



1540 Corporate Woods Parkway
Uniontown, OH 44685
330-526-2700

RECEIVED
2020 SEP -2 AM 10: 20
WV PURCHASING
DIVISION

ScheeSeser Buckley Mayfield

Consulting Engineers

Buckhannon Phase II Addition Commissioning Services

**State of West Virginia Department of Administration
Purchasing Division
CE01 0603 ADJ2100000006**

September 1, 2020

**Mechanical | Electrical | Site Civil | Technology Systems
Fire Protection | Forensic | Commissioning**



will help in the review process and enhance the design. Our goal as commissioning agents will be to ensure the owner receives the best design which works for all parties involved.

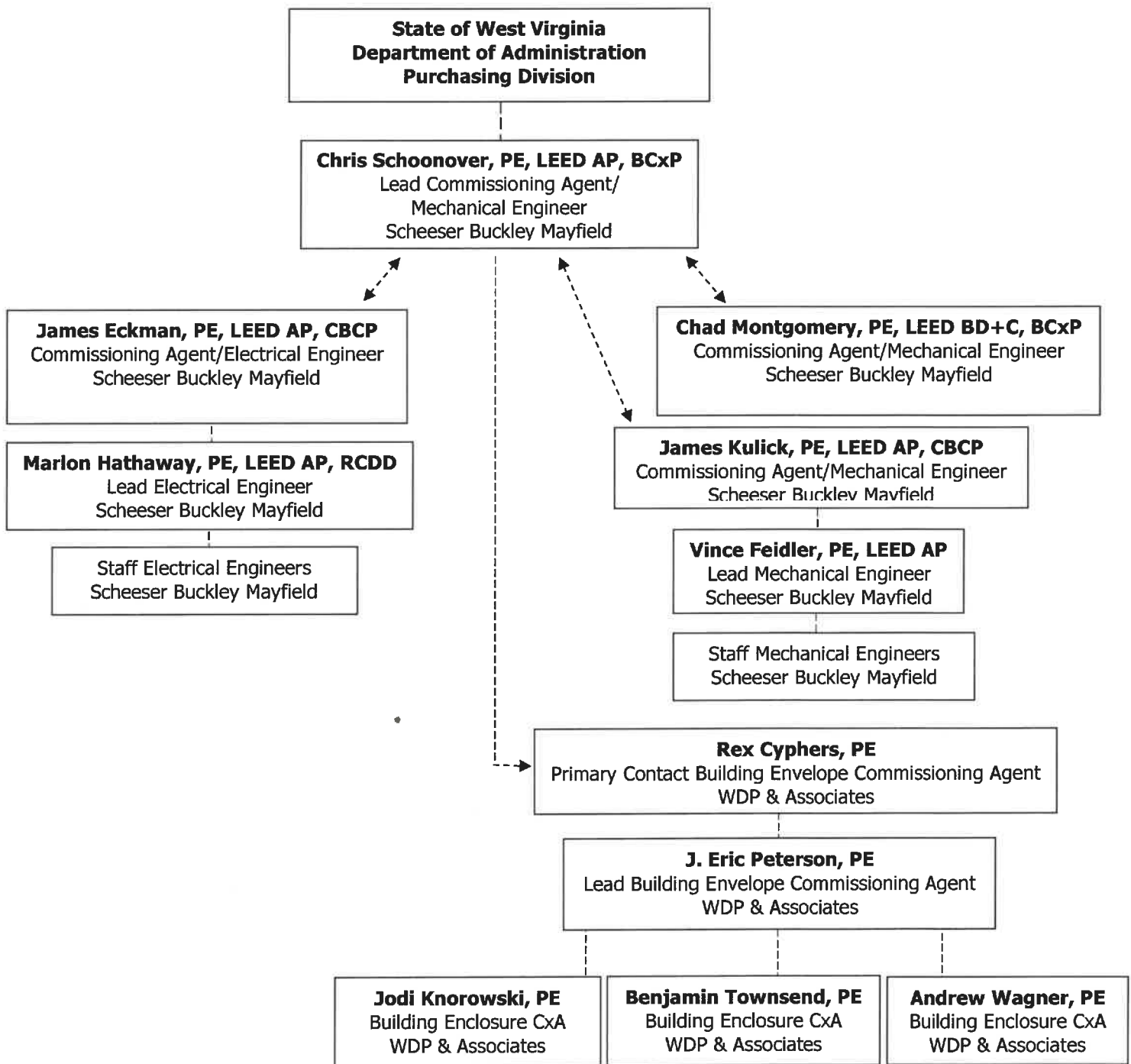
WDP recognizes the importance of a collaborative approach to building enclosure commissioning on large building projects. The management of WDP strives to behave as an extension of the client's staff. WDP will develop a staffing plan for the projected workload, to be able to coordinate technical resources to meet the project schedule and allocate the most appropriate staff to handle specific tasks exactly when they are needed. Many clients have found WDP's overall institutional knowledge and ability to draw from internal expertise from a variety of staff experiences to be an added benefit of their approach, as clients are not limited to the knowledge and experience of a single staff member.

Commissioning Methods

1. Any design correspondence available will be reviewed to ensure an understanding of priorities and goals, as well as any value-based decisions that may have impacted the design.
2. A thorough review of the design documents organized in a spreadsheet or online format with references, recommended considerations, proposed person of responsibility and closed/open status.
3. Follow-up with feedback from the design team and/or subsequent submission reviews to ascertain whether open items on the review checklist have been closed.
4. This review process then repeats at each phase: design, construction, and post-construction.

Attached to this package are sample reports from prior projects. We find that the tabular spreadsheet format is conducive to obtaining some interaction with the entire design team to consider the pros and cons of any suggestions made, while verifying that a decision has been made and the result has been incorporated into the design documents. By obtaining buy-in from the entire design team, the responsibilities of each team member are preserved and the project benefits by having a more collaborative design without sacrificing efficiency. By resolving these issues during design, the cost impact of timely decisions and reduction of construction changes will have a positive impact on the project budget.

Like any project meetings, peer review meetings need to be positive and collaborative. This can be challenging if team members feel like their design is being compromised. The key is to make all interactions respectful and with full consideration to the efforts of the designer. This team has been praised in the past for our ability to work with other AEs and even direct competitors. We always want to act in the best interest of our clients and owners. An example of this is our commissioning work at the VA Medical Center in Cleveland, Ohio. We were concurrently designing work at this hospital and competing with a firm whose work we were reviewing. Yet we found the peer review process increased our mutual respect. It also has led to other collaborations because



SBM enhances lives through effective engineering.



**PASSIONATE
PEOPLE**



**COLLABORATIVE
COMMUNICATION**



**PRODUCTIVE
PROBLEM
SOLVING**



**EXCEPTIONAL
ENGINEERING**

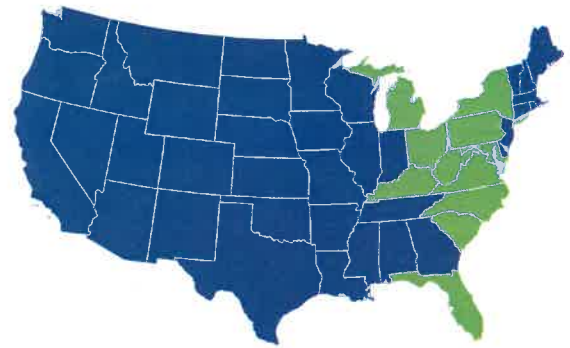
At SBM, our greatest asset is our staff.

Our employees are passionate about what they do. Our firm is small enough to offer individualized attention to each client, yet large enough to successfully complete complex, large-scale projects.

Our production departments consist of mechanical, electrical, site civil and technology engineering teams, complemented by a knowledgeable drafting department and conscientious support staff. Our principals are hands-on, mentoring our less-experienced engineers and providing a wealth of information to our clients. Each of our projects includes principal involvement throughout design and construction. They enjoy rolling up their sleeves and working directly with owners, architects, and contractors to develop solutions.

SBM's engineers truly care about what they do. They share the mindset of fully understanding the 'why' behind a building before determining the 'how' to make its systems work. Because understanding the 'why' results in a better design, a better system, and a better facility.

When we work with you, our team becomes your team. We're pretty impressed with them. We know you will be, too.



SBM has professional engineers registered in 11 states.

Scheeser Buckley Mayfield

Yes, we know it is a lot to say. But, those names have meaning, especially to those who know and admire the men behind them. Walt Scheeser and Ned Buckley formed a partnership for mechanical engineering over six decades ago – back when tools of the trade included T-squares and slide rules. After determining the need for an electrical engineering department, Rex Mayfield's company merged with them in 1987 to form Scheeser Buckley Mayfield.

SBM's founders stressed integrity, hard work, and building relationships. These ethics have sustained us and made us successful. We know they will continue to do so for the next 60 years and beyond.

Buckingham Place • Austin • Commercial Services
CEOs: 512.476.1000

P. 6



☎ 330-526-2709
☎ 330-472-8601
✉ cschoonover@sbmce.com

EDUCATION:

The Pennsylvania State University
BSAE/1993
Architectural Engineering

CREDENTIALS:

LEED Accredited Design
Professional
Building Commissioning
Professional (BCxP)

Registered Professional Engineer
[Mechanical] in Ohio, Michigan,
West Virginia, North Carolina, and
Pennsylvania

Chris Schoonover, PE

LEED AP, BCxP

President – Mechanical Engineer

Chris joined Scheeser Buckley Mayfield in 1993, became a principal in 2006, and became president of the firm in 2019. He has served as commissioning authority, principal-in-charge, project manager, and lead mechanical engineer on a wide variety of projects, primarily for universities and health care facilities. He has extensive experience in all aspects of the design of mechanical systems.

Chris has continued Scheeser Buckley Mayfield's tradition of forging long-term relationships with clients. He enjoys working on a large variety of projects. From small, single-room modifications to brand new multi-million dollar buildings, Chris knows that Scheeser Buckley Mayfield's success is defined by the quality of our projects.

Chris' breadth of design experience gleaned throughout his career gives him the background and knowledge to be a successful commissioning authority. He enjoys going into the field and the hands-on approach necessary for commissioning projects. Chris' communication skills, approachable demeanor, and skill in resolving problems allow him to effectively bring together all parties involved to make a project successful.

Of particular note is Chris' experience commissioning various projects at the Louis Stokes Wade Park VA Medical Center, which total nearly \$14 million in construction. Here Chris prepared Cx plans, design reviews, specifications and test forms. He witnessed testing for air handlers, air terminals, duct systems, fans, temperature controls, heating equipment and other systems in this critical environment.

SELECT COMMISSIONING EXPERIENCE:

Akron Zoo Komodo Kingdom Education Center, Akron, OH
Cuyahoga Community College EEC Upgrade, Cleveland, OH
Wade Park VA Medical Center Renovate Inpatient SCI, Cleveland, OH
Wade Park VA Medical Center Enhance/Consolidate Mental Health, Cleveland, OH
Wade Park VA Medical Center Endoscopy, Cleveland, OH
University Hospital Medical Center Service Building, Cleveland, OH

Simply better.

1540 Corporate Woods Parkway, Uniontown, OH 44685 | sbmce.com



☎ 330-526-2738
📱 330-806-2780
✉ cmontgomery@sbmce.com

EDUCATION:

Ohio Northern University
BSME/1997
Mechanical Engineering

CREDENTIALS:

LEED BD+C Accredited Design
Professional
ASHRAE Healthcare Facility
Design Professional (HFDP)
Building Commissioning
Professional [BCXP]

Registered Professional Engineer
(Mechanical) in Ohio, New York,
and Pennsylvania

Chad B. Montgomery, PE

LEED AP BD+C, HFDP, BCxP

Vice President Mechanical Engineer

Chad joined Scheeser Buckley Mayfield after graduating from Ohio Northern University in 1997. He has served as commissioning authority, as well as lead project designer, project manager and principal-in-charge on many projects over the last 20 years. These projects have ranged from minor renovations to over 100,000 square-foot hospital additions, leading to a vast knowledge of various systems and issues.

Chad is a very hands-on engineer, enjoying the opportunities to bring test instruments to the jobsite for verification and/or troubleshooting. Chad has worked alongside other commissioning consultants as the lead designer, and has been the commissioning authority on projects. This experience in both roles is important, as the understanding of all sides of the project -from inception through design, construction and turnover to owner- provides a broad depth of knowledge.

It is important to ensure that proper communication takes place early and often to make sure all parties are thinking and working towards the same goals and expectations. Chad communicates and works well with various team members including contractors, engineers, and owners.

SELECT COMMISSIONING EXPERIENCE:

Aultman Hospital AC-54 Replacement, Canton, OH
Kent State University Salem Campus Health & Science Wing, Salem, OH
Kent State University Twinsburg Regional Academic Center, Twinsburg, OH
Hattie Larlham Akron Food Hub, Akron, OH
St. Elizabeth Boardman Hospital – Commissioning, Boardman, OH
St. Elizabeth Boardman Hospital – Recommissioning, Boardman, OH
Urology Center for Excellence, St. Elizabeth Health Center, Youngstown, OH



 330-526-2713
 330-705-5973
 mhathaway@sbmce.com

EDUCATION:

The University of Akron
BSEE/1992
Electrical Engineering

CREDENTIALS:

LEED Accredited Design
Professional
Registered Communications
Distribution Designer (RCDD)

Registered Professional Engineer
(Electrical) in Ohio, West Virginia,
Kentucky, Florida, South Carolina,
New York, Michigan and
Pennsylvania

Marlon Hathaway, PE

LEED AP, RCDD

Vice President Electrical Engineer

Marlon has been troubleshooting electrical systems for over 15 years. He has pin-pointed connection issues, failed transformers, weak connections, etc. to alleviate intermittent electrical failures. Marlon is a hands-on electrical commissioning provider and personally attends equipment startup to provide constructive assistance to ensure successful commissioning.

Marlon has been involved with LEED Enhanced commissioning throughout the design and construction phases. His involvement begins with the review of the Owner's Project Requirements (OPR) followed by the development of the Basis of Design (BOD). He has reviewed the design documents and specifications at the schematic, design development, and contract document phase. For each submission, Marlon includes a complete drawing review of the electrical systems commissioned and an issues list is generated. Marlon then reviews further for any errors or mistakes which could result in a contractor change order. These issues are then brought to the attention of the design professionals and remedied prior to construction. The issues list is discussed in design review meetings and incorporated into the design document. The entire process is an effort to complete the OPR, so nothing is left to misinterpretation. Detailed commissioning specifications are written for every project where Marlon has commissioned electrical systems. These specifications define the electrical contractor's responsibility and also include pre-functional and functional test sheets for all equipment and systems to be commissioned.

Marlon has been a design engineer for over 25 years and has an extensive working knowledge of electrical components and systems. Marlon's expertise is not limited to pieces parts. He is aware of how individual components affect the overall electrical system and how this system serves the building occupants. Electrical systems are essential for life safety & as a means of egress; therefore, Marlon tests the systems by real world simulation. Every commissioning project must end with all the components verified & proven to be operating as designed.

SELECT COMMISSIONING EXPERIENCE:

Cunz Hall, The Ohio State University, Columbus, OH
 Sullivant Hall, The Ohio State University, Columbus, OH
 OARDC Agricultural Engineering Building, The Ohio State University, Wooster, OH
 Crystal Clinic Orthopaedic Center New Hospital, Fairlawn, OH
 Advanced Technology Center North Central, Fairmont, WV
 Marshall University School of Medicine Research Pharmacy, Huntington, WV

Simply better.

1540 Corporate Woods Parkway, Uniontown, OH 44685 | sbmce.com

Rex A. Cyphers, P.E. – Principal | Primary Point-of-Contact



Mr. Cyphers, P.E., is a Principal and Chief Operating Officer with WDP & Associates Consulting Engineers, Inc., working primarily out of the Hinton, West Virginia, office. He is responsible for overseeing the work of all WDP divisions, WDP's hiring process, staff development, and company operational decisions.

Mr. Cyphers specializes in the design and repair of masonry structures, historic preservation, and nondestructive testing. He performs forensic field and laboratory investigations, façade and building envelope investigations, structural inspection/analysis and design, architectural retrofit and repair, roofing and waterproofing investigations, and development of design documents, and repair recommendations.

Mr. Cyphers regularly presents and co-authors for various technical publications.

Education

- Master of Science, Civil Engineering, West Virginia University, 2003.
- Graduate Certificate, Cultural Resource Management, West Virginia University, 2003.
- Bachelor of Science, West Virginia University, Civil Engineering, 2002.

Professional Registration

Professional Engineer – WV, VA

Professional Memberships/Committees

ASTM E3069 – 17 Standard Guide for Evaluation and Rehabilitation of Mass Masonry Walls for Changes to Thermal and Moisture Properties of the Wall

ASTM Committee E06.24 Performance of Buildings-Preservation and Rehabilitation Technology

- Task Chair, "New Guide for Evaluation, Rehabilitation and Retrofit of Existing Steep Sloped Roof Assemblies for Changes in the Thermal and Vapor Resistance of the Assemblies"
- Task Chair, "New Guide for Evaluation and Rehabilitation of Mass Masonry Walls for Changes to the Thermal and Moisture Properties of the Wall"

Relevant Experience

West Virginia State Capitol Dome, Moisture Investigation, Charleston, WV. Principal-in-Charge: Investigation into chronic water leakage in this 1930s structure designed by architect Cass Gilbert. Performed diagnostic water tests, exploratory openings, installation of sensors and instrumentation, and review of prior design documentation to determine source of interior damage. Developed repair recommendations and construction documents for solicitation of Bidders. Will provide oversight during execution of repairs to the historical structure.

West Virginia University, South Agricultural Sciences Building, Exterior Cladding Replacement, Morgantown, WV.

Designer of Record: Principal-in-Charge: WDP developed full contract documents to replace the existing metal panel façade of the building with brick, stone and precast elements. Numerous structural and moisture related problems were present in the building that had to be overcome in the design which allowed for the existing lab and research spaces to remain operational while the exterior of the building was removed and replaced.

West Virginia Public Service Commission Headquarters, Façade Repair & Replacement Design, Charleston, WV.

Principal-in-Charge: Responsible for building envelope and structural conditions assessment and subsequent façade repair/replacement design services for WDP as joint venture member with a construction firm. The office building is a steel-framed structure with brick exterior that required maintaining building occupancy throughout the entirety of the project. WDP's design improved the thermal performance of the wall assembly and glazing. The design involved complete removal of the building's exterior, providing temporary enclosures to protect interior finishes and building occupants, and replacement with new brick, air barrier and thermal insulation on a phased demolition and construction plan to ensure minimal disruption to the building occupants. During construction, a number of deficient conditions of the existing building were uncovered that brought design challenges to ensure compatibility between the new façade and the structural components of the building.

West Virginia University, College of Physical Activity and Sports Sciences (CPASS) Building, Morgantown, WV.

WDP was retained to evaluate the condition of previously installed windows that were experiencing water infiltration. WDP reviewed the window submittals and shop drawings to understand what components of the building envelope were potentially contributing to the observed water infiltration. Diagnostic window testing was then performed to recreate the reported leakage and observe potential paths of the water migration. WDP prepared a report outlining the findings, observations, and recommendations for repairs.

Jodi M. Knorowski, P.E. | Building Enclosure Commissioning Agent



Ms. Knorowski joined WDP in 2013 and has seven years of experience providing professional design, building condition assessments, and construction administration services for post-occupancy failures of existing buildings related to the building envelope. She has performed diagnostic field investigations to determine the root

cause of these failures in order to develop repair recommendations. In this process, she has utilized hygrothermal modeling techniques to analyze the long-term effects of heat and moisture movement through a wall or roof assembly. Jodi has also provided clients with construction monitoring services for new construction and performed quality assurance testing and observations of the structural, material, and architectural elements of the building envelope.

Education

- Master of Science, Civil Engineering, Old Dominion University, 2012
- Bachelor of Science, Civil Engineering, Old Dominion University, 2010

Professional Registration

- Professional Engineer – VA
- WUFI-ORNL 5.3 / WUFI-Pro 5.3 & Weather Analyzer 1.0
- NFRC Certified Simulator

Professional Memberships / Committees

- ASTM C16 Committee, Voting Member
- ASTM E06 Committee, Active Participant
- ASHRAE TC 4.4, Provisional Corresponding Member

Relevant Experience

Virginia Commonwealth University, New Children's Hospital Building Envelope Commissioning, Richmond, VA. *Project Engineer.* Supported WDP's role as the Building Envelope Commissioning Agent by performing peer review services for the design documents and meeting with the project team to discuss the implementation of the comments provided. Performed site visits to observe the installation of the below grade waterproofing.

University of Virginia, Student Health and Wellness Building Envelope Commissioning, Charlottesville, VA. *Project Engineer.* Supported WDP's role as the Building Envelope Commissioning Agent by performing hygrothermal analysis of proposed wall and roof assemblies. Provided recommendations

to improve the long-term performance of these assemblies in the form of peer review comments.

University of Virginia, Softball Stadium BECx, Charlottesville, VA. *Project Engineer.* Ms. Knorowski supported WDP's role as the Building Envelope Commissioning Agent by performing hygrothermal analysis of the proposed wall and roof assemblies for a new softball stadium at the University of Virginia. She also provided recommendations to improve the long-term performance of these assemblies in the form of peer review comments.

University of Virginia, Medical Center Air Infiltration Investigation, Charlottesville, VA. *Staff Engineer.* Performed a field evaluation to identify existing conditions that were contributing to frost formation and mold growth on the interior of portions of the 7th and 8th floor of the building. Coordinated a work plan to comply with ICRA requirements and developed a site-specific safety plan for the investigation. Deployed temperature and relative humidity sensors to understand heat and moisture flow through the spaces in addition to performing isolated test cuts to observe window integrations. Based on the findings, developed a report outlining a tiered approach for repair options to include approximate cost and schedule implications.

University of Virginia, Alderman Road Dormitories, Charlottesville, VA. *Staff Engineer.* Performed construction monitoring services for new construction of a student dormitory. Made regular site visits to observe the installation of building envelope components, to include but not limited to the air/water barrier, fenestration, flashing, and roof integrations. Provided daily field reports and maintained an observation log to ensure all comments were properly addressed by the project team. These services were performed after WDP provided peer review services for the Client.

West Virginia Capitol Dome Moisture Intrusion, Charleston, WV. *Project Engineer.* Oversaw the investigation and subsequent repair design into chronic water leakage of the 1930s-structure designed by architect Cass Gilbert (designer of the United States Supreme Court Building). This project required security clearances and site-specific training to access the project site and perform the work. WDP performed diagnostic water tests, exploratory openings, installation of sensors and instrumentation, and review of prior design documentation to determine the root cause of interior damage. Among other things, bulk water infiltration at intersections of building elements caused supplementary internal drainage elements to freeze and fail, which led to significant damage of interior finishes. WDP developed repair recommendations, construction documents, and provided bid assistance. Construction is in progress, with WDP providing construction administration services.

Andrew W. Wagner, P.E. | Building Enclosure Commissioning Agent



Mr. Wagner joined WDP & Associates in 2007. He specializes in the evaluation and repair of building enclosures and facades, where he has over ten years of experience helping clients diagnose, remedy, and prevent problems. He has completed projects in multiple industry sectors including Healthcare, Higher

Education, K-12, and historic preservation. He is active in the development of new industry standards through ASTM and is the chair of the task group responsible for ASTM E241, "Standard Guide for Limiting Water-Induced Damage to Buildings." He is also a member of the Air Barrier Association of America (ABAA) Research Committee, past Vice President of the Central Virginia Chapter of CSI, has written numerous papers relating to the building envelope, and routinely speaks at industry organizations.

Education

Bachelor of Science, Civil Engineering, Virginia Tech, 2007

Professional Registration

- Professional Engineer – VA
- Licensed Field Auditor by Air Barrier Association of America

Professional Memberships / Committees

- Air Barrier Association of America
- ASTM Committee E06 on Performance of Buildings
- E06.41 – Air Leakage and Ventilation Performance
 - Task group chair for E06.41.04
- E06.51 - Performance of Windows, Doors, Skylights and Curtain Walls

Relevant Experience

Virginia Department of General Services, General Assembly Building, Richmond, VA. Senior Engineer: Provided Building Envelope Commissioning (BECx) services related to the design phase of the project, to include peer review of Design Documents. Currently, transitioning into construction phase services to include periodic site visits to monitor the installation of the building envelope, submittal review, advisory RFI review, and attendance at pre-installation meetings.

Virginia Commonwealth University, Children's Hospital Expansion, Richmond, VA. Senior Engineer: Role includes peer review of building envelope, periodic site visits, advisory review of submittals and RFIs, attendance at pre-construction meetings, & working sessions with Designer and Contractor.

University of Virginia, Children's Hospital, Charlottesville, VA. Senior Engineer: Provided building envelope peer review services for the project to assist the A/E of record, Odell, in the development of the Drawings and Specifications. Starting with Development Drawings and working through the issuance of Contract Documents, WDP performed several review iterations as the level of detail related to the building envelope within the design documents progressed. During construction, performed periodic site visits to observe the installation of building envelope conditions and proactively identify coordination items that required clarification from the design team. Additionally, performed quality assurance testing of fenestration systems to verify installed performance was consistent with the Project Specifications.

University of Virginia, Student Health and Wellness BECx, Charlottesville, Virginia. Senior Engineer: Performed peer review of Design Documents to aid the Architect of Record in development of building envelope details. Reviewed RFIs, submittals, and conducted periodic site visits during construction of building envelope.

Sentara Timberville Health Center Building Envelope Consulting, Timberville, Virginia. Project Manager: Performed building envelope consulting services to existing structure and for expansion of the hospital. Conducted site inspections and provided reports.

Sentara Hospital System, Various Virginia Locations. Project Manager / Senior Engineer: WDP has performed numerous investigations, evaluations, design reviews, and repair projects for Sentara Health System in their facilities throughout the mid-Atlantic region. The projects have ranged in size and scope on 12 facilities within their network with four projects currently active. Work for this client includes water infiltration testing, infrared thermography, field vector mapping, visual observations, probe openings, borescope surveys, ground penetrating radar, and masonry material testing.

James Madison University, Grace Street Student Housing ABAA Audit, Harrisonburg, Virginia. Senior Engineer: Performed an ABAA (Air Barrier Association of America) audits for JMU student housing located on Grace Street. Air barrier audits consisted of limited site visits to observe progress and air barrier installation. The primary air barrier material was sprayed polyurethane foam, as such material samples were taken to verify consistency of foam density and adhesion tests were conducted on the self-adhered transition membranes installed as part of the air barrier system.

**LOUIS STOKES VETERANS AFFAIRS MEDICAL CENTER, CLEVELAND, OHIO
541-16-106 Renovate Inpatient SCI**

**CONTRACT DOCUMENT REVIEW
Drawings Dated 3/18/16 - 100% CD Documents**

ISSUE NO.	DATE	Drawing/ Spec #	CX REVIEW COMMENTS	DATE	DESIGN TEAM RESPONSE	DATE	OWNER RESPONSE	DATE	CX RESPONSE
01	3/1/16	P Series	Generally see if plot settings can be improved for better clarity of piping. Our office struggles with this aspect of Revit and piping as well. It also is very dependent upon how the hard copies are printed. Good luck - we know it is tough.	4/1/2016	Plots have been adjusted.			29-Mar	Closed
02	3/1/16	1-P2.0	Watch phasing lines blocking keynotes.	4/1/2016	Keynotes moved			29-Mar	Closed
03	3/1/16	1-H0.2	Verify access to the filter banks for changeout. If using slide-in racks may want to explicitly call out access doors.	4/1/2016	AD's noted.				
04	3/1/16	1-H0.2	Key note #18 - should these be motorized dampers?	4/1/2016	Yes added to dwg.			29-Mar	Closed
05	3/1/16	1-H0.2	Key note #29 - should this be a motorized damper?	4/1/2016	Yes added to dwg.			29-Mar	Closed
06	3/1/16	1-H0.2	May want to provide more detail about which pipes penetrate the AHU, and remind contractor to seal weather tight. Could not find exact reference to what pipes use key note #27, but presume it is LPR. Notes might also be added to sheet 1-H2.0 to assist.	4/1/2016	Notes updated.				
07	3/1/16	1-H0.5	Which rooms would receive occupancy sensors?	4/1/2016	All rooms. This has been added to general notes.				
08	3/1/16	1-H0.5	May want to clarify the intended scope of work with air terminal replacements. Will contractor be expected to replace reheat control valves? Thermostats?	4/1/2016	Clarified in schedule notes.			29-Mar	Closed
09	3/1/16	1-H0.5	Verify whether existing controls tie-in to perimeter heating system (they did under our design in 1998). This may want to be reflected on the controls sequences.	4/1/2016	Corrected				
10	3/1/16	1-H0.6	Consider including fan isolation dampers in sequences.			4/12/2016	Dampers omitted due to fan operation time	29-Mar	Closed
11	3/1/16	1-H0.6	Should sequence of operation address multiple fans? For example, do all fans modulate together? Will one supply fan stay off as reserve? How should system react upon failure of a fan?			4/12/2016	Sequences reviewed and approved.		
12	3/1/16	1-H0.6	Show separate flow measurements for each fan?	4/1/2016	Covered in fan wall spec.			29-Mar	Closed
13	3/1/16	1-H0.6	Add sequence of operation and damper controls for vestibule cooling via relief?	4/1/2016	Done.			29-Mar	Closed



Confidential Government Laboratory Building, Southern United States
General Services Administration Altmeyer, BECx of Façade Modernization, Woodlawn, Maryland
Virginia Tech, Signature Engineering Building, Goodwin Hall, Blacksburg, Virginia

Sullivant Hall Commissioning

Columbus, OH

PROJECT DETAILS:

- Renovation
- 147,885 sq. ft.
- \$16,200,000
- LEED Certified

SERVICES PROVIDED:

- LEED Enhanced Commissioning



Scheeser Buckley Mayfield provided LEED Enhanced Commissioning for mechanical and electrical systems for a renovation of an existing building on the campus of The Ohio State University. Scheeser Buckley Mayfield utilized Wheaton and Sprague Building Envelope to provide envelope commissioning. The 3-story building was built in 1913 and includes faculty offices, staff office areas, classrooms, conference rooms, lobby, library and support space, museum, archive storage spaces and dance studios with support spaces.

The building was gutted and renovated. The mechanical system consists of refurbished built up air handling units with chilled water-cooling coils and hot water heating coils. New electric-cooled packaged roof top units were also installed to control temperature and humidity in the museum and archive storage areas. For heating and dehumidification needs, the campus steam was used and converted to heating water. Delta digital controls were used throughout the building to maintain tight temperature and humidity levels, which is a requirement in the museum and archival storage areas. The plumbing systems were commissioned to comply with LEED requirements. The electrical systems commissioned were fire alarm, lighting controls, the emergency power system, the elevator and the building interface.

Contact: Nikolina Sevis, 614-293-8244, sevis.2@busfin.osu.edu

Roxboro Middle School Commissioning

*Cleveland Heights,
OH*

PROJECT DETAILS:

- Renovation
- 114,000 sq. ft.
- \$15,000,000

SERVICES PROVIDED:

- LEED Enhanced
Commissioning



Scheeser Buckley Mayfield performed LEED enhanced commissioning for the middle school, which is being totally gutted and renovated in multiple phases. The areas include the kitchen, office, lobby classrooms and assembly areas.

The HVAC system will have dedicated outside air handling units providing ventilation air for all areas of the building. Classrooms and all other spaces will be heated and cooled with water source heat pumps. Plumbing renovation include creating several new toilet rooms. The entire building will be protected with a wet pipe sprinkler system.

The electrical power system consisted of new service and distribution equipment including pad mounted transformer, main switchboard and branch circuit panels. New diesel generator and transfer switches are also being provided. New LED lighting and controls are provided in all renovated areas. A new multiplex addressable fire alarm system is also being installed. The IT systems for the building include new voice and data structured cabling, CCTV system, security and access control rough-in, A/V systems, intercom and paging systems, analog clock system and new pathways for all the new systems.

Contact: George Petkac, 216-320-2220, G_Petkac@chuh.org

-
- Reviewed of building enclosure shop drawings & submittals
 - Attended O/A/C construction progress meetings
 - Attended Preconstruction meetings with the construction manager and trade subcontractors
 - Conducted QA testing of the first work of air barrier installation.
 - Maintained the building enclosure non-conformance log during construction
 - Conducted field performance testing – standardized testing of field installations of air barrier, windows, curtain wall, and roofing.
 - Provided the final report for the building enclosure commissioning.

Walter Reed Army Institute of Research

Building Envelope and Structural Evaluations
Silver Spring, MD

Owner

Walter Reed Army Institute of Research

WDP Client

Turner Construction Company

Point of Contact

William E. Cross

Project Manager

571.388.8223

✓ Acceptable to Contact

WDP's Scope of Services

- Survey of existing build envelope which included a visual survey of exterior walls, review of exploratory openings to expose the existing conditions, visual survey of roof systems, and exploratory openings to expose the existing roof conditions.
- Hygrothermal analyses of exterior envelope systems to ensure energy code performance
- Development of a building envelope commissioning plan
- Development of a building envelope commission specification
- Peer review of Design Document submittals
- Construction monitoring
- Building envelope field performance testing

Project Completion Date:

On-going



Project Description

WDP & Associates was retained to serve as the building envelope consultant for the renovation of the 65,700 sq. ft. WRAIR Building 511 located on the Fort Detrick, Forest Glen Annex in Frederick, Maryland. The project delivery was Design-Build. As part of the renovation of the existing building, WDP was tasked with evaluating the exterior building envelope, including the exterior walls and roof systems. We also assisted Turner/Jacobs with the design and detailing of the addition to the building and selection of building cladding systems compatible with the existing building configuration.

WDP performed a visual survey of the existing roof system to document existing deterioration and distress for repair as part of the overall building envelope renovation. Approximately ten exploratory openings were made to expose the existing roof conditions to permit verification of existing roofing components, curb heights, penetrations, and other roof construction conditions. A laser level survey of the roof was performed to record roof slopes. After installation, WDP performed an inspection of the new roof.



May 3, 2018

To Whom It May Concern:

As the Vice President of Operations & Construction at the Medical Center Company District Energy System, I have been fortunate to work on many projects with Scheeser Buckley Mayfield over the past six years. SBM has performed a variety of mechanical and electrical engineering design projects for MCCo with successful outcomes. The technical expertise of SBM staff and their communication of complex design concepts is outstanding.

Scheeser Buckley Mayfield has performed multimillion dollar electrical substation replacement and chilled water system installation projects for MCCo. They have also performed smaller scale capital replacement projects and their level of care and attention to detail has been consistently excellent. SBM is a trusted partner for MCCo's operations and I would highly recommend their engineering services for any mechanical or electrical project.

Please contact me with any questions you may have at 216-368-4256 ext. 15.

Sincerely,

Todd Gadawski, P.E., CEM, CEP
Vice President, Operations & Construction

CORPORATE MEMBERS

Case Western Reserve University
The Cleveland Museum of Art
The Musical Arts Association
The Church of the Covenant
The Cleveland Hearing & Speech Center

UH Cleveland MedicalCenter
Cleveland Botanical Garden
The Cleveland Institute of Art
The Cleveland Medical Library Assn.



January 29, 2016

To whom it may concern:

Walsh Jesuit High School has contracted with Scheeser Buckley Mayfield (SBM) for three projects of increasing scope. First we needed electrical expertise to upgrade lighting in our theater. We then competitively sought engineering counsel for two large projects to replace our fire alarm system and our HVAC controls. We knew that we did not have the internal expertise to scope and manage these jobs. We selected SBM to lead all three of these projects on our behalf.

I was impressed with Jim Eckman's approach to our theater lighting project. He is knowledgeable about the available products and even went so far as to bring sample lights to our facility to show differences in design, function and cost. As a result, we are very happy with the lighting that we selected, the project went flawlessly and we are saving money.

Our fire alarm / HVAC projects are much larger and complex but we again selected SBM. Jim Eckman and his staff are very thorough, detailed and precise. During the interview process they were the most thorough in getting drawings marked up to clearly demonstrate that they knew what needed to be done and could articulate how the project should, and should not, be done. They did a fantastic job taking an inventory of our current equipment, involving local authorities and writing a very clear bid specification. Even the contractors commented on how well the bid package was put together. SBM was at my side at every phase of the process to ensure that we were on time, on track and efficient in executing our plan. After we opened the bids it was very easy to tally and compare the various contractor bids to come to a good decision about which contractor to use. The project was on schedule the entire time which enable us to have the appropriate internal conversations to make a strong recommendation to our Board on how to proceed.

I highly recommend SBM. They have outstanding technical expertise and also have the interpersonal skills to work well with all levels of the organization. In my view, they have developed a process of best practices that has benefited Walsh Jesuit by saving us money and ensuring that we have a comprehensive and effective solution. If you don't want to do it again and again, call SBM.

Should you have any questions please feel free to contact me to clarify.

Sincerely,

Peter J. Sullivan
Chief Financial Officer



WILLIAM & MARY

CHARTERED 1693

Facilities Management
P.O. Box 8795
Williamsburg, VA 23187-8795
(757) 221-2275

May 7, 2020

WDP & Associates
10621 Gateway Boulevard, Suite 200
Manassas, VA 20110

Re: Letter of Recommendation for WDP & Associates

To Whom It May Concern,

WDP & Associates has been working with William & Mary since November 2000, has held term contracts with the University continually since 2005, and has completed work on approximately 18 individual buildings on campus with many of the projects completed in phases over multiple years. The most recent project is One Tribe Place structural repairs and renovation.

The University contracted WDP & Associates in 2013 shortly after renovation was started to convert an existing hotel into a dormitory for the University. Isolated failures of the post-tensioning tendons in the structural slabs were observed as the renovation started. WDP performed an exploratory survey of the existing post-tensioned tendons to determine the number of failed tendons, created as-built drawings of tendon group locations including number of tendons per group, and condition of the tendons for estimating repairs. Non-destructive surface penetrating radar was used to locate tendon groups to facilitate exposure of tendons for the exploratory work and to produce the as-built drawings.

In addition, WDP performed a building envelope condition assessment, which included air leakage testing of the exterior walls, water resistance testing of windows, and hygrothermal analyses of the existing exterior building wall systems to assess condensation potential. WDP's design also included waterproofing of below grade walls and a central courtyard terrace, brick masonry flashing repairs, and a design for permanent closure of an abandoned pool which served the original hotel.

WDP & Associates is a superb contract partner. They are responsive to our urgent needs, transparent and fair in their pricing, and their technical solutions are sound and practical. We are looking forward to working with Andy and his team on our next project, Swem Library window replacement.

Please do not hesitate to contact us directly with any questions.

Adam Witkowski
Adam Witkowski, AIA
Senior Project Manager

Gregg Shipp
Gregg Shipp, P.E.
Director, Facilities, Planning,
Design and Construction

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.


(Name, Title)

Chris Schoonover, President

(Printed Name and Title)

1540 Corporate Woods Pkwy, Uniontown, OH

(Address)

330-526-2709 - 330-896-9180

(Phone Number) / (Fax Number)

cschoonover@sbmce.com

(email address)

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

Scheeser Buckley Mayfield

(Company)


(Authorized Signature) (Representative Name, Title)

Chris Schoonover, President

(Printed Name and Title of Authorized Representative)

August 31, 2020

(Date)

330-526-2709 - 330-896-9180

(Phone Number) (Fax Number)