

SEALED BID: A&E Services-WVSU HVAC Renovation Projects

BUYER: Jerry Rush

SOLICITATION NUMBER: AEOI WSC2400000004

BID CLOSING DATE: 03/26/2024

BID CLOSING TIME: 2:30 P.M.

AEOI WSC2400000004

A&E SERVICES WVSU HVAC RENOVATION PROJECTS

Expression of Interest
West Virginia State University
March 26, 2024

SILLING
ARCHITECTS



March 26, 2024

West Virginia State University
5000 Fairlawn Avenue
Ferrell Hall Room 301
Institute, WV 25112
Attention: Jerry Rush, Director of Purchasing

RE: Expression of Interest
A&E SERVICES-WVSU HVAC RENOVATION PROJECTS (AE01 WSC2400000004)

Selection Committee Members,

Silling Architects is pleased to submit our Expression of Interest to West Virginia State University for the WVSU HVAC Renovation projects.

As you will see in the information included in this submission, WVSU is a legacy client of our firm for whom we have designed nearly every significant facility on their campus dating back to the early 1920s. Some of these earliest design commissions included projects that have served their students for almost a century. In recent years, we have continued serving the University on the design and delivery of the new D. Stephen and Diane H. Walker Convocation Center and the Gregory V. Monroe Athletic Complex. In addition to be selected to lead the most recent and significant new construction projects on campus, Silling and our engineering partners have held a continuing service contract with WVSU for over twenty years. Our team has been honored to collaborate with the administration and facilities' staff in the design of ongoing maintenance projects throughout the campus – partnering on projects both large and small as stewards of WVSU built assets. **We would be honored to continue our service to you for these much-needed improvements to each of these notable campus buildings, for which our team has experience serving previous improvement studies and completed projects.**

We appreciate your recognition that qualification is the most important aspect in selection of the right design team for this project, and we have crafted a very straightforward submission to address your stated evaluation criteria, with the sincere hope that we can have more time to discuss our approach to this project in a personal interview.

Our team's primary mission for this project is to guide the University through the planning and design process to deliver well-designed building improvements that realizes your vision and meets all project goals. We believe the combination of our firm's vast experience on campus, our existing understanding of each building's infrastructure, and our proven expertise with HVAC upgrades makes us uniquely qualified to work with you on these critical improvement projects. Thank you for reviewing our qualifications and we hope to have the opportunity to meet in person to discuss this project in greater detail.

Respectfully Submitted,

A handwritten signature in blue ink, appearing to read "Jody S. Driggs".

Jody S. Driggs, AIA, NCARB
President
jdriggs@silling.com

SIGNATURE/CERTIFICATION

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

JODY S. DRIGGS, AIA

(Name, Title)

PRESIDENT

(Printed Name and Title)

405 CAPITOL ST, UPPER ATRIUM, CHARLESTON, WV 25361

(Address)

304.346.0565

(Phone Number) / (Fax Number)

jdriggs@silling.com

(email address)

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

By signing below, I further certify that I understand the Commission/Institution is requiring the vendor to follow the provisions of WV State Code 5A-3-62 which automatically voids certain contract clauses that violate State law.

SILLING ARCHITECTS

(Company)



(Authorized Signature) (Representative Name, Title)

JODY S. DRIGGS, AIA PRESIDENT

(Printed Name and Title of Authorized Representative)

3/25/2024

(Date)

304.346.0565

(Phone Number) (Fax Number)



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1 / Firm Profile



WARNE, TUCKER, & PATTESON

WARNE, TUCKER, & PATTESON

SILLING ASSOCIATES
SILLING ARCHITECTS



WARNE, TUCKER, SILLING, & HUTCHINSON

C.E. SILLING & ASSOCIATES

TUCKER & SILLING



Firm Profile

SILLING ARCHITECTS

YEARS IN BUSINESS

122

PRINCIPALS

Jody Driggs, AIA, NCARB

LOCATIONS

Charleston, WV
Orlando, FL

STAFF SIZE

22

WEBSITE

silling.com

With award-winning expertise in diverse and specialized markets nationwide, our goal is to **inspire** and **empower** the lives, neighborhoods, and communities that encounter our work.

Silling Architects is a design-oriented architectural, planning, and interiors firm that is intensely committed to passionate service and a comprehensive response to our clients' distinct needs. We are fascinated with the study of place and time, informing a design process that adds relevance and meaning to our clients' stories. We are a legacy architectural firm with beginnings back in 1902, decades of service to seven generations of West Virginians and showcase a rich variety of building types where we live, work, and play.

At Silling, we place an extraordinarily high value on client and stakeholder relationships. We understand, at depth, the design and construction process and the untold number of participants involved in conceiving and executing a highly successful project. Managing the process is paramount to design excellence. Our clients find that we both listen and internalize; we both lead and follow; we are both innovative and practical; we respect the constraints of budgets and the demands of schedules, while passionately pursuing meaningful design solutions.





Proudly serving the campus of West Virginia
State University for nearly 100 years.

Justice & Gvmt

| Live/Work/Play

| Cultural

| Education

| Health & Wellness

1937-38 West Virginia State College men's basketball team photo courtesy WVU
Head Coach Mark Catlowell
Assistant Coach Floyd Brown
Wallace Simms, Robert Wilson, William Nott, Earl Lloyd
Tom, Cliff Ransom, Frank Eddy, Russell Miller, William Rye
Alfred Sherman, Melvin Green, George Hinkle, Charles Boyette
Wallace Hinkle, George Hinkle (manager)

CHARLESTON, WV + ORLANDO, FL

Consulting Team

OUR COLLABORATIVE PARTNERS

Our team of consultants represents the most competent and capable firms in their respective disciplines, and each has a strong history of delivering exceptional services to West Virginia State University and various other higher education clients throughout West Virginia. We have grown accustomed to their responsive design solutions and continue to hire each of these consultants due to the level of principal involvement and professional care they deliver.

SCHEESER BUCKLEY MAYFIELD (SBM)

MEPT Engineering

SBM will provide mechanical, plumbing, electrical, fire protection, and telecommunications engineering services for the team, and has a long and proven track record for excellent design service to our clients throughout West Virginia & beyond. SBM has been the MEP engineer of choice for Silling for over two decades serving a great multitude of projects totaling well over three million square feet of construction. Together, we provide a long and successful history of project collaboration and professional service that ensures a highly technical, yet seamless integration of architecture and engineering systems design.

SMBH

Structural Engineering

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

TERRADON CORPORATION

Civil Engineering + Landscape Architecture

Terradon provides a wide range of land development and civil engineering services, and is particularly suited to serve the project given their years' of successful experience serving governmental, educational, commercial, and recreational projects throughout West Virginia. Terradon provides a wide variety of engineering, environmental, surveying, and landscape architecture services utilizing cost effective design solutions and providing the highest level of service to our clients.



2 / Resumes



Team Organization



WEST VIRGINIA STATE
UNIVERSITY

Project Leadership

Jody Driggs, AIA

Principal in Charge
Silling Architects

Architecture + Interiors Team

Marie McCauley, AIA

Project Manager
Silling Architects

Martin Klapproth, Asoc. AIA

Building Envelope Designer
Silling Architects

Glenn Savage, CSI, CDT

Construction Administrator
Silling Architects

MEP, Structural, Land Development, & Cost Estimating

Chad Montgomery, PE, LEED AP

Principal Mechanical Engineer
SBM

Jim Eckman, PE, LEED AP

Principal Electrical Engineer
SBM

Joe Harless, RCDD

Senior IT Systems Designer
SBM

Greg Barsch, PE

Senior Structural Engineer
SMBH

Jim Nagy, PE

Senior Civil Engineer
Terradon

Jody Driggs AIA, NCARB

PRINCIPAL IN CHARGE

Jody is a twenty-six year member of Silling Architects and has served as a Principal since 2001. His primary focus within the firm is instilling a special notion of service and care in the way that we practice, rooted in a humility responsive to the level of trust our clients have in us. Jody's desire to serve exceptionally is a driving force in the studio's constant efforts of innovation and improvement. Jody also serves as an active design architect and project manager and appreciates the firm's opportunities to develop solutions for a diverse and ever-expanding client base. He seeks to understand the people within each project, and the stories that project means to tell, in order to customize a design team and engage in a discourse unique to every opportunity. The variety of both building typologies but more importantly, architectural language and character, are evidence of his and the firm's approach to client-centeredness and critical design.



EDUCATION

Bachelor of Architecture
University of Tennessee, 1996

REGISTRATIONS

Registered Architect: WV, FL, MD, PA, VA,
KY, OH

AFFILIATIONS

American Institute of Architects (AIA)
National Council of Architectural
Registration Boards (NCARB)
AIA Academy of Architecture for Justice

RELEVANT EXPERIENCE

D. Stephen and Diane H. Walker Convocation Center West Virginia State University

New 1,300-seat collegiate arena addition to an existing historic athletic and academic building. The project included 70,000 square feet of additions and renovations to meet the needs of modern-day teaching, learning, recreation, and varsity competition.

Gregory V. Monroe Athletic Complex West Virginia State University

New 5,600 square foot, two-story training and office facility that primarily houses the varsity football locker room, weight training, instructional, and administrative spaces for the coaching staff.

Judge Damon J. Keith Scholars Hall West Virginia State University

New 291-bed privately-developed residence hall that features a mix of two, three, and four-bedroom semi-suites, a 140-seat meeting room, a café, and student collaboration spaces.

Campus Master Plan West Virginia State University

2006 Campus Master Plan to address the significant growth opportunities of the University, the Land Grant Institute and West Virginia State Community and Technical College.

James C. Wilson Student Union Additions & Renovations West Virginia State University

New 291-bed privately-developed residence hall that features a mix of two, three, and four-bedroom semi-suites, a 140-seat meeting room, a café, and student collaboration spaces.

John Marshall High School Glen Dale, WV

Multi-phased reimagining of an educational campus including over 235,000 square feet of additions and renovations. The project features sweeping changes to address identity and safety, as well as teaching and learning spaces in both academic and social constructs.

Kanawha County Public Library Charleston, WV

Expansion and renovation of a downtown historic public library. The project included a 20,000 square foot modern addition and 80,000 square feet of renovations, exterior restoration, and new exterior lighting.

Monongalia County Justice Center Morgantown, WV

Adaptive reuse of a former GSA post office and office building, converting the 84,000 square foot, 4-level building into a new judicial facility. The project included all new HVAC, electrical, plumbing, elevators, and roofing systems.

Martinsburg City Hall Martinsburg, WV

Exterior façade re-design and interior renovations to an existing two-story, 22,000 square foot city hall. The program includes space for City's planning, finance, development, human resources, and administrative departments.

Marie McCauley AIA

ARCHITECT + PROJECT MANAGER

Marie is a registered architect that consistently pushes for innovative, user-focused design solutions. With over 15 years of experience, she has been serving a multitude of projects for our justice, civic, health + wellness, and educational clients. As a project manager, she collaborates with staff and consultants throughout the design process, maintains day-to-day project coordination and communication, and is responsible for architectural design and detailing. Both clients and coworkers appreciate Marie's aptitude for organization, clear communication, and team building.



EDUCATION

Bachelor of Architecture
University of Tennessee, 2007

REGISTRATIONS

Registered Architect: WV

AFFILIATIONS

American Institute of Architects (AIA)
AIA Academy of Architecture for Justice
AIA WV - President (2022-2023)

RELEVANT EXPERIENCE

Greenbrier County Courthouse Lewisburg, WV

A 25,180 square foot, 3-level addition to an existing historic courthouse, including 35,840 square feet in comprehensive building renovations. The 2-phased project provides for a new county administration wing while also consolidating all court functions under one roof.

Jackson County EMS Station 403 Kenna, WV

New 3,800 square foot EMS station featuring a two-car apparatus bay, living quarters, kitchen and laundry, and four bedrooms.

Cabarrus County Courthouse Concord, NC

New 240,000 square foot courthouse, as well as 72,000 square feet in existing facility renovations, four Superior Court jury-capable courtrooms, six District Court courtrooms, two future courtrooms, and a 45,000 square foot shell space for future expansion.

Greenbrier County Health Department Lewisburg, WV

Renovations to an existing 8,000 square foot county health department, as well as new additions totaling 2,400 square feet.

Harrison County General Administrative Services Annex Clarksburg, WV

New 72,000 square foot, four-level administration building serving the county's County Clerk, Assessor, Sheriff's Tax, Planning, Community Corrections, IT, and County Commission departments.

Marshall County Health Department Moundsville, WV

New 18,500 square foot health department featuring clinical and dental care service spaces, clinical administration and offices, environmental health, large storage rooms, a community training/meeting room, and drive through testing area.

Jackson County Animal Shelter Ripley, WV

A new 6,600 square foot animal shelter designed to facilitate and maximize pet adoptions. The facility features a spacious public lobby with a meet-and-greet room, cat adoption room, dog adoption kennels, separate quarantine rooms, and Sallyport.

Russell County Courthouse Lebanon, VA

Additions and renovations to an existing historic courthouse totaling 68,000 square

feet. The expansion project serves the county's Circuit, Juvenile & Domestic Relations, and General District Courts, as well as the Commonwealth's Attorney.

Marshall County Courthouse Entry Addition, Security Upgrades, and Building Renovations Moundsville, WV

Expansion of the courthouse entry to provide for greater security screening and queuing space. The \$6.6 million project also includes comprehensive HVAC and electrical system upgrades.

Marshall County EMS Station Moundsville, WV

Renovations to an existing 9,500 square foot building purchased by the county and converting it into modern EMS facility.

Union County Courthouse Multiple Addition & Renovation Projects Marysville, OH

Multiple improvement projects including a new courthouse entry addition for improved entry security screening, as well as various renovation projects for the Prosecuting Attorney, Auditor's Office, and Engineering Office.



Martin Klapproth Associate AIA

SENIOR BUILDING ENVELOPE DESIGNER

SILLING ARCHITECTS

Martin is a senior architectural designer with over 30 years of experience serving a broad group of building typologies with a focus on building envelope design, building sciences, and the firm's design software technologies. This specialized expertise allows him to bring a balanced approach of design and technical perspective to his projects, integrating building systems and performance criteria into design solutions that provide clients with thoughtful, comfortable, durable, and healthy buildings.

YEARS EXPERIENCE

30+

EDUCATION

Bachelor of Architecture
University of Cincinnati, 2003

AFFILIATIONS

American Institute of Architects
AIA Academy of Architecture for
Justice

PROJECT EXPERIENCE

WVSU D. Stephen and Diane H. Convocation Center - Institute, WV
WVSU Gregory V. Monroe Athletic Complex - Institute, WV
WVSU Dickerson Stadium Entrance & Ticket Office - Institute, WV
Concord University Alexander Fine Arts Building Roof Replacement - Athens, WV
Concord University Towers Residence Hall Renovations - Athens, WV
Martinsburg City Hall Renovation - Martinsburg, WV
Kanawha County Public Library Addition & Renovations - Charleston, WV
WVU/Thomas Hospitals St. Francis Orthopedic Hospital - Charleston, WV



Glenn Savage CSI, CDT

CONSTRUCTION ADMINISTRATOR

SILLING ARCHITECTS

Glenn has over 30 years of experience of inspecting and administering construction projects. His diverse expertise in construction oversight includes educational, governmental, healthcare, recreational, and residential building types. His attention to detail and his thorough understanding of how buildings should go together give him strong construction administration abilities. He is responsible for maintaining the project schedule, clear communication with builders and facilitating pre-construction meetings to provide clear definition of project goals and owner expectations, contractor submittal reviews, product samples, and shop drawings for conformance to the contract drawings and specifications.

YEARS EXPERIENCE

31

EDUCATION

-Bachelor of Science
University of Charleston, 1997
-Associate of Science, West
Virginia State University, 1992

PROJECT EXPERIENCE

WVSU Davis Fine Arts Center Roof Replacement Study - Institute, WV
WVSU President's House Roof Replacement - Institute, WV
WVSU Cole Complex HVAC Replacement - Institute, WV
WVSU Hill Hall HVAC Replacement - Institute, WV
WVSU Ferguson Hall HVAC Replacement - Institute, WV
WVSU Hamblin Hall HVAC Replacement - Institute, WV
WVSU Ferrell Hall HVAC Replacement - Institute, WV
WVSU Davis Fine Arts Center HVAC Replacement - Institute, WV
WVSU Cauty House Roof Replacement - Institute, WV
Kanawha County Public Library - Charleston, WV





Jim Eckman PE, CBCP, LEED AP

PRINCIPAL ELECTRICAL ENGINEER

SBM

For 35 years, Jim has been actively engaged in the electrical design and project management of hundreds of healthcare, secondary and higher education, institutional and commercial projects throughout Ohio and West Virginia. These projects include new construction, additions and renovations, design-build, and design performance criteria packages. His experience as both a contractor and consultant provide valuable insight into the design and construction process.

YEARS EXPERIENCE

35

EDUCATION

The University of Akron
BSEE, Electrical
Engineering, 1984

REGISTRATIONS

Engineer: WV, OH, IN,
NC, PA

PROJECT EXPERIENCE

WVSU D. Stephen and Diane H. Convocation Center - Institute, WV
WVSU Gregory V. Monroe Athletic Complex - Institute, WV
WVSU Cole Complex HVAC Replacement - Institute, WV
WVSU Hill Hall HVAC Replacement - Institute, WV
WVSU Ferrell Hall HVAC Replacement - Institute, WV
Kent State University Ice Arena Band Rehearsal Facility - Kent, OH
Kent State University White Hall Renovations - Kent, OH
Kent State University Bowman Hall HVAC Renovation - Kent, OH
The University of Akron Polsky Art Center - Akron, OH
Putnam County Sheriff's Department - Winfield, WV



Chad Montgomery PE, LEED AP, HFDP, BCxP

PRINCIPAL MECHANICAL ENGINEER

SBM

Chad joined SBM in 1997 and has served as a design project manager and lead mechanical engineer on a wide variety of projects. He has extensive experience in all aspects of the design of mechanical systems for buildings, including advanced HVAC, plumbing, and fire protection systems. He also acts as the project manager for his projects within the office, coordinating the design team's efforts to ensure a quality project, with emphasis on design deadlines and construction budgets.

YEARS EXPERIENCE

27

EDUCATION

Ohio Northern University
BSME/1997
Mechanical Engineering

REGISTRATIONS

Engineer: NC, WV, OH, NY,
PA, FL

PROJECT EXPERIENCE

Bowling Green State University Kohl & McDonald Halls HVAC - Bowling Green, OH
Case Western Reserve University Eldred Theater Hall Renovations - Cleveland, OH
Kent State University Ice Arena Band Rehearsal Facility - Kent, OH
Kent State University Bowman Hall HVAC Renovation - Kent, OH
Kent State University Dining Hall Air System Study - Kent, OH
Kent State University Trumbull Hall AHU Replacement - Kent, OH
Charleston Public Safety Center Study - Charleston, WV
Martinsburg City Hall Renovations - Martinsburg, WV
Putnam County Sheriff's Department - Winfield, WV
Marshall County Courthouse Expansion & Renovation - Moundsville, WV



Joe Harless RCDD

SENIOR IT SYSTEM DESIGNER

SBM

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

YEARS EXPERIENCE

31

REGISTRATIONS

Registered Communications
Distribution Designer (RCDD), 1997

PROJECT EXPERIENCE

WVSU D. Stephen and Diane H. Convocation Center - Institute, WV

WVSU F. Ray Powers Research Lab Renovation - Institute, WV

Concord University Towers Residence Hall Renovations - Athens, WV

Putnam County Sheriff's Department - Winfield, WV

Monongalia County Justice Center - Morgantown, WV

Marshall University Wellness Center - Huntington, WV

Kent State University White Hall Renovation - Kent, OH

Kent State University Center for the Visual Arts - Kent, OH

Kent State University Design Innovation Hub - Kent, OH



Greg Barsch PE

SENIOR STRUCTURAL ENGINEER

SMBH

Greg has been employed with SMBH since November of 2013. During this time, he has collaborated on many complex and creative projects to create designs that are not only practical and economical but also dramatic and exciting. Greg has used the latest computer programs and structural modeling techniques along with traditional engineering methods and experience to create these designs in both a timely and a thorough manner. His experiences in a wide variety of projects and in the construction field have given him the ability to adjust and excel in various design situations.

YEARS EXPERIENCE

29

EDUCATION

Bachelor of Science
Civil Engineering
Youngstown State University

REGISTRATIONS

Engineer: OH, WV

PROJECT EXPERIENCE

Ohio University Scripps Hall Renovation - Athens, OH

Kanawha County Public Library Addition & Renovation - Charleston, WV

Kanawha County Judicial Building Addition & Renovation - Charleston, WV

Ohio State University Ice Arena - Columbus, OH

Wheeling Hospital Cooling Tower - Wheeling, WV

Marshall County Health Department - Moundsville, WV

Edwards Roof & Deck - Powell, OH

WV Governor's Mansion Elevator Improvement - Charleston, WV



Greg Fox RLA, LEED AP

LAND DEVELOPMENT DIRECTOR

TERRADON

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

YEARS EXPERIENCE

35

EDUCATION

B.S. Landscape Architecture,
West Virginia University
B.A. Geography (Planning),
West Virginia University

REGISTRATIONS

Landscape Architect: WV, OH,
NC, SC, PA, VA

PROJECT EXPERIENCE

WVSU Judge Damon J. Keith Scholars Hall - Institute, WV

WVSU F. Ray Powers Building Renovation - Institute, WV

WVSU new Greenhouse Complex - Institute, WV

WVSU Lakin-Ray Field at Dickerson Stadium - Institute, WV

WVSU Various Campus Utility Upgrades - Institute, WV

Marshall University Applied Engineering Complex - Huntington, WV

Marshall University Student Recreation Center - Huntington, WV

Kanawha County Public Library - Charleston, WV

Putnam County Sheriff's Department - Winfield, WV



Jim Nagy PE

SENIOR CIVIL ENGINEER

TERRADON

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

YEARS EXPERIENCE

48

EDUCATION

B.A. Civil Engineering
West Virginia University

REGISTRATIONS

Engineer: WV

PROJECT EXPERIENCE

Harrison County General Administrative Services Annex - Clarksburg, WV

Cava Development - Bridgeport, WV

South Charleston Fire Station No. 3 - South Charleston, WV

South Charleston Fire Station No. 5 - South Charleston, WV

Harmony at White Oaks Assisted Living/Memory Care Center - Bridgeport, WV

West Virginia State Police - Fairmont, WV

3 / Relevant Experience



WVSU Walker Convocation Center

INSTITUTE, WV



SCOPE

70,000 SF
Additions &
Renovations

COST

\$17.3 million

STATUS

Completed in 2014

CONTACT

Sean Loyd
Athletic Director
WV State University
1.304.766.3000

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

The new D. Stephen and Diane H. Walker Convocation Center opened on March 1, 2014 and, in addition to having fully renovated classrooms, offices and locker rooms, the project features a new 1,300-seat arena addition for intercollegiate basketball and volleyball while also serving as the University's premier space for commencement and convocation ceremonies and other campus-wide gatherings. The primary space of the addition, the new convocation center and arena incorporates the finest of materials and systems, cleanly ordered and executed in the bold colors of the University. Together with dramatic athletic lounges, locker rooms, classrooms, and training facilities, the renovated and new facilities place WVSU at the top of its' conference among peer institutions and marks a bold new future for this 1891 Land Grant Institution in Southern West Virginia.

AWARDS: AIA WV Merit Award for Achievement in Architecture



WVSU Monroe Athletic Training Complex

INSTITUTE, WV



SCOPE

5,600 SF
New Construction

COST

\$3.5 million

STATUS

Completed in 2014

CONTACT

Sean Loyd
Athletic Director
WV State University
1.304.766.3000

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

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



WVSU James C. Wilson Student Union

INSTITUTE, WV



SCOPE

46,000 SF
Additions &
Renovations

COST

\$4.3 million

STATUS

Completed in 2005

CONTACT

Jerry Miller
Union Director
WV State University
1.304.766.3000

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

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

AWARDS: AIA WV Merit Award for Achievement in Architecture



MAIN FLOOR LEVEL



UPPER FLOOR LEVEL



LOWER FLOOR LEVEL

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



West Virginia State University

ADDITIONAL PROJECTS



DAVIS FINE ARTS CENTER
Roof Replacement Study



FERRELL HALL
HVAC Upgrades



HAMBLIN HALL
HVAC Upgrades



JAMES C. WILSON STUDENT UNION
HVAC Replacement



COLE COMPLEX
AHU Replacement



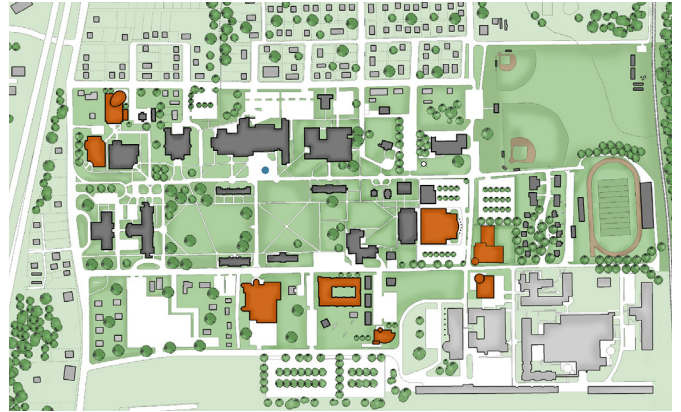
HILL HALL
Steam Boiler

West Virginia State University

ADDITIONAL PROJECTS



DICKERSON STADIUM
Entry & Ticket Booth



CAMPUS MASTER PLAN
Master Planning



DRAIN JORDAN LIBRARY
HVAC Upgrades



CANTY HOUSE
Roof Replacement



WALLACE HALL
Roof Replacement



SULLIVAN HALL
Elevator Equipment Room & Fire Alarm Panel

West Virginia State University

ADDITIONAL PROJECTS



PRESIDENT'S HOUSE
Roof Replacement & Arbor Design



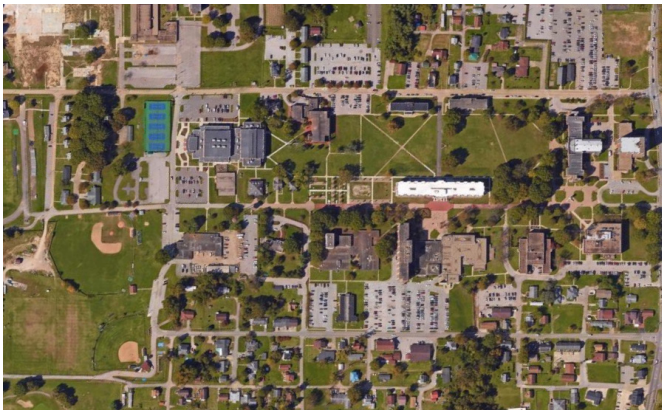
JAMES C. WILSON STUDENT UNION
Roof Replacement



WALLACE HALL
Boiler Replacement



AFRICAN ZION BAPTIST CHURCH
Historic Preservation



CAMPUS SITE INFRASTRUCTURE
Electrical Site Upgrades



F. RAY POWERS RESEARCH LAB
Renovations

Additional HVAC Projects

SILLING + SBM



CONCORD UNIVERSITY

Marsh Library Roof Replacement, HVAC, & Envelope



GREENBRIER COUNTY COURTHOUSE

HVAC Replacement



BECKLEY-STRATTON MIDDLE ACHOOOL

HVAC Replacement



HAMPSHIRE COUNTY WPA ANNEX

HVAC Replacement



MARSHALL UNIVERSITY

Edwards Performing Arts Center HVAC Replacement



JOHN MARSHALL HIGH SCHOOL

HVAC Replacement

Additional HVAC Projects

SILLING + SBM



JACKSON COUNTY COURTHOUSE
HVAC Replacement



KANAWHA COUNTY PUBLIC LIBRARY
HVAC Replacement



MARTINSBURG CITY HALL
HVAC Replacement



MONONGALIA COUNTY JUSTICE CENTER
HVAC Replacement



MARSHALL COUNTY COURTHOUSE
HVAC Replacement



KANAWHA COUNTY JUDICIAL BUILDING
HVAC Upgrades

4 / Our Approach





Our Project Approach

PROJECT MANAGEMENT

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

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

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



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

PROJECT PHASING & BUILDING OPERATIONS

Renovations to any academic building can be challenging, and the University must often remain operational during the construction period while ensuring the safety of the students, faculty, and staff. We'll work closely with the staff at WVSU, as well as the Fire Marshal, to safeguard any possible disturbances from becoming a disruption to the students and staff. Silling and our consultants have been a part of numerous HVAC system upgrades projects where portions of the

building remained occupied and operational. This can be accomplished by strategically establishing project phases with multiple substantial completion dates in order to turn over completed portions to the owner.

At the commencement of the project, a thorough building investigation will be conducted by our team of highly qualified architects and engineers that are experienced in designing and renovating educational facilities in West Virginia. It is important to identify the key renovation items and strategies at this early stage to guarantee the project remains on schedule and budget. All renovation items pertaining to the existing structural, mechanical, electrical, and elevator systems will be documented and thoroughly reviewed.

We'll do our best to maximize the owner's resources by investigating sustainable and economical solutions for your project's challenges. The project team, including the University, will be kept in the loop during all phases of design and construction. Thorough and efficient communication between all parties is the key to a successful project.

HVAC Upgrades

The team of Silling Architects and Scheeser Buckley Mayfield (SBM) have been involved in numerous HVAC upgrade and air handler replacement projects over the past 25 years. This includes general building renovations as well as specific system upgrades where HVAC, electrical system, and/or air handler replacement is the primary focus. We recognize that the condition of each building's heating and cooling system is paramount in maintaining the building's comfort, functionality, and performance -- and we work diligently to understand unique project circumstances and develop conceptual system designs and technical specifications and details to equip every project with the most appropriate systems available in today's construction market.

Our approach to managing these projects are based on leadership, focus, organization, communication, flexibility and attention to detail within a highly collaborative team environment. Our first responsibility is to acquire an in-depth understanding of the current project objectives and priorities of the University.

We understand that the existing HVAC systems at these buildings are deficient -- which clearly has a negative impact on your students, faculty, and maintenance staff. Our initial role will be to shepherd the process, aligning project expectations and budget based on rational, cohesive, and analytical motives. These critical first steps will allow the University to make appropriate decisions and develop cohesive design solutions which best serve the occupant needs for each campus building. Simply stated, we believe that Silling and SBM is the best design team in the region to handle the production and managerial responsibilities for delivering these projects on time and on budget, and has the best-fit architect and engineering consultant support to provide tailored leadership and design discipline expertise from visioning through execution.

We believe it is important to note that the Silling + SBM team has a very unique understanding and experience serving a variety of improvement projects for EACH of these campus buildings over the last 15 years.

Drain-Jordan Library Boilers (2009) SBM

Two 2500 gas fired modular hot water boilers were installed to take this building off the campus steam loop. The boilers were connected to the building water source heat pump loop piping.

Cole Complex Air Handling Unit Replacement (2016)

SBM worked closely with equipment manufacturers to design a system able to fit within an existing enclosure while still meeting the cooling and heating requirements. The heating source of the new unit was switched from steam to a natural gas furnace, requiring a new gas line to be installed to serve the new air handler. A platform was also included in the project to raise the unit off the ground and to provide a level surface. A unique challenge of this project was creating a system that was able to fit within an existing enclosure, which SBM successfully designed.

Ferrell Hall Chiller and Cooling Tower Replacement (2009)

The existing Ferrell Hall chiller and cooling tower were replaced with a water-cooled screw chiller along with the chilled water pumps and tower water pumps. The new chiller is a Trane RTWD water cooled screw machine. The cooling tower is an all stainless steel Marley tower with sound attenuators.

Fleming Hall Convocation Center (2012)

The project consisted of the demolition of the natatorium in the north half of the building, while maintaining building services to the remaining south half of the building. The south half of the building joined with a new 35,000 square-foot basketball arena addition. Substantial renovations of the existing portion of the building were done to accommodate new classrooms, team locker rooms, and general updates to the existing spaces to remain. The project proposed several challenges in that all existing building services entered into the basement of the existing natatorium. Also, the new addition intersected many of the underground utilities that were routed through the site, e.g. medium voltage, telephone and data, storm, sanitary, and gas. The HVAC design consisted of a Variable Refrigerant Flow (VRF) system with dedicated outdoor air for the renovated areas and packaged rooftop units for the new addition. The VRF system was intended to save



energy during shoulder seasons, while the dedicated outdoor air system recovered energy from locker room exhaust systems year-round. This system also was selected due to the limited ceiling space available in the existing building. The plumbing system consists of new domestic water heaters and plumbing piping throughout the facility with special attention given to the hot water demand of the shower rooms. The building will be fully protected with a new wet pipe automatic sprinkler system. The electrical design consisted of extensive site utility relocation and medium-voltage distribution modifications to allow for future campus growth through the use of padmounted metal clad switchgear and a sectionalizer switch. Campus telephone and data was transitioned for 3 affected buildings to VOIP in order to limit the extent of new cabling to fiber optics. The buildings were all brought online to the new systems prior to the demolition of existing services to prevent extensive outages. New lighting for the addition included multi-level switching and zoning schemes for the new arena. Public spaces were designed to employ LED technology along with digital occupancy and daylight controls. The existing building was retrofit throughout with new fluorescent

lighting and also employed occupancy sensor controls and relay based centralized lighting controls to aid the university in time-of-day programming capabilities and to allow for maximized energy savings. Fire alarm design included replacement of all existing devices within the renovation area and a new Edwards EST3 network fire alarm panel.

There was a variety of systems:

- 12 zones with PTACs that were existing and remained
- 5 packaged single zone RTUs to serve the practice gym and some larger spaces
- VRF system for all the other spaces in the old building
- 2 rooftop AHUs with energy recovery wheels for the locker rooms
- New gym/convocation center that was added had 8 packaged single zone RTUs, 6 of which handled the main gym
- Building used to have steam from the central plant, but it was demolished, new systems are all electric and natural gas

Wallace Hall Boiler and Chiller Replacement (2012)

Two 2500 gas fired modular hot water boilers were installed along with circulation pumps to replace existing boilers serving the building. The boilers were reconnected to the building's heating water loop. One new 250-ton chiller was installed to replace an existing chiller and was reconnected to the chilled water system pumps and loop.

Our team includes our mechanical, electrical, structural, and civil engineering consultants of choice in order to adequately understand and address the interaction of the HVAC systems with the existing structural and architectural conditions. These engineers will bring great perspective in determining the design strategy and sequence of system replacement and inform how we can make minimal modifications and disruption to the existing building. A clear understanding of these elements and potential strategies to effectively and efficiently "retrofit" new systems can and should be coordinated into the overall project scope.

QUALITY ASSURANCE + QUALITY CONTROL

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

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

most experienced architects in the firm, not focused on the minutia of daily project management, to provide critical peer review and analytical critique of the work product. However, while most design firms would see this as an internal process directed only at the various design disciplines and documents, we believe we have been most successful when this concept is extended to include quality assurance and control aimed at our client's goals and expectations.

BUDGET + BID PERFORMANCE

Our successful track record in meeting our client's budget requirements, we believe, is second to none. It is this record and our continuous ability to accurately estimate and appropriately administer construction projects that will greatly benefit the University in proper project planning, funding, and implementation. Certainly, no client wants to endure the negativity and frustration surrounding projects that are overbid or wrought with change orders. At Silling, we are committed to a sound and proven approach to developing a thorough project budget in concert with the University at the initial project steps: developing accurate project estimates at critical design milestones of 50% and 95% by proven cost estimators; relying on the information and relationships with general contractors, subcontractors and industry suppliers; compiling a thorough, well-coordinated, and unambiguous set of contract documents; and appropriately administering the construction contract and controlling construction phase changes.

We have found that experience at the University and inside the state of WV is critical to the budget success of the project, and the familiarity with the nuances of the local construction marketplace cannot be overstated. Our experience over the past decade numerous similar projects has created a database that far exceeds the knowledge base of our closest competitors, and we are certain that this experience would directly inform these very important HVAC renovation projects.

CONSTRUCTION PHASE SERVICES

The Construction Administration Process is a phase of design services that Silling and our teammates understand and manage with the highest level of professionalism and effectiveness. Most importantly,



we will be a cooperative presence on the site representing the owner and design team. While we will need to communicate with you more to understand the nature of staffing most appropriate for our project, we understand that our role will be to protect the owner and ensure that the design intent, both in concept and in detail, is realized. Again, we bring a spirit of cooperation and teaming to do all that we can to avoid construction conflicts and keep the project moving toward a successful implementation of the design concept while being supremely flexible as obstacles present themselves.

Our Construction Period Services Management team is responsible for facilitating preconstruction meetings providing clear definition of project goals and owner expectations, reviewing contractor submittals, product samples, and shop drawings for conformance to the contract drawings and specifications, attending progress meetings to maintain clear communication with builders, observing installation of materials and systems to verify their conformance with the design intent, and monitoring the project schedule.

5 / Client References





Client References

We believe our firm's culture of service permeates everything that Silling does and is what leads to very satisfied clients. Skillful 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 Architects. This is most obvious in the number and references of our many repeat clients across the region.

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