



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at wvOASIS.gov. As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at WVPurchasing.gov with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header 1

[List View](#)

General Information

Contact

Default Values


Discount

Document Information

Clarification Request

Procurement Folder: 1319716

Procurement Type: Central Contract - Fixed Amt

Vendor ID: 000000217868 

Legal Name: SCHEESER BUCKLEY MAYFIELD LLC

Alias/DBA:

Total Bid: \$0.00

Response Date: 12/11/2023 

Response Time: 11:01

Responded By User ID: dmdarrow 

First Name: Laurie

Last Name: Harbert

Email: lharbert@sbmce.com

Phone: 3304949517

SO Doc Code: CEOI

SO Dept: 1400

SO Doc ID: AGR2400000001

Published Date: 11/14/23

Close Date: 12/12/23

Close Time: 13:30

Status: Closed

Solicitation Description: Moorefield Laboratory Facility - EO1

Total of Header Attachments: 1

Total of All Attachments: 1



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

**State of West Virginia
 Solicitation Response**

Proc Folder: 1319716
Solicitation Description: Moorefield Laboratory Facility - EOJ
Proc Type: Central Contract - Fixed Amt

Solicitation Closes	Solicitation Response	Version
2023-12-12 13:30	SR 1400 ESR12112300000002772	1

VENDOR
 000000217868
 SCHEESER BUCKLEY MAYFIELD LLC

Solicitation Number: CEOI 1400 AGR2400000001
Total Bid: 0
Response Date: 2023-12-11
Response Time: 11:01:00
Comments:

FOR INFORMATION CONTACT THE BUYER
 Larry D McDonnell
 304-558-2063
 larry.d.mcdonnell@wv.gov

Vendor Signature X **FEIN#** **DATE**

All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Moorefield Laboratory Facility				0.00

Comm Code	Manufacturer	Specification	Model #
81000000			

Commodity Line Comments:

Extended Description:

To provide architectural/engineering services to evaluate and advise on HVAC, laboratory ventilation, electrical, roof, and security/access systems for possible upgrades/renovations at the West Virginia Department of Agriculture Moorefield Laboratory, located in Moorefield, Hardy Co., WV See attached specifications for further details.



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

Scheeaser Buckley Mayfield **Consulting Engineers**

State of West Virginia
Moorefield Laboratory Facility
CEOI 1400 AGR24000000001

December 11, 2023

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



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Client References	Page 33

Simply better.



December 4, 2023

Department of Administration
Purchasing Division
Buyer: Larry D. McDonnell
2019 Washington St. E
Charleston, WV 25305

RE: Expression of Interest, CEOI 1400 AGR2400000001
Moorefield Laboratory Facility

Selection Committee Members:

Thank you for considering Scheeser Buckley Mayfield for professional engineering services for the Moorefield Laboratory Facility project with the West Virginia Department of Agriculture. We are happy for the opportunity to provide you with our firm's qualifications for this project.

At Scheeser Buckley Mayfield, we are committed to providing quality and reliable services. After Ohio, West Virginia is where the second largest number of our projects take place. We are well-versed in WV's economy, culture, and best practices. We have relationships with general, mechanical, and electrical contractors in your area. Some examples of our recent WV projects are the State Capitol Lighting, the Putnam County Sheriff's Department, and the Upshur County Courthouse Annex.

SBM will have been in business for 65 years in 2024. We attribute our success to providing top quality performance. We are known for working to understand the client's needs and desires, and for our commitment to highly responsive communication. We know that our SBM team can provide the engineering services needed and believe that this submission will demonstrate that we excel in this area. SBM has experience in providing similar design services to government, education, commercial, and health care facilities.

We believe that we would be the ideal firm for this project due to our experience, problem-solving abilities, attention to detail, and dedication to our clients. If you have any additional questions or concerns, please do not hesitate to contact me.

Very truly yours,

Scheeser Buckley Mayfield LLC

A handwritten signature in black ink that reads 'Chris Schoonover' with a long, sweeping horizontal line extending to the right.

Chris Schoonover, PE, LEED AP, BCxP
President

Direct: 330-526-2709
Mobile: 330-472-6601
Fax: 330-896-9180



Email: cschoonover@sbmce.com



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

State of West Virginia
 Centralized Expression of Interest
 Architect/Engr

Proc Folder: 1319716
Doc Description: Moorefield Laboratory Facility - EOI
Proc Type: Central Contract - Fixed Amt
Reason for Modification:

Date Issued	Solicitation Closes	Solicitation No	Version
2023-11-14	2023-12-12 13:30	CEOI 1400 AGR2400000001	1

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code: 000000217868
Vendor Name : Scheeser Buckley Mayfield
Address : 1540
Street : Corporate Woods Parkway
City : Uniontown
State : Ohio **Country :** USA **Zip :** 44685
Principal Contact : Chris Schoonover, PE
Vendor Contact Phone: 330-526-2709 **Extension:** N/A

FOR INFORMATION CONTACT THE BUYER

Larry D McDonnell
 304-558-2063
 larry.d.mcdonnell@wv.gov

Vendor Signature X

FEIN# 59-3826993

DATE December 4, 2023

All offers subject to all terms and conditions contained in this solicitation

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.

(Printed Name and Title) Chris Schoonover, PE - President

(Address) 1540 Corporate Woods Pkwy, Uniontown, OH 44685


(Phone Number) / (Fax Number) O: 330-526-2709 M: 330-472-6601 F: 330-896-9180

(email address) cschoonover@sbmce.com

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract 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/Contract 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 this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; 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 this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

Scheeser Buckley Mayfield

(Company) 

(Signature of Authorized Representative)

Chris Schoonover, PE - President

(Printed Name and Title of Authorized Representative) (Date)

O: 330-526-2709 M: 330-472-6601 F: 330-896-9180

(Phone Number) (Fax Number)

cschoonover@sbmce.com

(Email Address)

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Scheeser Buckley Mayfield

Authorized Signature:  Date: 12/5/2023

State of Ohio

County of Summit, to-wit:

Taken, subscribed, and sworn to before me this 5 day of December, 2023

My Commission expires Lori Chapman, 20 .

NOTARY PUBLIC
State of Ohio

AFFIX SEAL HERE

My Commission Expires 3/02/2024



Purchasing Affidavit (Revised 01/19/2018)



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

11/30/2023

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER The James B. Oswald Company 1100 Superior Avenue, Suite 1500 Cleveland OH 44114	CONTACT NAME: Lauren Haney PHONE (A/C. No. Ext): 216-487-3169 E-MAIL ADDRESS: lhaney@oswaldcompanies.com		FAX (A/C. No): 216-839-2815
	INSURER(S) AFFORDING COVERAGE		
INSURED Scheeser Buckley Mayfield LLC 1540 Corporate Woods Pkwy Uniontown OH 44685-8730	SCHEE-2	INSURER A : Travelers Indemnity Company Of America 25666	
		INSURER B : Travelers Property Casualty Company Of America 25674	
		INSURER C : XL Specialty Insurance Co. 37885	
		INSURER D : Travelers Indemnity Company 25658	
		INSURER E : Travelers Indemnity Of Connecticut 25682	
		INSURER F :	

COVERAGES

CERTIFICATE NUMBER: 1261790932

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSR	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
D	GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR <input checked="" type="checkbox"/> All Primary & <input checked="" type="checkbox"/> Non-Contributory GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input checked="" type="checkbox"/> LOC	Y	Y	680-5H412997-22-47	12/15/2022	12/15/2023	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 \$
A	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input checked="" type="checkbox"/> HIRED AUTOS <input checked="" type="checkbox"/> All Primary <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS	Y	Y	BA-2R376956-22-47-G	12/15/2022	12/15/2023	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 10,000	Y	Y	CUP-3235797A-22-47	12/15/2022	12/15/2023	EACH OCCURRENCE \$ 3,000,000 AGGREGATE \$ 3,000,000 Excludes Professional \$
E	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below Y/N <input checked="" type="checkbox"/> N N/A		Y	UB-8J588826-22-47-G	12/15/2022	12/15/2023	<input checked="" type="checkbox"/> WC STATUTORY LIMITS <input checked="" type="checkbox"/> OTHER OH Stop Gap E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
C	Professional Liability Claims Made Retro Date:01/01/1958	N	Y	DPR5006415	12/15/2022	12/15/2023	Each Claim \$5,000,000 Aggregate \$5,000,000 Pollution & Envir. Liab. Included

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (Attach ACORD 101, Additional Remarks Schedule, if more space is required)

Additional Insured and Waiver of Subrogation as designated above is provided when required of the Named Insured by written contract or agreement.

CERTIFICATE HOLDER**CANCELLATION**

West Virginia Department of Administration
 Purchasing Division / Bid Clerk
 2019 Washington St E.
 Charleston WV 25305

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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Since 1959, Scheeser Buckley Mayfield has been a well-respected regional engineering firm serving Ohio and surrounding states. SBM provides cost-effective and innovative designs, working closely with our clients to fully understand their needs. Our goal is to enhance people's lives through effective engineering.

What are we known for?

SBM is known for repeat clients, solving problems, and producing designs with the future in mind. We build relationships and systems that last.

We pride ourselves on communication and responsiveness – talking things through and getting answers. We pay attention to the details along the way. We solve problems before they become problems. We really listen to our clients. Why? To provide designs that are simply better.

We give our clients choices. We work within budget, so there are no surprises. Your project becomes our project. Your passion becomes our passion. And, yes, your problems become our problems. But, we actually like that. Because we are excellent at solving problems.

DESIGN SERVICES

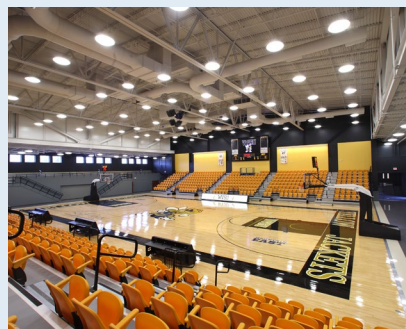
Mechanical • Electrical • Site Civil • Technology

SPECIALTY SERVICES

Fire Protection • Forensic • Commissioning

CORE MARKETS

Health Care	Government	Commercial
Higher Education	Corrections	Religious
K-12	Central Plants	Industrial



SBM enhances lives through effective engineering.



**PASSIONATE
PEOPLE**



**COLLABORATIVE
COMMUNICATION**



**PRODUCTIVE
PROBLEM
SOLVING**



**EXCEPTIONAL
ENGINEERING**

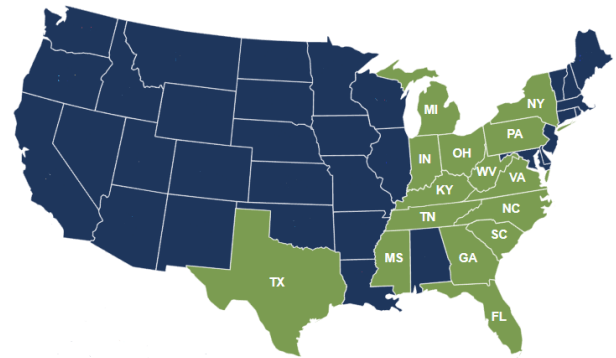
At SBM, our greatest asset is our staff.

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 15 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.





Firm Profile

SILLING ARCHITECTS

YEARS IN BUSINESS

121

PRINCIPALS

Jody Driggs, AIA, NCARB
Tom Potts, AIA, NCARB

LOCATIONS

Charleston, WV
Orlando, FL

STAFF SIZE

21

WEBSITE

silling.com

With over 120 years of professional practice in West Virginia, Silling Architects is deeply committed to making our state a better place through passionate service and innovative, meaningful design.

Based out of downtown Charleston, 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.

SILLING
ARCHITECTS



State of West Virginia
Department of Agriculture



Project Leadership
Scheeser Buckley Mayfield

Chris Schoonover, PE, LEED AP, BCxP
Senior Management Lead / Mechanical Engineer

James Eckman, PE, LEED AP, CBCP
Project Management Lead / Electrical Engineer



Mechanical Engineer
Scheeser Buckley Mayfield

Sam Pavlik, PE
Project Design Lead - Mechanical

Support Staff



Electrical Engineer
Scheeser Buckley Mayfield

Caleb Kuzman, PE
Project Design Lead - Electrical

Support Staff



Architects
Silling Architects

Ray Kleycamp, AIA, LEED AP
Senior Architect

Marie McCauley, AIA
Project Architect / Project Manager

Glenn Savage, Associate AIA
Construction Administrator



☎ 330-526-2709
☎ 330-472-6601
✉ 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, Pennsylvania, Indiana, Texas, Kentucky and Tennessee

Chris Schoonover, PE

LEED AP, BCxP

President – Mechanical Engineer

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

Chris' higher education project background includes oversight of MEP design on approximately \$90 million worth of construction at the NEOMED medical school campus. This included vivarium spaces research labs and a new wellness center totaling over 350,000 square-feet.

Chris has experience with numerous project delivery methods including design-build, CM at Risk and performance contracting. He has also learned and implemented contracting rules for a variety of different facilities. These requirements have resulted in successful construction and operation of complex engineering designs.

Chris has continued Scheeser Buckley Mayfield's tradition of forging long-term relationships with clients. He enjoys designing a large variety of projects. From small, single-room modifications to brand new multimillion dollar buildings, Chris knows that Scheeser Buckley Mayfield's success is defined by the quality of our projects. When he is not assisting with project designs, he is often engaged in commissioning or investigative assignments, helping make sure systems operate as desired.

Chris is a member of the American Society of Heating, Refrigerating and Air Conditioning Engineers (ASHRAE). He serves on the board for the Penn State Alumni Society of Architectural Engineers (ASAE) and is secretary of the Applied Engineering Advisory Board of Akron Public Schools' Ellet Academy of Applied Engineering.

SELECT WORK EXPERIENCE:

- Cleveland State University SI-SR Engaged Learning Labs Phase 2, Cleveland, OH
- The University of Akron General Lab Renovations, Akron, OH
- West Virginia State University F. Ray Powers Research Lab Renovation, Institute, WV
- Bluffton University Knowlton Science Center, Bluffton, OH
- The University of Akron Electric 23KV Infrastructure Improvements Ph. 3, Akron, OH
- Summa Akron City Hospital Toxicology Lab Load Analysis, Akron, OH
- Summa Akron City Hospital Air Handling Unit Assessment, Akron, OH
- Huttonsville Correctional Center Power Distribution, Huttonsville, WV



☎ 330-526-2703
☎ 330-620-2694
✉ jeckman@sbmce.com

EDUCATION:

The University of Akron —
BSEE/1984
Electrical Engineering

CREDENTIALS:

LEED Accredited Design
Professional

Certified Building
Commissioning Professional
(CBCP)

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

James E. Eckman, PE

LEED AP, CBCP

Senior Associate — Electrical Engineer

James began his career as a consulting engineer by accepting a position as junior engineer with Kucheman, Peters and Tschantz, Inc. in Akron, Ohio. In 1987, he gained additional experience in the construction industry as an engineer/estimator for Thompson Electric, Inc. in Munroe Falls, Ohio. James accepted a senior engineer position with Scheeser Buckley Mayfield in 1989. He was promoted to the position of associate in 1990, then became a principal in the firm in 1991, vice president of electrical engineering in 1992, president in 2003, vice president of operations in 2019, and senior associate in 2020.

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

James is an affiliate member of NOSHE. He was a member of the Institute of Electrical and Electronics Engineers for eight years and the Electrical League of Northeastern Ohio. He is currently an active member of the Illuminating Engineering Society (IES). He has served as treasurer and president of the Cleveland/Akron IES section and a member of the executive committee for the Electrical League. James served on the College of Engineering Advancement Council for The University of Akron from 2002 to 2004 and as secretary, vice chairman and chairman of The University of Akron Electrical Engineering and Computer Engineering Advisory Council. He has also served on special committees to select the College of Engineering Dean and ECE Department Chairman.

SELECT WORK EXPERIENCE:

- Bluffton University Knowlton Science Center, Bluffton, OH
- Cleveland State University SI-SR Engaged Learning Labs Phase 2, Cleveland, OH
- Huttonsville Correctional Center Power Distribution, Huttonsville, WV
- West Virginia State University F. Ray Powers Research Lab Renovation, Institute, WV
- Upshur County Courthouse Annex HVAC Upgrades, Buckhannon, WV
- Marshall County Courthouse Renovation and System Upgrades, Moundsville, WV
- Cleveland Clinic, Cleveland, OH
- Columbiana Medical Center, Salem Regional Medical Center, Columbiana, OH
- The University of Akron, Akron, OH
- Dominion Energy, various OH and WV locations



☎ 330-526-2725
☎ 330-620-1786
✉ spavlik@sbmce.com

EDUCATION:

The University of Akron –
BSME/2012
Mechanical Engineering

CREDENTIALS:

Registered Professional
Engineer (Mechanical) in Ohio

Sam Pavlik, PE

Principal – Mechanical Engineer

Following graduation, Sam accepted a position as a construction project manager at a mechanical contractor in Akron, Ohio. In that capacity, Sam managed various mechanical construction projects. He gained experience working with other contractors, engineers, and vendors, as well as managing crews on project sites. During this time, Sam also had to check mechanical design, accomplish complete mechanical coordination with other trades, purchase equipment, and estimate change orders.

Sam joined Scheeser Buckley Mayfield in July of 2013. Since then, he has worked on the design of HVAC, plumbing and fire protection systems for various projects. He has worked on a number of university renovation and addition projects, several large budget projects, and two multi-phase food service renovation/replacement projects. He has experience with fast-paced deadlines and working with multiple contractors and branded vendors. This experience has led Sam to being able to perform the expanded role of Lead A/E on a number of projects.

SELECT WORK EXPERIENCE:

- Summa Akron City Hospital Air Handling Unit Assessment, Akron, OH
- Cleveland State University SI-SR Engaged Learning Labs Phase 2, Cleveland, OH
- The University of Akron General Lab Renovations, Akron, OH
- Case Western Reserve University Cryo Electron Microscope Lab, Cleveland, OH
- Kent State University, Kent, OH
- Oberlin College, Oberlin, OH
- University of Toledo, Toledo, OH
- Medical Center Company, Cleveland, OH
- Wheeling Police Department Headquarters, Wheeling, WV
- Wheeling Public Service Center Fire Station, Wheeling, WV
- Cleveland Metroparks Zoo, Cleveland, OH
- Amherst HealthPlex - Lorain County Metro Parks, Amherst, OH
- FirstEnergy, Akron, OH
- Ohio CAT Headquarters, Broadview Heights, OH



☎ 330-526-2708
📠 330-451-9003
✉ ckuzman@sbmce.com

EDUCATION:

The University of Akron —
BSEE/2010
Electrical Engineering

CREDENTIALS:

Registered Professional
Engineer (Electrical) in Ohio

Caleb Kuzman, PE

Electrical Engineer

Caleb began employment at Scheeser Buckley Mayfield in February of 2011. He is involved in all aspects of electrical design, including lighting, lighting control systems, branch circuiting, power distribution, power system studies, and fire alarm systems. He also assists in estimating, site visits, client meetings and communication.

Since joining the firm, Caleb has been involved in multiple projects for educational, office, judicial, and health care facilities. He has worked on numerous large-scale office and commercial projects. He also has worked on many educational projects, from grade school facilities to university buildings.

SELECT WORK EXPERIENCE:

- West Virginia State University F. Ray Powers Research Lab Renovation, Institute, WV
- Marshall County Courthouse Renovation and System Upgrades, Moundsville, WV
- The University of Akron, Akron, OH
- Martinsburg Courthouse and Police Dept, Martinsburg, WV
- Raleigh County Sheriff's Dept, Raleigh, WV
- Putnam County Sheriff's Department, Winfield, WV
- Anthony Correctional Center, White Sulpher Springs, WV
- Marshall University, Huntington, WV
- West Virginia State University, Dunbar, WV
- Marshall County Schools— John Marshall High School, Glen Dale, WV
- Washington Lands Elementary School, Moundsville, WV
- Northwood Health Systems, Wheeling WV
- Northwood Health Systems, Wheeling WV
- Dominion East Ohio, North Canton, OH
- Charleston Correctional Center, Charleston, WV
- Kanawha County Public Library, Charleston, WV
- West Virginia State Capitol, Charleston, WV

Ray Kleycamp AIA, LEED AP

ARCHITECT

Ray has over 25 years of experience as an architect and project manager with involvement in a number of building types throughout multiple states, most notably within the governmental, educational, civic, commercial office, retail and multi-family markets. He is primarily responsible for day-to-day project activities including programming, design, construction document production, and coordination of the architectural and engineering disciplines.



EDUCATION

Bachelor of Architecture
University of Kentucky, 1996

REGISTRATIONS

Registered Architect: WV

AFFILIATIONS

American Institute of Architects (AIA)
LEED-Accredited Design Professional

RELEVANT EXPERIENCE

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.

Raleigh County Sheriff's Department Beckley, WV

Programming and design for a new 27,400 square foot law enforcement headquarters. The new facility includes multi-purpose training/community room, administrative space, intake and processing, evidence processing & storage, and fitness and tactical training room.

WV Hospitals - St. Francis Hospital Entry Addition & Lobby Charleston, WV

New 6,000 square foot main entry canopy addition, as well as a new interior lobby space including an entry vestibule, public seating area, and information desk.

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.

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.

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.

Mountain Living Assisted Care Center Belington, WV

A new 11,000 square foot assisted living facility featuring twelve bedroom suites, a large living and dining commons area, commercial kitchen, country kitchen and pantry, lounge, parlor, chapel/multi-purpose room, spa and beauty salon, laundry, and clinical & administrative support spaces.

Afton Ridge Public Library & Active Living Center Concord, NC

New 40,000 square foot, one-story public library and community wellness center.

Franklin County Judicial Center Chambersburg, PA

New 130,000 square foot judicial center serving the County's Common Pleas, District, and Magistrate Courts, Clerk of Courts, Public Defender, Juvenile Probation, Adult Probation, Sheriff, and District Attorney. The project included six courtrooms.



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

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.

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.

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.

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.

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.

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.



Glenn Savage Associate AIA

CONSTRUCTION ADMINISTRATOR

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.



PREVIOUS EXPERIENCE

Bachelor of Science
University of Charleston, 1997

Associate of Science
West Virginia State University, 1992

AFFILIATIONS

American Institute of Architects (AIA)
AIA Academy of Architecture for Justice

RELEVANT EXPERIENCE

Martinsburg Police Department & Municipal Court Martinsburg, WV

A new three-story, 36,000 square foot law enforcement and municipal courts facility featuring a multi-purpose training/community room, administrative space, dispatch, intake and processing, evidence processing & storage, and one courtroom.

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.

Cabin Creek Health Systems Sissonville, WV

A new 10,600 square foot health clinic providing general medical examination and treatment, behavioral health services, dental treatment, and pharmaceutical care in a consolidated facility.

Putnam County Sheriff's Department Winfield, WV

Programming and design for a 15,500 square foot, two-story addition to an existing sheriff's building, as well as renovations and modernization of the existing 6,600 square foot facility.

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.

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.

WV Army National Guard Army Aviation Support Facility Renovations Wheeling & Parkersburg, WV

Interior restroom, shower, and locker facility renovations to two AASF locations, including new interior finishes, LED lighting, and ADA compliance.

Raleigh County Sheriff's Department Beckley, WV

Programming and design for a new 27,400 square foot law enforcement headquarters. The new facility includes multi-purpose training/community room, administrative space, intake and processing, evidence processing & storage, and fitness and tactical training room.

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.



Knowlton Science Center

Bluffton, OH

PROJECT DETAILS:

- New
- 32,000 sq. ft.
- \$2,000,000

SERVICES PROVIDED:

- Mechanical
- Electrical
- Plumbing
- Civil
- Technology

REFERENCE:

Steven Heinze
Director of Buildings
and Grounds
419-358-3237
heinzes@bluffton.edu



The project goal was to provide a three-story state-of-the-art science education facility, including chemistry, biology, zoology, botany, physics, and many other disciplines. Students will learn in a hands-on environment in laboratories using fume hoods, autoclaves, electronics labs, and a foods lab. The learning spaces were designed to meet each professor's or department's specific needs.

The HVAC systems were designed to be cost-effective and simply operated, while also being robust and as energy efficient as possible. The heating plant consists of two high efficiency condensing boilers and pumps which allow for full heating system redundancy.

Plumbing design consisted of systems for specialized science lab equipment, such as acid waste sinks, eye wash stations, grease interceptors.

Design included a new fire alarm system and emergency push buttons that would shut off power in the labs. The building fire suppression system design consisted of both a wet pipe and dry pipe system. A lightning protection system was also designed.

The telecommunications infrastructure (voice and data) design included structured wiring and backbone connections to the existing network. Audio visual infrastructure and equipment for classrooms and lecture halls were designed.

One challenge was to incorporate modern lighting while keeping the historic look to the building to match the rest of the campus. The building also was designed with an emergency power system which would provide bare minimum heating and cooling when the building lost power, which reduced cost. To accomplish this, a great deal of coordination was required between the electrical and mechanical design to ensure the control systems could communicate properly.

**Science Research
Gross Anatomy Lab
Study**

Cleveland, OH

PROJECT DETAILS:

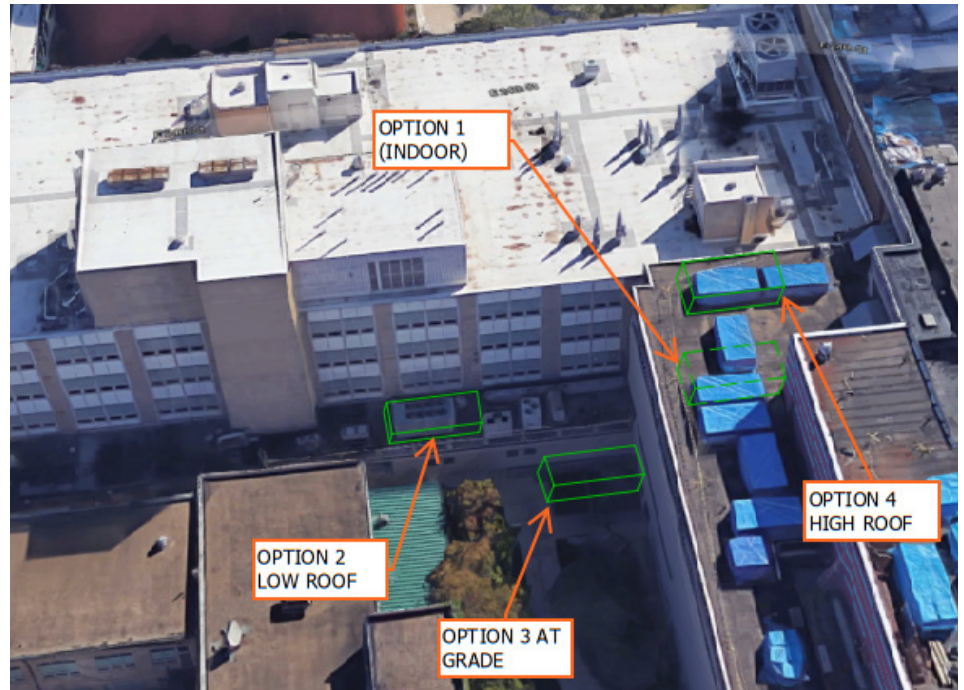
- Study
- 4,000 sq. ft.
- \$500,000

SERVICES PROVIDED:

- Mechanical
- Electrical
- Plumbing

REFERENCE:

Jennifer McMillin
Interim Executive Director,
Facilities Services Director,
Campus Sustainability
216-523-7462
j.mcmillin@csuohio.edu



The MEP needs for the existing 12-table gross anatomy lab were evaluated. The lab was approximately 30 years old and in need of updated HVAC systems, as well as improved redundancy of systems. Existing lab and systems were located with difficult access. The study examined multiple solutions regarding first cost, maintenance, and level of operation. Code ramifications and expanded use of the lab were considered. Design criteria were suggested to optimize construction and operation costs.

Anthropology Lab

Athens, OH

PROJECT DETAILS:

- Renovation
- 2,900 sq. ft.
- \$450,000

SERVICES PROVIDED:

- Mechanical
- Electrical
- Plumbing
- Technology
- Fire Protection

REFERENCE:

Tim Hosek
Cost Estimator and
Project Evaluator
740-593-2716
hosekt@ohio.edu



The purpose of this project was to remodel an unused space in the aged Central Classroom Building to meet the research needs of the anthropology faculty. The space includes a fume hood and research spaces. All lab spaces were required to be exhausted.

A 100% OA air handling unit was installed in the basement to supply air to VAV terminal units for temperature controls. The unit utilized building hot water and central chilled water. A dedicated hood exhaust fan was installed at the roof level. General exhaust was handled by an inline fan which terminates at a sidewall louver.

The majority of the lab included exposed structure, which required double wall ductwork and refined coordination for what utilities should be visible in the spaces. The challenges of routing hood exhaust up through two floors to the roof in order to meet code requirements were overcome.



Various Projects

Huntington, WV

SERVICES PROVIDED:

- Mechanical
- Electrical
- Plumbing
- Technology
- Fire Protection
- Commissioning

REFERENCE:

Jack VanHoose
Project Manager Facilities
304-733-8332
jack.vanhoose@alcon.com

Alcon

SEE BRILLIANTLY

Alcon, headquartered in Switzerland, is a global industry leader in medical eye care products. Scheeser Buckley Mayfield has completed a variety of projects at the company's West Virginia location for their testing and production processes. The nature of Alcon's eye care products necessitate fine control of air quality, temperature, and humidity.

Acrysof Plus Start Up: A new 5,000 sq. ft. lab consisting of eight, eight-foot walk in fume hoods and other associated owner equipment. The air distribution consisted of ceiling mounted ULPA filtered air diffusers. The electrical work consisted of new energy efficient lighting and a new 3 phase distribution system tied the existing system. The oven portion of the distribution system was supplied by a new standby diesel generator set connected to the distribution system through a new automatic transfer switch. SBM also performed commissioning for this project.

Tunnel Oven Room Dehumidification System: The auto caster robotic lens machine was contained in a box which required conditioning. The environment inside the auto caster box required to be 50 degrees F +/- 9 degrees F and a maximum of 10 grains moisture. The HVAC system consisted of adding two new desiccant style dehumidification units, a dedicated chiller and associated pumps, dedicated exhaust fans, DDC pressurization controls for the lab and DDC monitoring and control for all HVAC components serving the lab.

Alcon QA Lab Exhaust: Additional exhaust was designed for a testing lab. Hazardous fumes from certain test procedures required the design of redundant exhaust fans, stainless steel ductwork, and controls to maintain space temperature and negative pressure within the fume hood space. Extraction arm snorkels were designed for use at lab work benches.

Alcon RTU-3 Replacement: A production area rooftop unit needed to be replaced. SBM utilized a rooftop unit that Alcon already owned, and designed modifications to suit the project needs. An economizer was added to the unit to allow the client to realize energy savings, as the process operates 24 hrs/day.

North Second Floor Renovation: The 5,100 sq. ft. area would provide office space for 40 new employees, with 6 in private offices and 34 in shared office space. Maintaining services to areas beyond construction boundaries in an active manufacturing facility posed unique challenges with keeping services active while extended those same utilities to new areas. Phasing was implemented for the MEP systems installation.

F. Ray Powers Research Lab

Institute, WV

PROJECT DETAILS:

- Renovation
- 33,000 sq. ft.
- \$6,000,000

SERVICES PROVIDED:

- Mechanical
- Electrical
- Plumbing
- Technology
- Fire Protection

REFERENCE:

José Toledo
Vice President for Research
and Public Service
304-541-1413
toledoju@wvstate.edu



Scheeser Buckley Mayfield provided mechanical, electrical, plumbing, fire protection and technology systems design for this project. The abandoned 4-story F. Ray Powers building had been purchased by WVSU to serve as a lab space, classrooms, and an auditorium for their Agricultural and Environmental Research Station. All of the existing interior systems were removed and the building was renovated. This project focused on maintaining the lowest start-up cost possible for the systems and was done in phases for budgeting purposes. The electrical portion of this project was split into two phases and the mechanical portion of this project was done in 4 phases.

The project included six biological research laboratories. Lab design required extensive coordination with the owner and the architect to ensure all the proper connections were provided. The tight budget for this project resulted in many design challenges. The design was continuously modified pending budget reviews until the least expensive design was found that would still satisfy the needs of the building. A unique aspect of the plumbing was the ability to install the acid waste tank inside of the building on the first floor. This was possible due to a lack of labs on the first floor. This saved cost by eliminating length of acid waste piping/walls/requirements for an exterior neutralization tank.

Animal Lab 134 Renovations

Kent, OH

PROJECT DETAILS:

- Renovation
- 1,200 sq. ft.
- \$150,000

SERVICES PROVIDED:

- Mechanical
- Electrical
- Plumbing
- Technology
- Fire Protection

REFERENCE:

Jay Graham
Executive Director Facilities,
Planning & Design University
Architect
330-672-9617
jagraham@kent.edu



Scheeser Buckley Mayfield designed the mechanical, plumbing, electrical, technology and fire protection systems for this renovation of an existing laboratory area into a vivarium with behavior study rooms, cell culture, microscopy and a laboratory area. The MEP systems were studied and extended for this project. Detailed pretesting of existing systems was completed, which verified sufficient flow was available. Temperature and humidity control requirements were designed to maintain proper conditions for the new spaces and occupants. It was critical for this project to increase the capacity of the existing air handling unit to obtain additional airflow for this area, while not taking it from other critical temperature and pressurized spaces. Close coordination with the facility staff and detailed document identification was necessary to achieve the desired results.

Electrical 23KV Infrastructure Improvements & Study - Phase 3

Akron, OH

PROJECT DETAILS:

- Study
- \$1,350,000

SERVICES PROVIDED:

- Electrical

REFERENCE:

Stephen Myers
Interim Chief Planning &
Facilities Officer
330-972-6631
smyers1@uakron.edu



The underground electrical distribution was comprised of 2 different voltage systems at this time, the aged a 4160V distribution and a newer, more reliable 23KV system. The university's long-term goal was to have all buildings served from the 23KV distribution. This project was phase 3 and converted more buildings from the 4160V distribution to the 23KV distribution, as well as further expanded the 23KV system.

To reestablish redundancy, Scheeser Buckley Mayfield replaced the damaged feeder that connected the university's 2 substations. New manholes were designed to route new cables, after the existing ductbanks and manholes were inspected. Equipment yards were constructed to blend in with campus hardscapes. Tie-ins were added to existing building electrical equipment, with minimal outages.

As buildings on campus cannot be shut down for long periods of time, the new electrical services were designed to be installed while keeping the other services energized. SBM worked with the owner to formulate a phasing sequence. This project was engineer-led, with SBM managing all project bidding and construction phase administration.

Courthouse Annex HVAC Upgrades

Buckhannon, WV

PROJECT DETAILS:

- Study & Upgrades
- 15,000 sq. ft.
- \$850,000

SERVICES PROVIDED:

- Mechanical
- Electrical

REFERENCE:

Greg Harris
Investigating Officer
304-642-7833
gharris@upshurcounty.org



The project began as a study for the Upshur County Courthouse Annex HVAC system and resulted in an upgrade project. Scheeser Buckley Mayfield analyzed the existing systems and proposed solutions for the problems found. The study results highlighted important necessary upgrades to the heating water plant, controls, and existing air handling units, which were then designed by SBM.

The existing boilers were not efficient and were found to be near the end of their useful lives. These were replaced with new, high efficiency condensing boilers. These existing components also had a heating water pump which did not allow for redundancy. This pump was replaced with 2 new pumps to allow for redundancy. The air handling unit was setup for constant volume operation without economizer and was set to be retrofitted for variable flow operation with economizer for a greater increase in efficiency and energy savings. The temperature controls were also upgraded. The existing piping was found to need a system flush/chemical treatment, which was added. The electrical portion of this project included disconnecting the existing mechanical equipment and then reconnecting it to the new equipment from the same panelboards.

The existing air handling unit was a custom style unit. As such, careful consideration had to be given to the changes being made to the unit regarding space available for the new components and integration to the existing system temperature controls. The AHU supplier was involved to ensure the changes made were appropriate with the existing unit functionality regarding SBM's new sequence of operations.

Akron Campus Air Handling Unit Assessment

Akron, OH

PROJECT DETAILS:

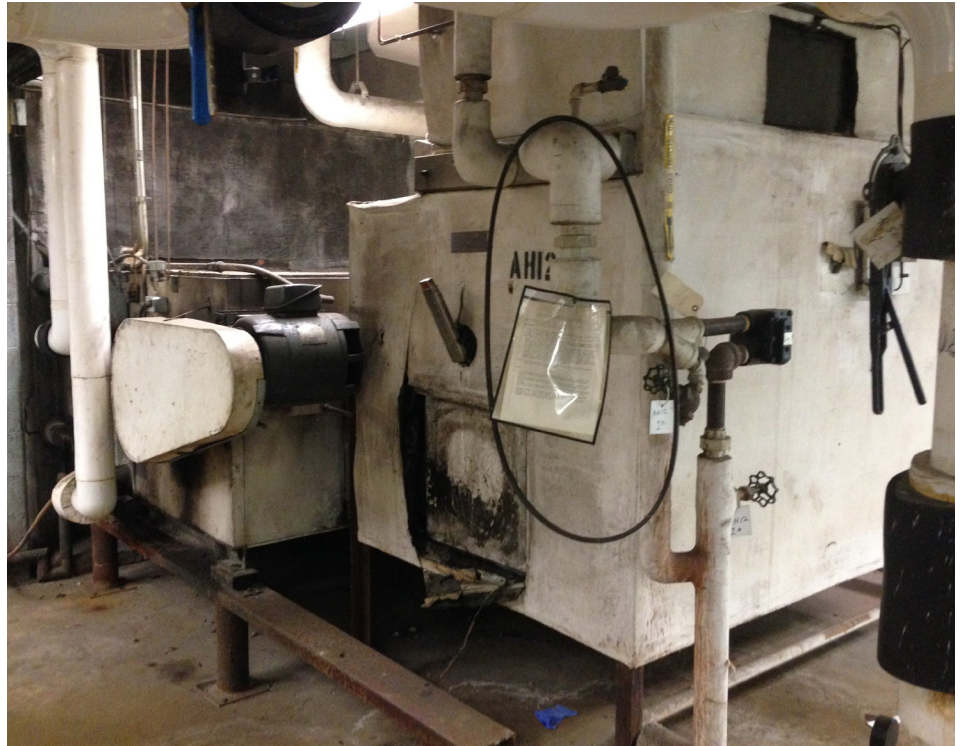
- Assessment
- 1,000,000+ sq. ft.
- \$6,400,000

SERVICES PROVIDED:

- Mechanical
- Electrical

REFERENCE:

Mark Barich
Energy Manager
330-375-7641
BarichM@summahealth.org



The purpose of this project was to survey and evaluate over 100 air handling units at the hospital and to assess their condition, useful life, immediate repairs needed, and upgrades to maintain life. This assessment was necessary to address equipment failures which could create untenable situations in critical areas of the hospital. A rating scale and timeline was developed to repair and/or replace every unit in the assessment and a POR was established. An estimate of probable construction cost was also developed so the hospital could budget and plan for the replacement and repair of the air handling units over the next 10-year period.

The senior engineer personally surveyed and documented every air handling unit in the assessment. Because many of the units serve critical areas of the hospital such as surgery and ICU, the surveys had to be closely coordinated with hospital personnel. Every unit needed to be shut down for short periods of time to examine the interior components and to verify the controls were functioning properly.

Most facilities do not undertake an assessment of this size or magnitude due to the time and cost involved. Additionally, most facilities do not have the management foresight to look 10 years into the future and plan for it. The challenges involved in this project included coordinating shutdowns of equipment in areas with continuous operation, along with preparing construction estimates which consider the processes necessary to repair and replace equipment which has no off time.

**Marsh Library &
Fine Arts Wing
HVAC & Electrical
Upgrade**

Athens, WV

PROJECT DETAILS:

- Renovation
- \$300,000

SERVICES PROVIDED:

- Mechanical
- Electrical

REFERENCE:

Gerry Von Ville
Physical Plant Director
304-384-5266
lgvonville@concord.edu



The Marsh Library is central to campus life and is used extensively. The building is in the center of the campus. It had never been fully air conditioned. A variable refrigerant flow (VRF) system was installed to heat and cool the building. The outdoor condensing units were located on the roof where they would be concealed from view. A new electrical service was designed for the building. The new electrical service backed the existing service and minimized outages to eliminate downtime. The existing emergency generator was also relocated. A complete building addressable fire alarm system was also designed.

The upgrades in the visual arts wing consisted of installing new unit ventilators and a fan coil unit, and providing a separate ventilation system for the ceramics, printmaking, and jewelry studios. The electrical design was full support and connection for the HVAC upgrades. A new electrical panelboard was designed to feed all new building loads. In addition, a new elevator was designed for the building. The electrical design included all necessary system upgrades for an operating elevator.

**Courthouse
Renovation and
System Upgrades**

Moundsville, WV

PROJECT DETAILS:

- Renovation & Upgrades
- 31,500 sq. ft.
- \$5,000,000

SERVICES PROVIDED:

- Mechanical
- Electrical

REFERENCE:

Betsy Wilson Frohnapfel
County Administrator
304-845-0482
bfrohnapfel@
marshallcountywv.org



The existing courthouse was renovated, and a vestibule was added. The project was phased, as the building remained occupied during construction.

The building is served by 2 existing boilers that remained. Scheeser Buckley Mayfield's design approach was to break the building down by existing air handler, add an air cooled chiller, dedicated rooftop unit (RTU) for the main courtroom, 4-pipe fan coil units (FCU) and ventilation air to all the rooms. The 2-story courtroom was divorced from its indoor unit and a dedicated RTU was added. Three roof mounted makeup air units provided code required ventilation air and the exhaust air systems were replaced.

Roof drains and overflow drains were added on the roof of the new vestibule addition. A snow melting system was added to a ramp, steps, and sidewalks.

A new electrical service was designed so that the original service could remain operational. New electrical panels were located throughout the building. Once a new panel was installed and energized, the existing circuits from the existing panels were spliced and extended to the new panel. The existing panel enclosures remained as splice boxes. Once all the existing circuits were transferred to the new panels, the existing electrical service was removed. This approach resulted in minimal downtime and disruption.

A new 350kW diesel generator was designed to provide backup power. New LED lighting and controls were designed for areas where ceilings were replaced due to HVAC work.

Power Distribution

Huttonsville, OH

PROJECT DETAILS:

- Renovation
- \$6,500,000

SERVICES PROVIDED:

- Mechanical
- Electrical
- Plumbing
- Civil

REFERENCE:

Philip Farley
Director of Engineering,
Construction, and
Maintenance
304-558-2036
philip.k.farley@wv.gov



The project involved major renovation of the electrical infrastructure across the entire facility. The facility had grown over the years and the electrical distribution had primarily been handled by the addition of new metered utility services to serve any renovations and new construction. This methodology resulted in a facility with over 25 electrical services with varying service voltages to different buildings and areas of buildings. This project involved the consolidation of the utility power by construction of a new substation which will be used to distribute medium voltage (12.47KV) to all buildings to facility-owned pad mount transformers around campus.

The project required the renovation of each of the existing services and included correction of a number of code issues. The renovation of the normal power services to the buildings included the infrastructure, provisions on switchgear, and the capacity to serve future facility wide cooling. The existing emergency power distribution in the facility was limited and an emergency power plant was included in the design. This emergency power plant is capable of providing complete emergency power for the facility and includes the ability to serve one, or all, buildings depending on the nature and severity of the utility outage. The normal and emergency power distribution was installed underground and includes the switchgear, sectionalizing switches with distribution points strategically located to allow for future buildings to be added without compromising the integrity of the loop/radial feed structure.

The mechanical portion of the project included all HVAC, plumbing, and fire protection services as needed to support the construction of the substation building and yard, as well as any support necessary for the renovations in the existing buildings.

Toxicology Lab Load Analysis

Akron, OH

PROJECT DETAILS:

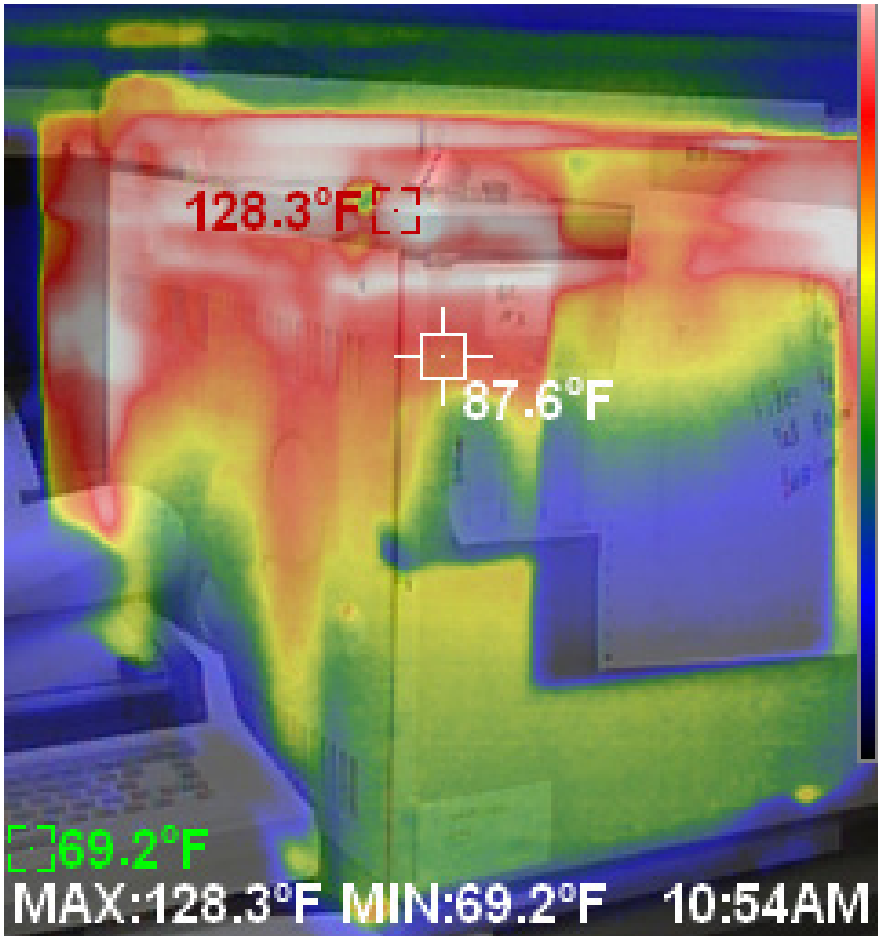
- Study

SERVICES PROVIDED:

- Mechanical

REFERENCE:

Mark Barich
Director Energy Management
Facilities Engineering
330-375-7641
barichm@summahealth.org



Scheeser Buckley Mayfield was asked to review current equipment loads in an effort to try to reduce airflow because there is airflow turbulence noise that is loud and distracting at times in the lab. The long-term goal was to convert the pneumatic VAV boxes to digital VAV boxes in an effort to be able to reduce airflow.

SBM collected equipment model/serial numbers in an effort to gather equipment heat dissipation values from the equipment manufacturers. This was in order to have realistic values of what airflow was truly needed.

The findings showed that the existing airflow that the space was balanced to was needed to maintain airflow. However, by converting to digital VAVs, the airflow can be modulate between a minimum and maximum airflow based on space temperature and air change rates.

Through our thermal imaging camera, SBM also found some lab equipment that had high heat dissipation values. This meant the cooling in the HVAC has to work harder to overcome the heat from this equipment in order to cool the space. The conclusion of the analysis was that to ease the load on the HVAC equipment, a dedicated exhaust system that would remove heated air could be added.

SBM as A/E Prime

SBM has been the Prime A/E on hundreds of projects throughout Ohio, West Virginia, and nearby states. Our staff of 36, 25 of whom are engineers, have lead associate experience that will be invaluable for this project. Because of this background, we recognize the amount of time and effort required to properly perform the Prime A/E tasks required for a successful project.

For most of the West Virginia projects we have completed with Silling, SBM has been a sub-consultant. However, we have also completed several sizable mechanical and electrical projects where we have been the Prime A/E and they have been the sub-consultant. These projects have gone extremely well.

In addition to our Prime A/E experience, we have had and currently have several projects in the Moorfield area, which allows us to be more efficient during the design and construction administration phases of our projects in this area of the state.

State of West Virginia Department of Agriculture Moorefield Laboratory Facility Project Goals

2.1. Goal/Objective 1: Evaluate facility's existing HVAC systems to identify any potential airflow concerns relating to the removal and addition of walls. The goal is to promote climate uniformity in the office and laboratory spaces allowing for the heat generated by additional equipment and potential reconfiguration of interior walls. Provide assessment of impact of potential changes and recommendations and cost estimates for HVAC solutions to address that impact.

Response: SBM will survey the existing conditions and work with the WVDA to obtain the latest and best system testing to document the performance of the existing systems. Typically, we obtain this information by preparing a detailed testing scope of work, including drawings so that the testing can be competitively bid. We would also survey the lab equipment being utilized and spot check heat sources with infrared cameras. This information would be utilized to ensure that modifications to the air distribution system focus on the equipment contributing most to the load while maintaining space conditions as close to ASHRAE 62.1 comfort conditions as possible.

2.2. Goal/Objective 2: Evaluate existing fume hood and biosafety cabinet ventilation system for the Animal Health and READ laboratories.

Response: These systems would also be included in pre-testing to determine the current performance versus the required performance for OSHA and lab guidelines.

2.2.1. Determine if there are any positive or negative impacts of changing hood(s) to the current exhaust system and make recommendations on solutions to address the impact of such changes.

Response: Hood airflows are a large component of the ventilation in labs, so we would review the proposed needs of the lab compared to the current hood configurations and determine what airflow modifications could safely be made as a result.



2.2.2. Evaluate concept of a horizontal trunk line or alternative exhaust system for the laboratories and develop a concept plan with cost estimate.

Response: At a high level, SBM can model different duct routes to determine construction cost differences as well as determine the constructability and amount of interruption such routes might cause.

2.3. Goal/Objective 3: Evaluate current electrical requirements for the entire facility as well as future electrical demands based on planned equipment acquisitions to determine insufficiencies and/or needed upgrades. Provide recommendations for requirements or alterations. Evaluate current backup generator against current and future electrical demands to propose additional equipment solutions along with cost estimates needed for sufficient backup power.

Response: Similar to the HVAC systems, SBM will determine what information is already available and prepare a scope of work for the necessary generator load testing and panel metering to evaluate the existing system performance. This will be combined with the projected future loads to provide a comprehensive power system plan for the facility. This could include more than one scenario depending on WVDA's standby power needs.

2.4. Goal/Objective 4: Evaluate existing roof condition and known issues as it pertains to the current roof design, age of roof, and laboratory hood and biosafety cabinet ventilation system penetrations to determine if an alternative roof structure and/or exhaust system will correct the issue. Provide recommendations and cost estimates on roof renovations or upgrades to address leaks and roof penetrations.

Response: The existing roofing systems will be evaluated based on their age and observable condition. If necessary, we would arrange for core samples to determine actual roof materials as well as amount of moisture present in the roof. This information, along with the known roof penetrations required, will lead us to recommendations and budgets for an optimal roofing repair or replacement plan.

2.5. Goal/Objective 5: Evaluate current facility security and safety aspects of facility including fencing, gates, access points, door quality, lighting, cameras, and sidewalks to identify insufficiencies. Propose solutions and cost estimates to address security and accessibility.

Response: SBM and Silling will assess the existing systems at the facility. Important aspects of this will be reviewing known & perceived vulnerabilities and understanding public/staff interactions and staff workflows in the building so that security boundaries can be defined and controlled. Our past project experience with colleges and public safety/correctional facilities will inform these conversations and solutions. We can also perform photometric studies to ensure safe predicted exterior lighting levels for public and staff walkways and parking.

2.6. Goal/Objective 6: Assist in preparing specifications, bid documents, bid evaluation, and project oversight for solutions and upgrades from Goals 1 through 5 selected for implementation by WVDA.



Response: SBM and Silling are adept at producing bid documents for state procurement and will work with your agency to determine funding and review/approval schedules for the work. We typically participate in bid reviews and back up our recommendations with written reports outlining what was discussed with the bidders. In addition to ensuring proper bidding procedures, this helps protect the entire project team, as these discussions can have contractual significance. We continue to assist and oversee projects from beginning to end with involvement of the original design team, as well as some staff that are dedicated to construction oversight.

Client References

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Owner Representative
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Keith Bush
Retired Project Manager
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330-815-9368

Mike Wasowski
Assistant Director, Architecture & Engineering
Kent State University
615 Loop Road, Suite 101 Harbourt Hall
Kent, OH 44242
330-672-3880
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Letters of Recommendations and Client Testimonials follow.



“Communication with SBM project managers was timely and effective. The quality of drawings and specs were excellent. They were easy to work with and knowledgeable.”

-Keira Szytec, Architect
Kaczmar Architects, Inc.
Cleveland, OH

Kent State University SRWC - Chilled Water Extension


	Evaluator Information:	Questions:	Rating: (Poor, Not So Good, Good, Very Good, Great, Not Applicable)
Evaluation No.	Eval-014	1.I feel SBM's services for the project were completed effectively.	Great
Project Name	KSU SRWC - Chilled Water Extension	2.The services were completed on time.	Great
SBM Job Number	19193	3.SBM completed the project within budget.	Great
Name of Evaluator	Joseph Graham	4.SBM came up with creative solutions to issues/challenges of the project.	Great
Title	Interim Executive Director and University Architect	5.SBM staff was knowledgeable and easy to work with.	Great
Email	jagraham@kent.edu	6.SBM staff kept in touch, responded quickly to calls/emails, and answered questions in a timely manner.	Great
Phone Number	330-672-9617	7.SBM staff listened to owner wants and needs, suggesting options within budget.	Great
Company	Kent State University	8.Future considerations were incorporated as budget permitted; a holistic approach was taken.	Great
Date Project Completed	6/26/2020	9. I would hire SBM for future projects.	Great
		10.I would recommend SBM to others.	Great
Comments:			
What were the most memorable aspects of this project?	The project went very smoothly from design through construction. I was happy to work with both great design and construction teams!		
Any other comments?			



July 3, 2018

Greetings:

It is without hesitation that I provide my recommendation of Scheeser Buckley Mayfield LLC. Salem Regional Medical Center has partnered with SBM for a long and successful track record of MEP projects. Regardless of complexity or scale, the SBM core values of Collaborative Communication, Productive Problem Solving, and Exceptional Engineering are evidenced in the details of every project. Not only do their engineers design according to the requested budget and scope of a project, they also examine many other factors such as cost effective alternatives, the latest technology, long term energy savings, and future expansion.

Medical facility engineering is a complex and ever-changing puzzle of codes, regulations, and best practices. SBM brings extensive experience and the ability to navigate a project with the absolute latest information available. When questions arise, their engineers either pick up the phone or are quick to respond with extraordinary availability.

It's refreshing to complete a project with detailed documentation in hand and the peace of mind that no opportunities were overlooked. Please feel free to contact me with any questions about my experience with SBM or past projects.


Sincerely,

A handwritten signature in black ink, appearing to read "Jerry Wheeler", is written over a horizontal line.

Jerry Wheeler
Director, Plant Operations
Salem Regional Medical Center
330.332.7110

1995 East State Street ♦ Salem, Ohio 44460 ♦ (330) 332-1551 ♦ www.salemhosp.com

Case Western Reserve University - Cryo Electron Microscope Lab


	Evaluator Information:	Questions:	Rating: (Poor, Not So Good, Good, Very Good, Great, Not Applicable)
Evaluation No.	Eval-037	1.I feel SBM's services for the project were completed effectively.	Great
Project Name	CWRU - Cryo Electron Microscope Lab	2.The services were completed on time.	Great
SBM Job Number	18126	3.SBM completed the project within budget.	Great
Name of Evaluator	Matt Burdett	4.SBM came up with creative solutions to issues/challenges of the project.	Great
Title	Assistant Director of Facilities Planning	5.SBM staff was knowledgeable and easy to work with.	Great
Email	mxb742@case.edu	6.SBM staff kept in touch, responded quickly to calls/emails, and answered questions in a timely manner.	Great
Phone Number	216-368-6383	7.SBM staff listened to owner wants and needs, suggesting options within budget.	Great
Company	Case Western Reserve University - School of Medicine	8.Future considerations were incorporated as budget permitted; a holistic approach was taken.	Great
Date Project Completed	5/14/2019	9. I would hire SBM for future projects.	Great
		10.I would recommend SBM to others.	Great
Comments:			
What were the most memorable aspects of this project?	Chris and the Team showed great enthusiasm for the project and genuine curiosity for the type of science this new equipment was going to allow us to do. We worked on many scenarios on how this equipment could function including the tight HVAC requirements needed, ways of cleaning up the incoming power from the road, fly wheel UPS, and correcting the building as a whole for HVAC that were discovered during this project.		
Any other comments?			



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Steven A. Friedman
T +1 216 479 8327
steven.friedman@squirepb.com

May 4, 2018

To Whom It May Concern:

I am writing to recommend Scheeser Buckley Mayfield's services for mechanical engineering.

I represent Consumers National Bank of Minerva ("CNB"). CNB had a new headquarters and bank branch built in 2014-2016. Shortly after taking possession of the building, CNB discovered an issue with the operation of the HVAC system. I engaged Scheeser Buckley Mayfield on behalf of CNB to provide a full analysis on the design and operation of the HVAC system. Scheeser Buckley Mayfield provided a clear and complete analysis and report. Based on the analysis and report, CNB further engaged Scheeser Buckley Mayfield to provide design plans and specifications to renovate and correct the system.

Scheeser Buckley Mayfield timely performed its engineering services with care and precision. It has provided clear and concise communications of the issues in support of our legal efforts to uncover the cause of the system's failures and also to rectify the system.

I would be happy to discuss Scheeser Buckley Mayfield's qualifications further.

Sincerely,

Squire Patton Boggs (US) LLP


Steven A. Friedman

47 Offices in 20 Countries

Squire Patton Boggs (US) LLP is part of the international legal practice Squire Patton Boggs, which operates worldwide through a number of separate legal entities.

Please visit squirepattonboggs.com for more information.

Ursuline College - Campus Distribution Phase 1

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	Evaluator Information:	Questions:	Rating: (Poor, Not So Good, Good, Very Good, Great, Not Applicable)
Evaluation No.	Eval-053	1.I feel SBM's services for the project were completed effectively.	Great
Project Name	Ursuline College - Campus Distribution Phase 1	2.The services were completed on time.	Great
SBM Job Number	20009	3.SBM completed the project within budget.	Great
Name of Evaluator	Richard Konisiewicz	4.SBM came up with creative solutions to issues/challenges of the project.	Great
Title	Vice President for Institutional Advancement	5.SBM staff was knowledgeable and easy to work with.	Great
Email	Richard.Konisiewicz@ursuline.edu	6.SBM staff kept in touch, responded quickly to calls/emails, and answered questions in a timely manner.	Great
Phone Number	440-646-8124	7.SBM staff listened to owner wants and needs, suggesting options within budget.	Great
Company	Ursuline College	8.Future considerations were incorporated as budget permitted; a holistic approach was taken.	Great
Date Project Completed	10/30/2020	9. I would hire SBM for future projects.	Great
		10.I would recommend SBM to others.	Great
Comments:			
What were the most memorable aspects of this project?	Embarking on the project frightened me. Soon after listening to Marlon Hathaway, I was at ease knowing I (and the College) was in good hands. He was excellent as a meeting leader, innovator and contractor. Fantastic follow-through!		
Any other comments?	I was truly impressed with the way Marlon of SBM worked with the contractor and kept me informed at every step.		



Summa Health
525 E. Market St. | Akron, Oh
44304
☎ 330.375.7641
barichm@summahealth.org

April 25, 2018

To Whom It May Concern:

As the energy manager for Summa Health I have been fortunate to work on many projects with Scheeser Buckley Mayfield over the past 35 years. SBM has done a wide variety of mechanical and electrical engineering projects at our hospitals with great success. The technical capability of their staff is excellent, and their communication of design concepts is superb.

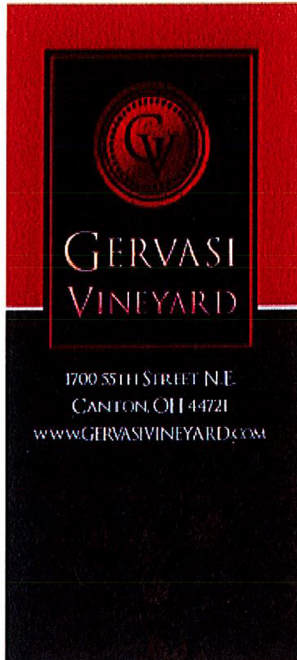
Scheeser Buckley Mayfield has performed multimillion dollar projects for Summa Health as well as small renovation projects and has demonstrated the same degree of detail and care on all of these projects. I enjoy working with Scheeser Buckley Mayfield and would highly recommend them for mechanical and electrical engineering services for all types of hospital systems.

Please call me with any questions at 330-375-7641.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Mark Barich', written over a light blue horizontal line.

Mark Barich, Energy Mgr.
Facilities Eng. Dept.



January 13, 2017

To Whom It May Concern:

I am writing this reference letter for work Scheeser Buckley Mayfield performed at our new Twisted Olive Restaurant in the City of Green. The project involved converting an existing lodge into a dining experience and SBM provided mechanical, electrical, and site civil design and construction observations services. The original site was beautiful with a large stream running through it, two large fishing ponds, wetland areas, and mature woods. Their staff listened to our desires to minimize construction impacts to these natural elements and utilized smart design practices to ensure our desires were met.


Scheeser Buckley Mayfield produced drawings and specifications that were thorough and accurate. More importantly though, they were a team player and problem solvers during the design, construction, and post occupancy evaluations. This firm brought experience, integrity, and a proven track record to the project.

I would recommend Scheeser Buckley Mayfield to handle mechanical, electrical, and civil engineering needs for any project they may undertake.

Sincerely,

Ted Swaldo, Owner
Gervasi Vineyard and Twisted Olive
1700 55th St. NW
Canton, Ohio 44721

FirstEnergy North Street Complex Short Circuit, Coordination and Arc Flash Studies


	Evaluator Information:	Questions:	Rating: (Poor, Not So Good, Good, Very Good, Great, Not Applicable)
Evaluation No.	Eval-071	1.I feel SBM's services for the project were completed effectively.	Great
Project Name	FE North Street Complex Short Circuit, Coordination and Arc Flash Studies	2.The services were completed on time.	Very Good
SBM Job Number	21111	3.SBM completed the project within budget.	Very Good
Name of Evaluator	Oluwole Ajiboso	4.SBM came up with creative solutions to issues/challenges of the project.	Great
Title	Engineer III	5.SBM staff was knowledgeable and easy to work with.	Great
Email	oajiboso@firstenergycorp.com	6.SBM staff kept in touch, responded quickly to calls/emails, and answered questions in a timely manner.	Great
Phone Number	330-384-5485	7.SBM staff listened to owner wants and needs, suggesting options within budget.	Great
Company	FirstEnergy	8.Future considerations were incorporated as budget permitted; a holistic approach was taken.	Great
Date Project Completed	8/27/2021	9. I would hire SBM for future projects.	Great
		10.I would recommend SBM to others.	Great
Comments:			
What were the most memorable aspects of this project?	SBM engineers have in-depth understanding of the scope of work and did all the necessary due diligence.		
Any other comments?	SBM collaborated effectively with FirstEnergy engineers to deliver a satisfactory project.		



“SBM’s work is superb! I wish other electrical engineers’ work was as thorough. They have set a high bar.”

–David Nash
Principal Consultant, StoweNash Associates, LLC
Pittsburgh, PA

Thank you for the opportunity
to share our qualifications
with you.

**Scheeser
Buckley
Mayfield**

Consulting Engineers
sbmce.com
330-526-2700

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