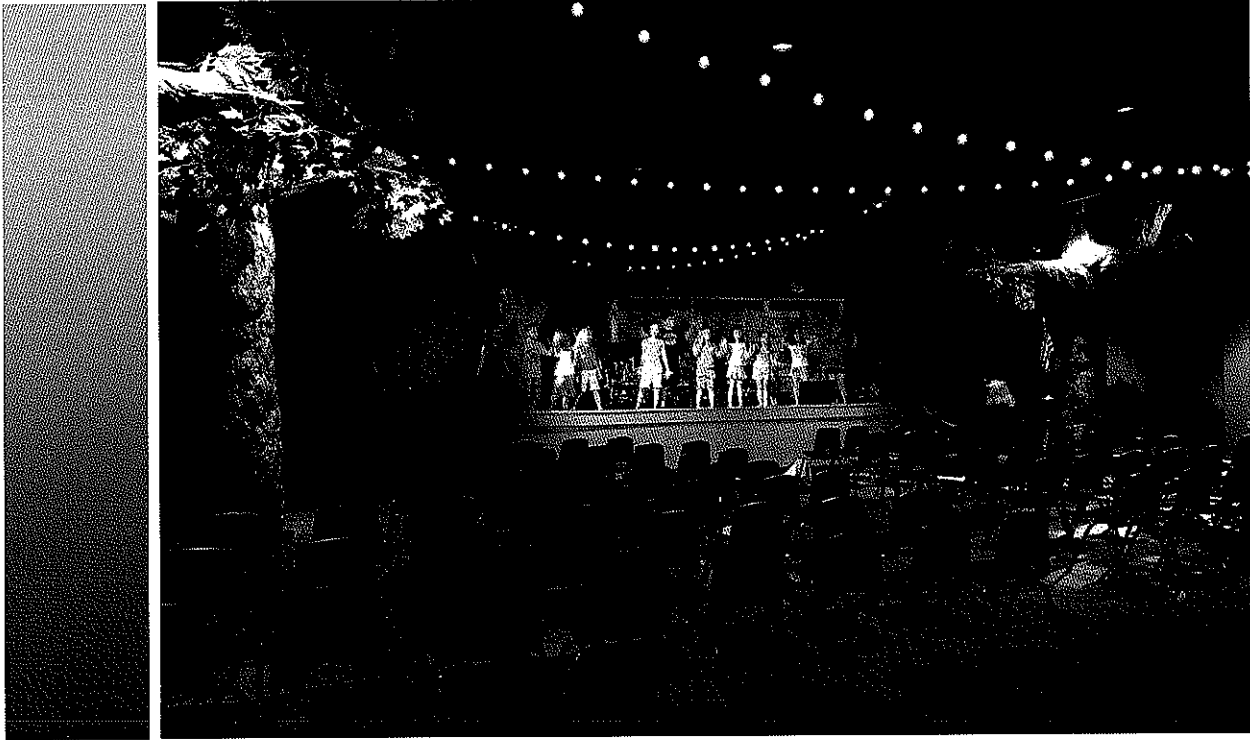
2010 AIA WV Merit Award for Achievement in Architecture



The 67,000 square foot facility is organized along a strong, simple main street corridor at all three building levels, passing through the Gathering Space and connected to the grand stair. Way-finding is simplified, and intuitive expansion opportunities are consciously integrated into the plan. Phase 2 of the campus master plan includes relocation of the administration, counseling center, recreation space, and all school functions. Phase 3 of the plan incorporates a more formal 2,500 seat Sanctuary, an intimate 300 seat Chapel, and greatly expanded children and youth worship spaces. Completed in April of 2008, the first phase of master plan development carried a total construction budget of \$17,000,000 and utilizes heavy timber wood trusses, convention steel framing, dry-stack stone veneer, brick, EIFS, and high performance glazing in curtain and storefront window systems.

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.





Project Size: 60,000 gsf total

Project Type: New Construction

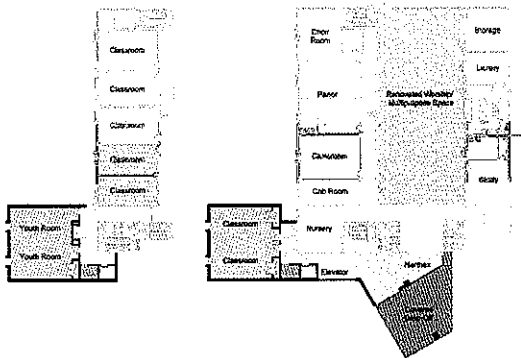
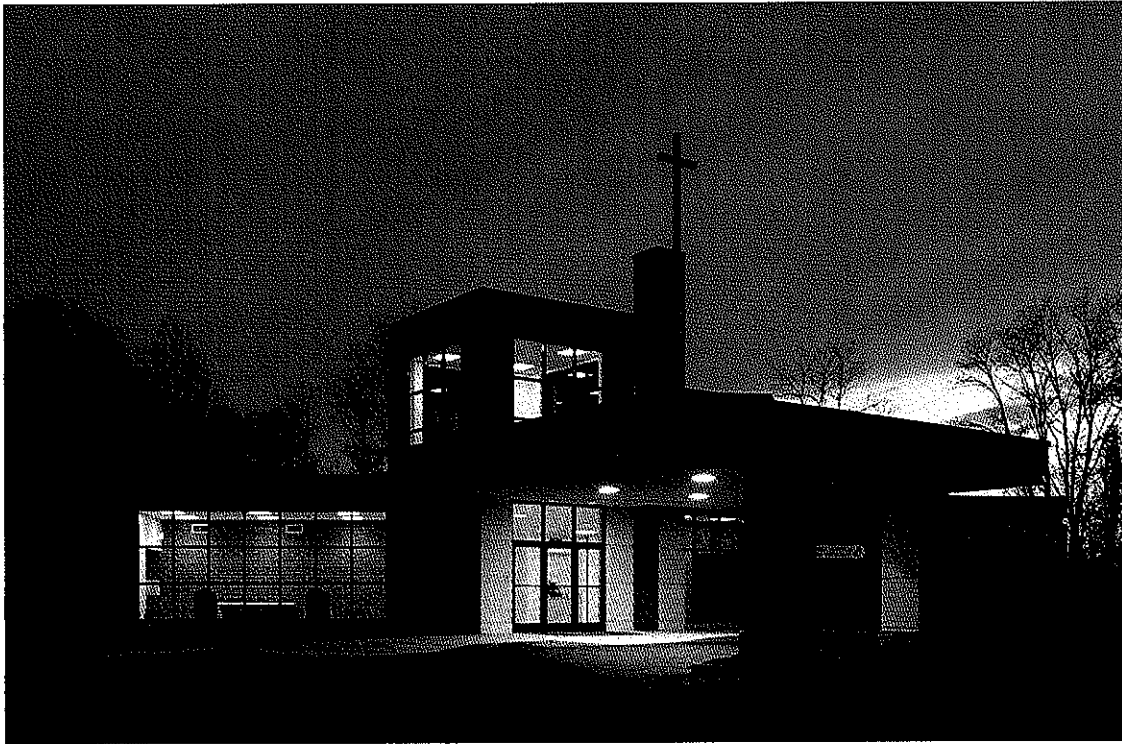
Project Status: Completed in 2008

Contact: Lee Walker, Bible Center Church, p 304.346.0431

Bible Center Church Daycare & Pre-School Center

Charleston, West Virginia

The award-winning Bible Center Church project included modern childcare and pre-school facilities within the 60,000 worship and educational center. This "Outfitter's-themed" program included various pre-school, nursery, and multipurpose educational, childcare, and recreational spaces, including a dynamic children's theatre located on the lower level, featuring an abundance of natural lighting throughout with wonderful views of the wooded surroundings.



Project Size: 6,000 gsf

Project Type: Additions & Renovations

Project Status: Completed in 2006

Contact: Dr. Frank Shomo, Pastor, 304.342.7351

Elizabeth Memorial United Methodist Church

Charleston, West Virginia

After extensive programming meetings and review of the existing building facilitated by Silling Associates, the congregation of Elizabeth Memorial chose to pursue a project which would add an expanded narthex, vehicular drop off area, and four classrooms to their existing building. To expand the opportunities for educational and community offerings, two new classrooms were added on each floor. They were separated by a folding acoustical panel wall which can be opened to provide space for larger meetings. A newly expanded narthex featuring a tall glazed tower above the entrance gave the building greater presence from the street and features the convenience of a covered drive-through drop-off area.



Project Size: 9,500 gsf

Project Type: Renovations

Project Status: Completed in 2010

Contact: Walt Davis, Hampshire County Building
Commission Chairman, 540.539.1909

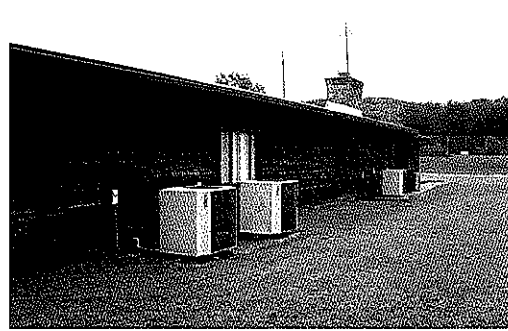
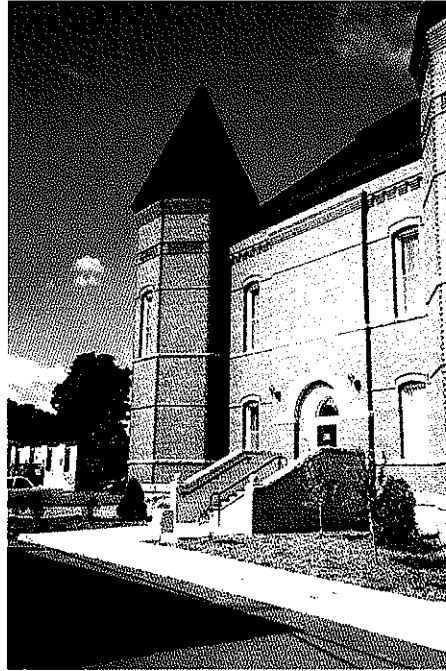
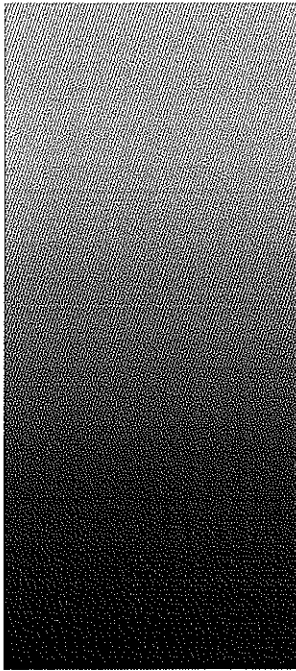
Hampshire County WPA Annex Renovation

Romney, West Virginia

With the completion of the new Judicial Center project, the Hampshire County Commission engaged Silling to begin work on Phase II of the County's Facilities Improvement Plan—the renovation of the historic WPA Annex.

This \$1.1 million project involved substantial interior demolition throughout all three floors to accommodate the needs of the Assessor's Office, Sheriff's Tax Office, and Sheriff's Department. All new interior architectural finishes were introduced along with a new elevator addition and a completely new electrical and mechanical system, as well as various plumbing, fire alarm, data, telecommunications, security, and lighting upgrades. Advanced lighting controls were used featuring occupancy sensors and bi-level lighting to enhance efficiency and reduce energy consumption. ADA compliance was also addressed throughout the building. The exterior stonework and masonry were cleaned and restored, and all new windows were installed throughout. Improved stormwater management, including new piping and catch basins, were installed.

Completed in 2010, this project provides 21st century amenities within a historic public building.



Project Size: Various

Project Type: Renovations & Upgrades

Project Status: Ongoing

Contact: Brian Donat, County Administrator, Putnam County Commission, p 304.586.0201

Putnam County Energy Efficiency Improvement Projects

Various County Buildings

With the receipt of federal stimulus funds for energy efficiency upgrades, the Putnam County Commission selected Silling to design and manage the following County projects:

- Hurricane Valley Community Center HVAC Upgrades
- Hometown Senior Center Roof Replacement
- Hometown Senior Center HVAC Upgrades
- Courthouse Steps Replacement
- Courthouse Window Replacement
- Courthouse HVAC Upgrades
- Courthouse Interior Vestibules
- Sheriff's Building HVAC Upgrades
- Sheriff's Building Window Replacement

Some of the projects are now completed while others are either in design or under construction.



Client References

Mr. Phil Judd, Director of Facilities

West Virginia State University
P.O. Box 1000
Institute, WV 25112
P 304.766.3000

Mr. Bryce Casto, VP of Student Affairs

West Virginia State University
P.O. Box 1000
Institute, WV 25112
P 304.766.3000

Mr. Ron May, Director of Facilities

Marshall University
400 Hal Greer Boulevard
Huntington, WV 25755
P 304.696.2585

Mr. Walt Davis, Chairman

Hampshire County Building Commission
405 West Main Street
Romney, WV 26757
P 540.539.1909

Mr. Mike Pickens, Executive Director

Office of School Facilities
WV Department of Education
1900 Kanawha Boulevard East
Charleston, WV 25305
P 304.558.2711

Mr. David Snead, Chief of Architectural Services

WV School Building Authority
300 Kanawha Boulevard, East
Charleston, WV 25311-2306
P 304.558.2541



PLANNING ADVOCATES, INC.

FUTURISTS...FACILITATORS...CONSENSUS BUILDERS...FACILITY PLANNERS

COMPANY PROFILE

Planning Advocates, Inc. was established to serve the educational planning and educational facility planning needs of a variety of school districts, institutions of higher education, government agencies and other public and private sector clients on a nationwide basis. The firm is an award winning corporation of consultants and planners which specializes in meeting client needs. Planning Advocates was incorporated on December 13, 1985 and since its inception has been an organization composed of educators whose vision is to assist its client school districts and other agencies to incorporate facilitated, comprehensive planning into their decisions regarding school programs and facilities.

Ron Smith, Owner and President, is a nationally recognized educational facility planner with over 40 years of successful experience including positions as teacher, principal, superintendent and facility planner. Another key member of the firm includes Don Dyck, Senior Planner, who also has over 30 years in public education as teacher, building administrator and superintendent and 12 years as an educational planner. The firm has support staff and additional professional staff members available as needed to complete specific projects. All have extensive backgrounds within the field of education.

PUTTING PLANNING INTO ACTION...FOR RESULTS

Planning Advocates offers a variety of services custom designed to meet client needs. Those services include strategic planning, educational specification development, large and small group facilitation for community planning and consensus building, projecting future enrollments, educational facility programming, futures scenario building, comprehensive facility surveys and assessments, demographic data development, design manual development and revision, and staff training and development.

Planning Advocates staff members have worked with many school districts, institutions of higher education and government agencies which have been involved in the master planning process. Embedded within all facility planning is a commitment by staff members to assure that school programming and community need drives the decisions regarding facilities. Planning Advocates has been involved in numerous projects in which building consensus among community members and school personnel was the cornerstone in arriving at plans which had broad community input in their development and which gained majority community support for implementation.

All staff members of planning Advocates have committed their professional careers to working primarily in the public sector. The cumulative experience of the three key persons includes over 100 years of public sector consulting and direct educational services. Clients have included PK-12 schools and school districts, public and private colleges and universities, state departments

of education, the U.S. Office of Education, the U.S. Department of Justice, State School Facilities Commissions, and municipal governments.

RECOGNIZING THE PREDICTABLE...MANAGING THE VARIABLE

Although scenarios change and new variables are introduced, certain principles of planning and futures forecasting are useful for change-adept leadership in and uncertain future. As experienced professionals we assist leaders to recognize the predictable elements in the planning environment and propose strategic thinking that serves the future.

We believe in the team approach to planning and facilitate dialogue among key school district personnel, community members, corporate personnel, and agency members to develop collaborative plans. As futurists we are convinced that an eye on the future is an essential planning strategy.

EXPERTISE AND EXPERIENCE...GUARANTEED RESULTS

Regardless of the region or the nature of the project, Planning Advocates guarantees the services of its professional planners who bring to each project three essential ingredients - expertise and experience, timely response to identified needs, and cost effective delivery of services and products.

Planning Advocates is located in Delaware, Ohio and has easy land access to all communities within Ohio and the surrounding states. Nearby Columbus, Ohio has excellent airline access to all U.S. markets. The office is a fully functional business office with modern computer equipment and technology, high speed internet access, digital projection equipment, proprietary enrollment projection software, and additional software to perform all needed functions.

Planning Advocates has twice been recognized by the prestigious Council of Educational Facility Planning International (CEFPI) in presenting its James D. MacConnell Award for Educational Facility planning Excellence. Planning Advocates received this award for its work on the Buckeye Valley Local Schools' Middle School planning project and it received the award for elementary school planning in Hammond, Indiana.

Additionally, the Shirley Cooper Award, presented by the American Association of School Administrators, was received by Planning Advocates for two projects. These included, Williamstown High School in Michigan and for total K – 12 project planning in Perry, Ohio.

Planning Advocates approaches every project with three goals: excellence, client satisfaction, and solutions which are driven by the educational program.



PLANNING ADVOCATES, INC.

FUTURISTS...FACILITATORS...CONSENSUS BUILDERS...FACILITY PLANNERS

STAKEHOLDER DIALOGUE

The **purpose** of community involvement as part of facilities planning is to establish consensus for preferred alternatives in light of relevant data, program priorities, and future trends. Consensus is agreeing to actively support the best alternative for students according to commonly accepted principles or guidelines after considering the options and information available. Consensus is based on a common understanding of important information. People come to consensus when they agree to support the best alternative even though it is not always their first preference.

The process of community involvement facilitates discussion among District leaders, staff, and key community leaders about facility options based on important information related to current District facilities and future trends, the vision of the board of Education and District leaders, program priorities, and staff and community members' understanding of this information and the needs indicated by it. Community dialogue includes a guiding coalition or steering committee of key school and community leaders, a skilled facilitator, and a credible spokesperson for the District and the Steering Committee.

Community involvement has several advantages:

- It is useful to identify issues regarding program priorities related to facility needs
- It creates a better understanding of the meaning of facility information, programs, staff and community attitudes, and future trends
- It communicates the facility needs of the District more personally and with greater detail
- It identifies facility development alternatives not previously considered
- It builds a cadre of knowledgeable people to help in future planning, analysis and financing (bond levy campaigns) endeavors
- It moves people toward consensus around a preferred alternative as part of a long range facilities plan

A typical community involvement process may last from three to six months. A tentative scope of work for a guiding coalition or steering committee is:

- Orientation session, discussion of process, establishment of committee and sub-committee structure, identification processes for collecting data and establishing eventual outcomes
- Review and analyze data collected – facilities data and surveys if conducted
- First Community Dialogue meeting – present data, identify trends, consider futures and vision, and confirm program priorities
- Synthesize community needs in view of data, trends, futures, vision and priorities
- Develop alternatives and options for consideration
- Second Community Dialogue meeting – present synthesis of First Dialogue and discuss and build consensus for preferred alternative
- Board and steering committee work session to establish the facilities plan



PLANNING ADVOCATES, INC.

FUTURISTS...FACILITATORS...CONSENSUS BUILDERS...FACILITY PLANNERS

DEVELOPMENT OF EDUCATIONAL SPECIFICATIONS

Planning Advocates staff utilizes its knowledge of West Virginia's Policies and Guidelines and its familiarity with many projects within various counties within West Virginia to work with representative committees to develop Educational Specifications which comply with the requirements of a) Section 101 of the WV Department of Education's Policy 6200 dated September 15, 2008, and b) Attachment 6 of Appendix J of the WV School Building Authority's 2007 Guidelines and Procedures Handbook with 2009 revisions. The scope of work typically includes the following activities and services:

- **Educational Specifications Committee:** Planning Advocates consults with the owner in the formulation of an Educational Specifications Committee to develop a set of Educational Specifications. Recommendations are made to assure that the committee is representative of all potential users of new and/or converted facilities and that members will be committed to the time and preparation necessary to develop quality products. The committee typically contains teaching staff, administrators, support staff, parents, students, support organizations, and others as determined to be important to the process.
- **Committee Meetings:** Planning Advocates, in conjunction with the administration, develops a schedule for all meetings of the Educational Specifications Committee. It is typical that an initial meeting is conducted for the purpose of orientation, information, and process. Subsequent meetings are scheduled with the committee which leads to the development of the Educational Specifications. Planning Advocates staff:
 - Facilitates all Educational Specifications Committee meetings
 - Provides relevant information and materials for committee use
 - Consults with the Owner and the Architect to discuss progress on the process
 - Provides timely minutes of the meetings to the Owner and to the Architect
 - Develops drafts of the committee work and shares this with the committee
- **Data and Information:** Planning Advocates staff reviews any data and information which have been gathered by the Owner and the Architect in their preparation for the Educational Specification development process and shares relevant materials with the committee.
- **Regulations and Guidelines:** Planning Advocates continually reviews the program requirements identified by the Educational Specifications Committee to the applicable regulations and guidelines from the WVDOE and the WVSBA. All discrepancies between the requirements proposed by the committee and the state regulations and guidelines are discussed with the members of the committee and are reported to the owner and to the Architect for review and discussion.

- **Educational Specifications Documents:** Planning Advocates develops drafts for the Educational Specifications based on the results of the committee meetings and other input. These drafts are provided to the Owner and to the Architect for review and comment. Any appropriate comments and suggestions are integrated into the drafts and the Final Educational Specifications are produced and distributed to Owner and the Architect.

Ronald Smith
President and Owner, Planning Advocates, Inc.

Professional Experience:

President: 2006 – Present, Planning Advocates, Inc.
Vice President, Educational Planner: 1999 – 2005, Planning Advocates, Inc.
Superintendent: 1990 – 1999, Delaware/Union Education Service Center; Delaware and Union Counties, Ohio
Superintendent: 1987 – 1990, Buckeye Valley Local School District, Delaware, Ohio
Adjunct Professor: Ashland University
Presenter:
 Buckeye Association of School Administrators
 North Central Association of Schools and Colleges
 National School Boards Association
 Council of Educational Facility Planners, Inc.

Project Experience:

West Virginia School Building Authority, West Virginia

Served on a team, with two architectural firms, for the development of 2010 Comprehensive Educational Facility Plans (CEFPs) for 20 County School Districts

Hancock County School District, New Cumberland, West Virginia

Served as the Educational Planner for the development of Educational Specifications for a consolidated elementary school according to the 2010 CEFP and for middle school Educational Specifications according to the amended 2005 CEFP

Marshall County School District, Moundsville, West Virginia

Served as the Educational Planner for the development of Educational Specifications for two elementary schools according to the amended 2006 CEFP

Newark City School District, Newark Ohio

Led a district team in the completion of a demographic study, an educational adequacy assessment, educational specifications, a capacity analysis, and a community involvement process which culminated in a long-range facilities master plan

Lakewood City School District, Ohio

During a long term relationship have completed enrollment projections, complete facility assessment of all district buildings, community involvement in the development of a master facility plan, and educational specifications for high school, middle schools, and elementary schools

Kansas City Missouri School District, Missouri

Completed an educational adequacy assessment of nearly 100 school buildings, compiled data for long and short range facility improvements, conducted enrollment projections, and conducted wide-range community involvement for the reduction of elementary schools due to declining enrollment

Education:

B.S. - Bowling Green State University: Education

M.A. - Bowling Green State University: Educational Administration

Post Graduate Studies – The Ohio State University, Ashland University, University of Toledo, Dayton University

Professional Affiliations:

CEFPI Ohio – member and past president

Counsel of Educational Facility Planners, Inc.

American Association of School Administrators

American Association of Education Service Agencies

Registration:

Registered Educational Facility Planner (**REFP**)

Don Dyck
Senior Planner, Planning Advocates, Inc.

Professional Experience:

Senior Planner: 2002 – Present, Planning Advocates, Inc.
Consultant: 1998 - 2002, Center for Creative Leadership
Superintendent: 1990 – 1998, Delaware City School District, Delaware, Ohio
Superintendent: 1985 – 1990, Centerville City School District, Centerville, Ohio
Presenter:
 American Association of School Administrators
 North Central Association of Schools and Colleges
 National School Boards Association
 Council of Educational Facility Planners, Inc.

Project Experience:

Hancock County School District, New Cumberland, West Virginia

Served as an Educational Planner for the development of an updated 2005 CEFP utilizing a representative community committee during a four month time frame

Cumberland County School District, Maryland

Completed educational adequacy assessments for use in a study on updating all school facilities within the county according to specifications provided by the district and its architects

Lakewood City School District, Ohio

During a long term relationship Don completed facility assessments of all district buildings, participated in community involvement in the development of a master facility plan, and developed educational specifications for middle schools, and elementary schools

Switzerland County School Corporation, Indiana

Completed educational adequacy assessments for elementary schools within the county and presented the results to the administration and the School Board

Kansas City Missouri School District, Missouri

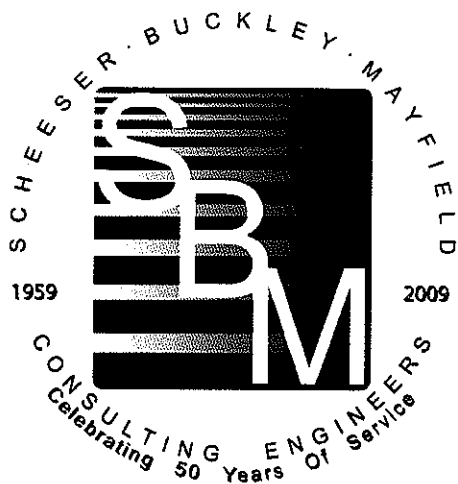
Completed an educational adequacy assessment of nearly 100 school buildings, compiled data for long and short range facility improvements, conducted enrollment projections, and conducted wide-range community involvement for the reduction of elementary schools due to declining enrollment

Education:

B.S. – Indiana University: Education
M.A. - Indiana University: Educational Administration
Ph.D. – Ohio State University: Educational Administration

Professional Affiliations:

CEFPI Ohio
Counsel of Educational Facility Planners, Inc.
American Association of School Administrators
Buckeye Association of School Administrators



ABOUT THE FIRM

Scheeser Buckley Mayfield LLC is a Consulting Engineering firm that serves clients throughout West Virginia, 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 is entering its 50th year of operation and has opened a downtown Columbus based branch office (January, 2009).

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.

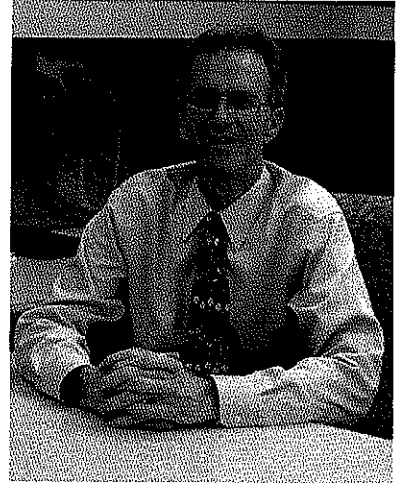
MICHAEL P. WESNER, P.E., LEED AP, CBCP

VICE PRESIDENT - MECHANICAL ENGINEERING

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

Scheeser Buckley Mayfield LLC

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

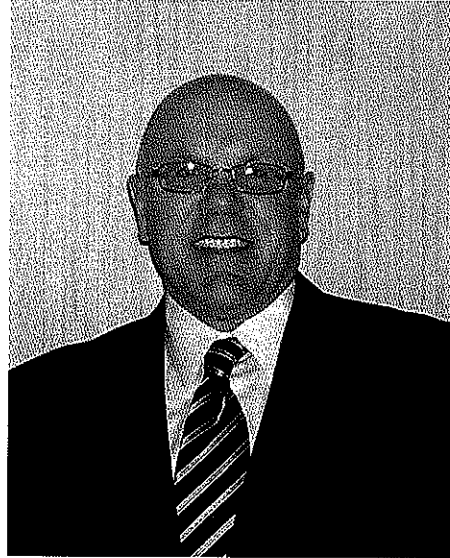
PERSONAL RESUME

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).

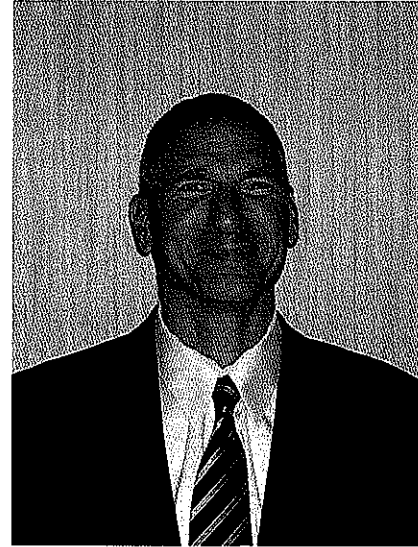
In 2009, Jim received his Certified Building Commissioning Professional (CBCP) administered by the AEE (Association of Energy Engineers).

KEVIN M. NOBLE, P.E., LEED AP PRINCIPAL – CIVIL / PLUMBING ENGINEERING

PERSONAL RESUME

Mr. Noble attended the University of Akron where he received his Bachelor of Science degree in Civil Engineering in 1987 and continued his education through night school to receive his Masters of Business Administration from Averett College in 1991.

After graduating with a Civil Engineer degree, Mr. Noble accepted a position as a Water Resource Engineer at Dewberry & Davis, Inc., a top fifty engineering firm located in Washington, D.C. Mr. Noble was assigned to work on the firm's contract with the Federal Emergency Management Agency. His responsibilities included hydrologic and hydraulic analyses, flood plain delineations and storm water management facilities. Prior to leaving the company, he was promoted to project manager where he obtained valuable experiences in hydraulics and storm water control from projects involving the U.S. Army Corp of Engineers and Tennessee Valley Authority.



From Washington, D.C., Mr. Noble joined the staff of Elewski & Associates, Inc., a municipal civil engineering firm located in Independence, Ohio. There, he engineered a wide range of residential, commercial and industrial development projects and provided field support to facilitate timely completion of construction. Projects included public and private schools, athletic facilities, planned residential developments, multi-phased office parks, municipal building and retail centers. The site engineering involved design of water mains and pumps, sanitary sewers, force mains, pump stations and storm sewer and stormwater management systems. Prior to leaving, he was promoted to Village Engineer, in charge of plan review, infrastructure design, public work projects and construction inspection.

Mr. Noble joined Scheeser Buckley Mayfield LLC in early 1995 as a department head. Since that time he has participated and managed the design of numerous private and public civil and plumbing projects, including prisons, healthcare, utility companies, universities, municipalities, churches, schools and Federal Government. He attends local and national plumbing and civil conventions and seminars to stay in tune with current developing technologies.

Kevin is a LEED™ Accredited Professional and is registered as a Professional Engineer in the State of Ohio, the State of West Virginia, the State of Florida, the State of South Carolina, the State of Pennsylvania, the Commonwealth of Virginia and the Commonwealth of Kentucky and is a member of the American Society of Civil Engineers, American Society of Plumbing Engineers, and the National Fire Protection Association.

SCHEESER BUCKLEY MAYFIELD LLC

EDUCATIONAL EXPERIENCE

Kanawha County Schools Stonewall Jackson HVAC Upgrade Charleston, WV

Scheeser Buckley Mayfield LLC performed mechanical and electrical design services for HVAC renovations to the existing 180,000 square foot Middle School and associated 15,000 square foot Physical Education building. The project involved air conditioning the existing school, which was originally ventilated and heated only. The air conditioning system consists of an air cooled chiller with multiple fan coil units being used for individual temperature control. The chilled water system contains 40% propylene glycol solution, allowing the chiller to be run during colder months without the worry of freezing the chiller evaporator or draining the system. The classroom ventilation system consists of multiple 100% outdoor air handling units strategically sized and located to replace the existing ventilation units. The new ventilation units are capable of dehumidifying the outdoor air and are connected to the existing ventilation ductwork, minimizing the overall construction cost of the project. Space carbon dioxide sensors are utilized to ensure the ventilation units supply the minimum amount of outdoor air required for adequate ventilation, minimizing operating costs. Packaged rooftop units are also used in select office areas. The rooftop air handling units were isolated from the space below by locating the units over corridor areas where possible and also by providing a concrete isolation pad beneath the equipment to minimize fan noise and compressor noise transmitted to the spaces below. Boiler plant upgrades consists of the installation of three packaged heating water boilers to supplement the existing steam boiler plant. The Physical Education building HVAC system consists of multiple gas heating/DX cooling rooftop air handling units serving the gymnasium area. Duct mounted Carbon dioxide sensors are utilized to ensure the units supply the minimum amount of outdoor air required for adequate ventilation, minimizing operating costs.

Electrical upgrades included the design of the removal and replacement of the buildings main distribution panel. The distribution panel was increase in size to accommodate the new mechanical equipment. Coordination was required with the owner and local utility company to limit the power interruption required. In addition, the fire alarm system was extended for the new rooftop equipment shutdown.

Kanawha County Schools Additions and Renovation to Central Elementary School

Scheeser Buckley Mayfield provided engineering services for HVAC, Fire Protection, Plumbing, Lighting and Power for the 5400 square foot addition which added classroom space to the facility. The HVAC work included the conditioning the addition as well as adding more efficient cooling and heating systems to the existing offices and classrooms. The HVAC systems for the school consisted of packaged rooftop units with electric reheat coils to provide temperature control zoning. The rooftop air handling units were isolated from the space below by locating the units over corridor areas and also by providing a concrete isolation pad underneath the equipment to minimize fan noise and compressor noise intrusion on the spaces below. The temperature controls for the schools were direct digital control allowing the equipment to be monitored remotely at the facilities maintenance office.

The electrical design for the Central Elementary Addition included the replacement of the existing single phase electrical service with a new three-phase service in order to

accommodate the additional load. Fluorescent indirect fixtures were furnished throughout the educational spaces. Bi-level and group lighting controls were incorporated into the design to allow for the various applications in an instructional environment. A new addressable fire alarm system was installed for the entire facility to upgrade the school to more reliable equipment. A school-wide intercom system was installed to allow two-way voice communication to each classroom and outside the building. The intercom system also doubled as the class change and dismissal bell system.

Kanawha County Schools Additions to Ann Bailey, Andrew Heights, and Alban Elementary Schools

This project consisted of additions and renovations to three elementary schools in the Charleston, West Virginia area. SBM performed the HVAC, plumbing, fire protection, electrical, telecommunications and civil engineering work related to the additions. The additions added classroom space, computer room space, and expanded library space to each facility. The project also included a complete fire protection system for Ann Bailey and Alban schools. The HVAC systems for the schools consisted of high quality packaged rooftop units with electric reheat coils to provide temperature control zoning. The rooftop air handling units were isolated from the space below by locating the units over corridor areas and also by providing a concrete isolation pad underneath the equipment to minimize fan noise and compressor noise intrusion on the spaces below. The temperature controls for the schools were all direct digital control allowing the equipment to be monitored remotely at the facilities maintenance office.

Kanawha County Schools Auditorium Renovations

The HVAC involved reworking existing ductwork and installing new diffusers to accommodate new ceilings. New fire protection was installed to comply with current codes.

The KCS Auditorium Renovations included the complete renovation of five Senior High School Auditoriums. Each school required the spaces to operate as both classroom and performance auditorium. The lighting design included linear fluorescent fixtures and wall sconces for the classroom environment and full theatrical entertainment lighting for performances. The entertainment lighting package included a front of house stage hoist with fixed position fixtures and a pipe-grid system over the stage for maximum versatility of fixture placement. Incandescent House Lights were also utilized over the aisles to accommodate the dimmable environment that a performance or video requires. An ETC Unison system with an ETC Smartfade control station was utilized for performance lighting controls. Power for each space was reconfigured, and replaced in each of the schools to suit the new stage and classroom environments. New distribution panels and panelboards were required for each school to replace existing equipment that had reached the end of its useful life. The systems design for the auditorium included sound reinforcement that included a surround sound emulator to give them a true theater environment. Audio/Visual equipment included digital projection, Blu-ray DVD, and AMX digital interfaces to allow a more user-friendly environment for both teachers and students. The schools had a variety of fire alarm systems that ranged from digital addressable to hard-wired systems. Under this project we provided for the extension of existing systems to the renovated area under base bid, and under an alternate, new fire alarm systems were specified to allow the school system an opportunity to upgrade the sites containing hard-wired systems.

**Riverside High School
Technology Design
West Virginia**

The voice/data infrastructure cabling system design for an 180,000 sq. ft. high school includes: Category five work area connectors, telecommunication and equipment closet location and design, category five horizontal cabling, category five patch panel and rack design, backbone cabling consisting of both multi-pair copper and multi-mode fiberoptic cable, and complete design for both pathways and labeling and administrative system. All design complies with the EIA/TIA standards 568, 569, and 570 for Commercial Building Wiring and Pathway Standards. The telecommunication design consisted of providing each student with a local area network drop such that all students within the classroom may be connected to the network system. Design begins with a surface raceway of size as required for the room and category five compliant connection jacks. Pathways (conduits) extend from the surface raceway up to and over a cable tray within the corridor ceiling space. All cabling is category five compliant, plenum rated, four pair unshielded twisted pair (UTP). In the cable tray the design extended to the satellite communications closets and each horizontal cable is terminated on a category five compliant patch panel connector mounted in a standard 19" rack. All connections to this point are T568B compliant, as directed by the Owner. From the satellite closets, backbone cable consisted of both multi-pair copper for voice and fiberoptic for high speed data extending to the "superserver" room. The complete design conforms to a physical star topology including the backbone wiring. All horizontal cabling was limited to 90 meters or 295 feet and backbone cables were limited to 800 meters for copper and 2,000 meters or 6,560 feet for fiberoptic cable. All cable trays are the solid bottom type ranging from 12" to 18" wide with 3" side rails.

**Ohio School Facilities Commission
School Assessments**

Scheeser Buckley Mayfield LLC provided mechanical and electrical engineering services to field survey and assess plumbing, HVAC, fire protection and electrical systems school facilities throughout Ohio. Evaluations were performed at Black River School District, Bristol School District, Buckeye Local Schools, Chippewa Local School District, Connoton Valley Local Schools, East Knox High School and Elementary School, Elgin Schools, Fairless Local Schools, Green Local Schools, Franklin Elementary School, Grand Valley Local Schools, Harrison Hills City Schools, Hicksville Schools, Hillsboro School, Indian Valley School Systems, Jackson High School and Elementary School, Jefferson Area Local Schools, Kinnison Elementary School, Lakota Local School District, Leetonia School District, Lick Elementary School, Louisville City School District, Marion Local School District, Massillon Local School District, Maumee City Schools, Minerva Local School District, Mississinawa Valley Local Schools, Niles City School District, Osnaburg Local School District, Parkview Elementary School, Quincy Elementary, Riverside High School, Scioto Elementary School, South Street Elementary School, St. Henry Consolidated Local Schools, Triad Local Schools, Tuslaw Local Schools, Van Wert Schools, Waverly Schools, Western Reserve Local School District, West Holmes Local Schools, and Youngstown City School District.

**Riverside High School
West Virginia**

Riverside High School is a 180,000 sq.ft. high school in Kanawha County. This high school has two gymnasiums, a 500 seat auditorium, a full kitchen and cafeteria, a commons area for student and community presentations, and a two story classroom wing. The classroom wing features laboratory space, general purpose classroom, administration offices, and a TV studio. This high school was designed to accommodate approximately 1700 students. Scheeser Buckley Mayfield designed the MEP for the concessions stand for the Riverside High School football field. The project was associated with the 18 million dollar project that

was completed in 1999.

St. Joseph Grade and Middle School

Scheeser Buckley Mayfield provided mechanical, plumbing and electrical services for the new grade and middle school which was added to an existing pre-school/daycare building. Service interruption to the existing facility needed to be minimized. Three variable volume rooftop units were designed to serve each floor. An additional constant flow rooftop unit was designed to serve the new gym. Each classroom unit has economizer modulating gas heat and DX cooling. Each classroom is served by a VAV terminal with electric reheat coil. Gym unit has economizer modulating gas heat, DX cooling coil and hot gas reheat coil for humidity control propose. Elevator machine room and telecom room are each conditioned with a DX unit and outdoor condenser to provide 24/7 cooling as needed. The plumbing system includes low water consumption fixtures and a centralized electric domestic hot water system with a master mixing valve arrangement. Due to the city's combined sewer system, the sanitary system was designed to be conveyed via gravity system that discharges to a manhole equipped with a backwater valve to prevent back-up into the building during heavy storms. The automatic sprinkler system was extended from the existing building to provide a fully sprinkled building. The science lab's natural gas turrets are furnished with an automatic push-button shut-down panel that provides the instructor a quicker response time in the event of an emergency. The electrical design included upgrading the existing electrical service to accommodate the new additional load and to back-feed the existing facility. The fire alarm system was also upgraded to accommodate the new addition. Lighting was designed around suspended direct/indirect fixtures in classrooms and recessed indirect lighting in corridors. Lighting in the gym consisted of metal halide high bays, supplemented with suspended fluorescent for ambient and egress lighting. The electrical design also included speakers and cabling for sound/paging system, specifications for clocks and bell systems, local intercom for access control, rough-in for security and a small sound system for the gym. Telecommunication system design included horizontal cabling, wireless access provisions, data jacks and equipment racks.

Marshall University Wellness Center Huntington, WV

Scheeser Buckley Mayfield LLC designed the HVAC, plumbing, electrical, and fire protection for this building. This building is the Wellness Center for the Marshall University Campus. It contains a lap pool, aerobics rooms, racquetball courts, four gymnasiums, workout areas, administrative areas, a climbing wall, and an indoor running track. Semi-custom rooftop packaged air handling units were designed to serve the building. The electrical design involved extensive site coordination with the utility companies to allow necessary services to be routed to this area of campus. Lighting for the building was designed to complement the focus of health and exercise in the building. A variety of indirect and semi-indirect sources were selected to help prevent glare. Decorative elements were introduced on the interior and exterior of the building that highlight the University colors. The power design included both normal and emergency systems. Extensive coordination between the Mechanical and Electrical Engineers took place to design the smoke evacuation system. A fire command center was located at the fire service entrance to provide emergency responders the required environment to safely locate a problem situation and communicate safety instructions to the building occupants. Technology design for the project included the complete structured wiring design including wireless access points to allow Wi-Fi access to students throughout the building.

**Marshall University
Bio-Technology Building
Huntington, WV**

The Marshall University Bio-Technology Building is to be located on the north side of the Marshall University campus in Huntington, West Virginia. The building consists of four floor levels with a bridge over 3rd Avenue to the existing Science Building. The project shall have a 300 seat auditorium, tiered classrooms, faculty offices, animal quarters, student teaching labs and labs dedicated to pure research. The project will also have a BSL3 lab space. The project is currently under construction.

**Thomas Memorial Hospital
Medical Office Pavilion and Hospital Addition
South Charleston, WV**

Scheeser Buckley Mayfield provided mechanical and electrical design for the Medical Office Pavilion Building at Thomas Memorial Hospital. This 80,000 sq. ft. office building/hospital is a major addition to the facility. The building is a 4-story structure plus basement. The project is being constructed in a multiple bid package construction delivery method with the building foundation and shell currently under contract.

The basement of the building will house the new hospital laboratory and the First Floor of the building will house the expanded radiology department. The upper floors of the building shall provide doctors office space.

Hospital addition, this project is currently in the planning stages and will provide for expanded operating rooms and surgery support, new labor and delivery areas and additional nursing beds. It is anticipated that this portion of the project shall be under construction in 2004.

**West Virginia Wesleyan College
Virginia Thomas Law Center for the Performing Arts
West Virginia**

The HVAC system includes six constant volume rooftop mounted units. The auditorium is served by two units with heat wheels, gas heat, and hot gas reheat coils. The stage is served by one constant volume unit with gas heat and a hot gas reheat coil. The shop and lobby each are served by a constant volume unit with gas heat. The classroom area is served by a constant volume unit with gas heat and an electric reheat coil for zoning. Split system units with low ambient controls are used for areas such as the control room and the dimmer rack room, where there are large concentrations of heat. All roof top units have been carefully located to be in the least sound sensitive area. Ductwork serving the auditorium and stage is sized with low velocity for noise control. Specially designed low noise criteria diffusers are used in auditorium. The air distribution system serving the stage and auditorium was closed coordinated with acoustic consultant.

Electrical Design for the Virginia Thomas Law Performing Arts College included extensive utility coordination and relocation of existing services. Many telecom, fiber, and overhead electrical service cables needed to be rerouted to areas outside of the construction zone. The electrical distribution included a new pad-mounted utility transformer which fed a 1600A, 480/277V, 3-phase, 4-wire switchboard. Interior power distribution was utilized at 480/277V and 208/120V. SBM worked with the project theatrical and audio/visual consultants on power and lighting requirements for their respective equipment. Outlying spaces from the auditorium included offices, dressing rooms, auxiliary spaces, and also a reception suite. The lighting design for the public spaces was designed to flow from space to space. Pendant fixtures utilized were available in a wide variety of scales to accommodate the two-story and

single-story spaces with a common lighting theme. Accent lighting was used on the exterior to highlight features on the façade and to reveal the texture of the building at night.

WV State University

Various Boiler/Chiller Replacement Projects

Ferrell Hall, Hamblin Hall, James C. Wilson Union, Drain Jordan Library Institute, WV

Replacement of Boilers and Chillers for various major educational and administrative buildings throughout the campus at WV State University.

Joan C. Edwards Performing Arts Center

HVAC Replacement

Marshall University

The existing Joan C. Edwards Performing Arts Center at Marshall University required a major overhaul of its HVAC and related systems due to age, obsolescence, and lack of proper function. Building humidity levels and the lack of an air conditioning system for the performance stage were also primary concerns. The project design provides for the replacement of the existing cooling towers and chillers, implementation of an area way to allow access to the mechanical room, dehumidification capability for two primary air handling units, and the installation of an air conditioning system for the existing performance stage.

West Virginia Lottery Headquarters

City West Office Tower Renovation

Charleston, WV

The project includes architectural, structural, mechanical, electrical, and fire protection renovations of the existing City Center West building located on Pennsylvania Avenue in Charleston, West Virginia. The project also included upgrades to the building's three passenger elevators and one freight elevator. The approximate gross size of the building is 146,000 square

feet. Interior space modifications will accommodate the headquarters of the WV Lottery as well as other state agencies to be determined in the Programming Phase. Design services will address space needs of state offices and address IBC, NFPA, and ADA Code compliance issues of the existing facilities.

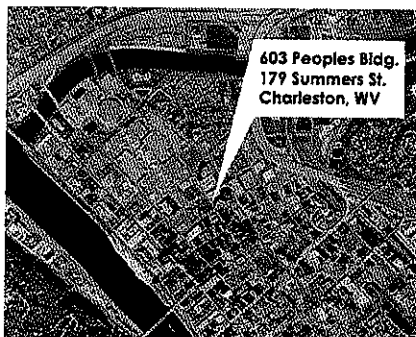
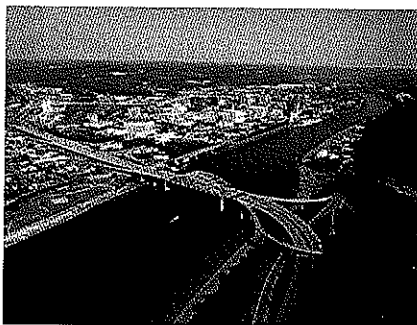
WVU Tech Student Center Renovations

West Virginia University

Montgomery, WV

\$2.7 million renovation and modernization project that included a new and expanded kitchen and food service component, an expanded dining area featuring the addition of a cantilevered seating area overlooking the first floor commons/assembly area, new interior finishes, elevator, complete HVAC, electrical, and fire/life safety improvements, and ADA design.

Background



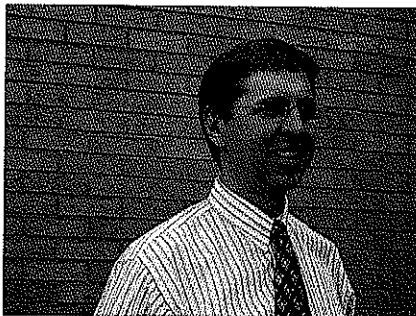
Moment Engineers, Inc. is a professional consulting firm specializing in structural engineering. We serve the architectural and building construction communities throughout West Virginia. Based in Charleston, West Virginia at 179 Summers Street, Moment Engineers was founded by Douglas Richardson in early 2005. Prior to that, Mr. Richardson was employed by a West Virginia architectural/engineering firm as their Senior Structural Engineer.

For more than a decade, Mr. Richardson has had sole responsibility for the structural engineering design of more than 5 million square feet of built space, with the total construction costs of these projects exceeding \$600,000,000. His experience, which ranges from small to very large multi-phase projects, is invaluable in providing the technical expertise and creative flexibility to deliver results in a prompt and reliable manner.

Our experience encompasses a wide variety of building types and sectors, and our expertise includes designing with steel, concrete, masonry, and wood.



Resume



Douglas R. Richardson, P.E.
President/Structural Engineer

Education

North Carolina State University, (8/87-5/89).

Masters of Science in Civil Engineering, major in structures and minor in construction.

GPA 4.0/4.0.

West Virginia University, (8/83-8/87)

Bachelors of Science in Civil Engineering.

Ranking: 1st out of approximately 450 College of Engineering graduates. GPA 3.98/4.0.

Professional Registration

Professional Engineer - WV #11699, MS #12349

Maintains active record with NCEES to facilitate prompt registration in additional states as required.

Professional Affiliations

American Society of Civil Engineers

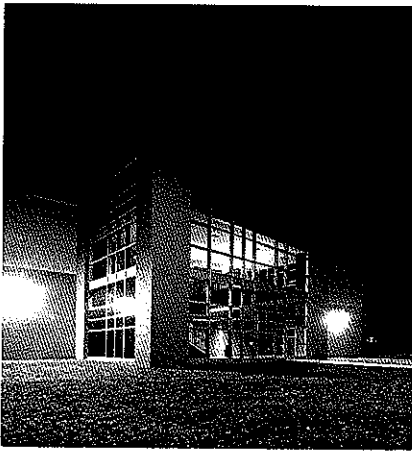
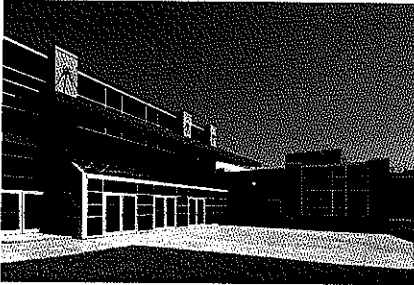
American Concrete Institute

American Institute of Architects, Professional Affiliate

Structural Engineering Institute

Timber Framers Guild

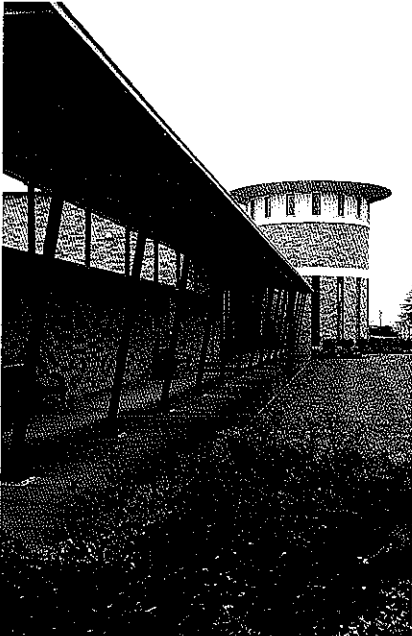
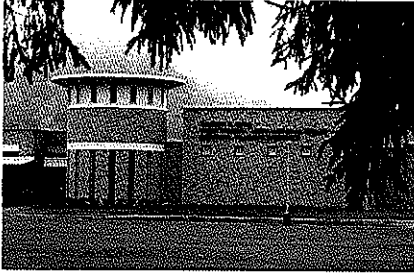
Sample Project



St. Albans High School

The design of this project began with the demolition of more than 40% of the existing structure. The remaining space was renovated and an additional 124,000 square feet of new construction was added. The new space includes an open commons/dining area which serves as a focal point in accessing the auditorium and gymnasiums. This space also includes an elevated walkway. The completed school is 172,600 sq. ft. with a total project cost of \$22,000,000.

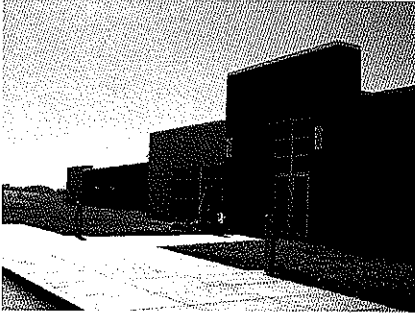
Sample Project



Robert C. Byrd Regional Training Institute

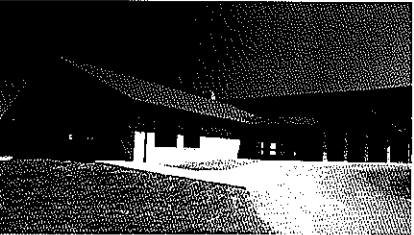
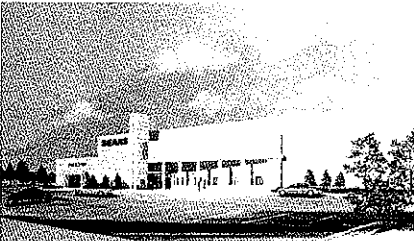
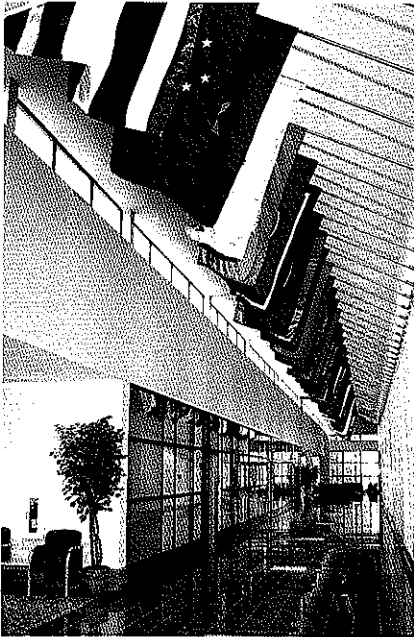
The Regional Training Institute at Camp Dawson is a new 143,000 square foot facility constructed for the West Virginia Army National Guard that provides an ideal setting for training classes, meetings and conferences serving both the military and civilian population. The facility includes classrooms, library, a three story hotel style wing, auditorium and swimming pool. The structural systems utilized include steel frames, reinforced concrete and masonry, load bearing cold-formed steel studs, and long span steel joists.

Sample Project



Ronceverte Elementary School

This new elementary school is constructed on beautiful rolling farm land in Greenbrier County. The facility was designed to serve 400 students and includes food preparation facilities, multi-purpose physical education room, media center, art room, music room, as well as traditional classroom spaces. The structural systems used were primarily load-bearing masonry and reinforced concrete, with open web steel joists framing the roof. The school is 45,250 sq. ft., and had a total project cost of \$7,267,000.



Additional Project List

In addition to these highlighted projects, Mr. Richardson's experience includes a wide variety of new building design and existing building renovation. The list below is a small sample of the projects for which Douglas Richardson has had responsible charge of the structural engineering, design and contract document (structural) production. A more extensive list is available upon request.

<u>Project</u>	<u>Sq. Ft.</u>
Barboursville Elementary School	63,947
Greenbrier East H.S. Renovations & Additions	205,057
Lincoln Co. High School	216,500
Wayne Co. Spring Valley High School	175,000
Cabell West Elementary School	55,788
Dunbar Primary Center School	14,100
Judge Donald F. Black Courthouse Annex	37,000
WV Hospital Association Office Building	29,710
Capital State Bank	4,088
Glen Jean - AFRC	107,090
Camp Dawson - AFRC	56,200
Sears, Chesterfield Mall, Richmond VA	146,980
Sears, Loudon VA	132,600
Alderson Federal Prison Dormitory	60,625
Western Juvenile Detention Center	29,015
Cacapon State Park Addition	9,842
Lewisburg United Methodist Church	12,800
Kroger Store Renovation, Kanawha City	15,427
Goodwill Industries Renovation and Addition	15,460
NGK-NTK Production Facility	78,000
Kappa Alpha Fraternity House, WVU	14,000

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: 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 the debt owed is an amount greater than one thousand dollars in the aggregate.

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.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this 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.

Under penalty of law for false swearing (*West Virginia Code §61-5-3*), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: SILLING ASSOCIATES, INC.

Authorized Signature: [Signature] Date: 2/3/2011

State of WEST VIRGINIA

County of KANAWHA, to-wit:

Taken, subscribed, and sworn to before me this 3rd day of FEBRUARY, 2011.

My Commission expires FEBRUARY 15, 2018.

AFFIX SEAL HERE

NOTARY PUBLIC Tamerra L. Justice

