

SILLING  
ARCHITECTS



Scheeser  
Buckley  
S:M Mayfield

08/31/22 14:31:42  
WV Purchasing Division

CEOI 0211 GSD2300000002  
**CAMPUS LIGHTING DESIGN**  
STATE OF WEST VIRGINIA

Department of Administration, General Services Division

SEPTEMBER 1, 2022 (11:30AM)





14 NORTH MAIN ST



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

<b>Proc Folder:</b> 1083203			<b>Reason for Modification:</b>
<b>Doc Description:</b> EOI: Campus Lighting Design			
<b>Proc Type:</b> Central Contract - Fixed Amt			
<b>Date Issued</b>	<b>Solicitation Closes</b>	<b>Solicitation No</b>	<b>Version</b>
2022-08-05	2022-09-01 13:30	CEOI 0211 GSD2300000002	1

**BID RECEIVING LOCATION**

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

**VENDOR**


**Vendor Customer Code:** 203040  
**Vendor Name :** Silling Associates, Inc.  
**Address :**  
**Street :** 405 Capitol Street, Upper Atrium  
**City :** Charleston  
**State :** WV **Country :** USA **Zip :** 25301  
**Principal Contact :** Jody S. Driggs,  
**Vendor Contact Phone:** 304-346-0565 **Extension:**

**FOR INFORMATION CONTACT THE BUYER**  
 Melissa Pettrey  
 (304) 558-0094  
 melissa.k.pettrey@wv.gov

**Vendor Signature X**  **FEIN#** 55-0569383 **DATE** 08/30/2022

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.

(Name, Title)  Principal  
(Printed Name and Title) Jody S. Driggs, Principal  
(Address) 405 Capitol Street, Upper Atrium Charleston, WV 25301  
(Phone Number) / (Fax Number) 304-346-1522 304-346-1522  
(email address) jdriggs@silling.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contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise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 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.*

Silling Associates, Inc.

(Company) \_\_\_\_\_  
 Principal  
(Authorized Signature) (Representative Name, Title)  
Jody S. Driggs, Principal 08/30/2022  
(Printed Name and Title of Authorized Representative) (Date)  
304-346-0565 304-346-1522  
(Phone Number) (Fax Number)  
jdriggs@silling.com  
(Email Address)



September 1, 2022

Department of Administration, Purchasing Division  
Buyer: Melissa K. Pettrey, Senior Buyer  
2019 Washington Street East  
Charleston, West Virginia 25305-0130

Re: **Expression of Interest, CEOI 0211 GSD2300000002**  
**CAPITOL CAMPUS LIGHTING DESIGN PROJECT**

Selection Committee Members,

**Silling Architects** is pleased to submit an Expression of Interest to provide complete architectural/engineering design services for the Capitol Campus Lighting Design project. We offer the General Services Division one of the most professional and experienced architectural firms in the state of West Virginia offering an unparalleled reputation for design excellence and service.

We are a West Virginia practice, through and through. Established in Charleston in 1902, our firm takes great pride in being the longest continuing practice in the state and one of the oldest in the country. Our legacy of bettering the lives of West Virginians through the built environment is a commitment we take with much enthusiasm, creativity and hard work. Ours is a practice centered on client service; learning their needs and devoting our energies into developing projects that exceed their expectations at every level. Our success is evidenced by a reputation throughout the state for clear project leadership, highly detailed documents, and completed works which speak to the values and goals of the client and communities for which they are built.

**Reed Burkett Lighting Design** was founded in 1988 and has serviced a diverse clientele throughout North America for over three decades. The Saint Louis, Missouri, USA-based practice employs a versatile team of design professionals, with lighting related backgrounds serving governmental, corporate, office environment, museums, hospitality, retail, historic restoration, monumental spaces, campus, site, and exterior building façade projects.

Our team's experience having completed the Capitol Campus Exterior Lighting Assessment in 2011 and subsequent full design services for the initial phases of project implementation from 2018 to today, we believe, allows us to partner with the General Services Division once again to deliver the very best and most appropriate planning and design services for this project. We have gained incredible insight into the WVGSD's project goals, design and performance requirements, and methodology for implementing this unique project through a nuanced and phased approach through our previous work. Our level of investment in this project, from architecturally sensitive lighting study of this historic structure, to highly-tuned landscape lighting dimming, to complex mapping of pathways through the rotunda gutter and above dome colonnade, will provide maximum value to the State of West Virginia.

We are extremely excited about the opportunity to work with you on this worthy project and look forward to further detailing our overall qualifications and project approach in an interview.

Sincerely,



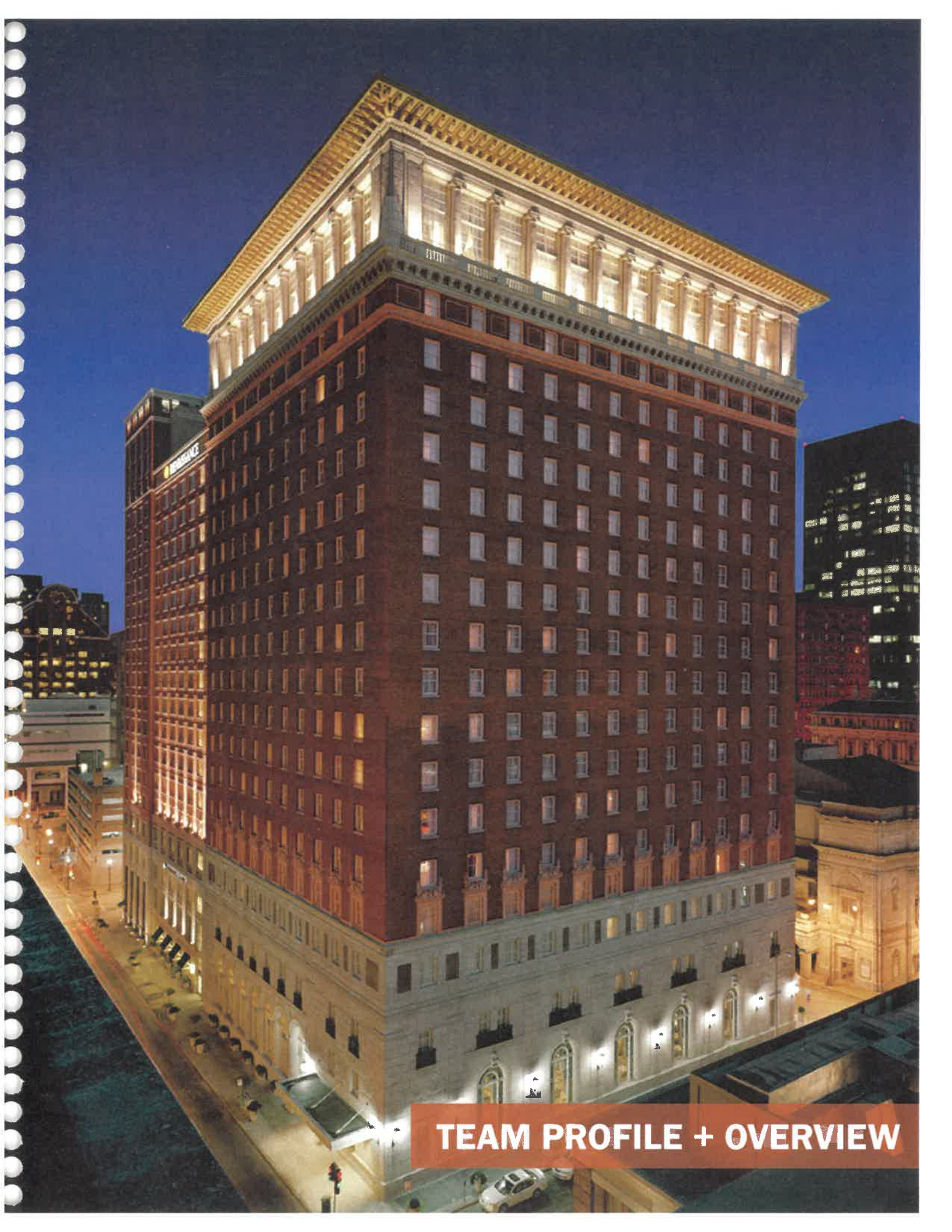
Jody S. Driggs, AIA, NCARB  
Principal  
**Silling Architects**



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**TEAM PROFILE + OVERVIEW**

SILLING  
ARCHITECTS



 Scheeser  
Buckley  
Mayfield



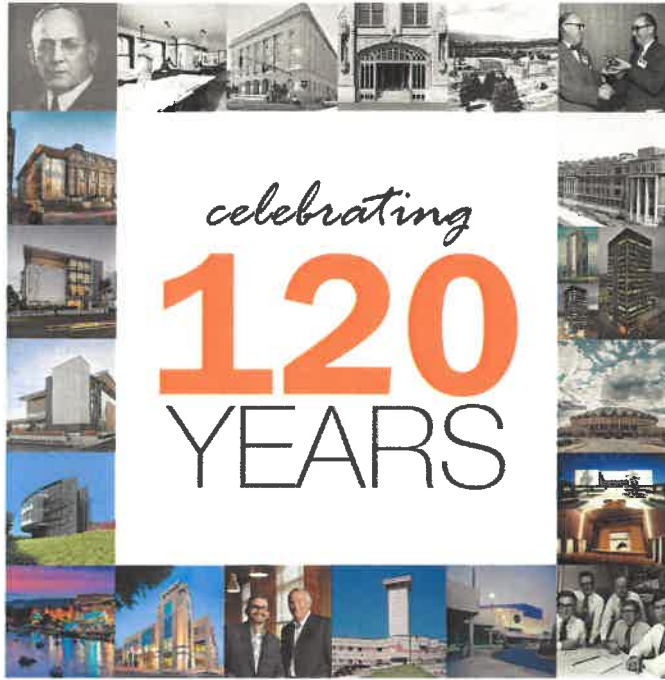


H. RUS WARNE

WARNE, TUCKER, & PATTESON

SILLING ARCHITECTS

SILLING ASSOCIATES



WARNE, TUCKER, SILLING, & HUTCHINSON

C E. SILLING & ASSOCIATES

TUCKER & SILLING



# Firm Introduction

SILLING ARCHITECTS



Franklin County Judicial Center & Courthouse

## YEARS IN BUSINESS

120

## PRINCIPALS

Tom Potts, AIA  
Jody Driggs, AIA

## LOCATIONS

Charleston, WV  
Orlando, FL

## EMPLOYEES

20

## WEBSITE

[silling.com](http://silling.com)

**100+ /** 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 client's stories. We are a West Virginia legacy architectural firm with beginnings in 1902 and decades of service to seven generations of Americans and the 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.

Every project is approached within a highly collaborative culture of design inclusiveness. We are committed to discovering, embracing, and nurturing our client's vision, and integrating the talents of all stakeholders on the pathway to a critical design solution. Our collaborative nature, approach to powerful relationships, and strategic partnering has allowed us to effectively support a nationwide client base with local service results. We have found that project success is grounded in the leadership of highly active principals coupled with the ideal assignment of experienced project managers, designers, engineers and specialty design consultants tailored to match the unique nature of each project.



Kanawha County Public Library Expansion & Renovation

**SERVICES**

Architecture  
Interior Design  
FF & E. Design  
Sustainable Design  
Construction Admin.  
Flexible Project Delivery

**BUILDING TYPES**

Justice  
Government  
Civic + Cultural  
Multi-Family Housing  
Education  
Health + Wellness  
Development

**PROJECT LOCATIONS**

WV, OH, NC, VA, PA,  
GA, FL, MD, KY, CA

**Planning** / Creative collisions yield the seed of an idea--and that is the very essence of our studio's planning services. It is the critical first step in the design process that helps cultivate a client's vision for their project, uncovering through careful analysis and spirited collaboration a better understanding of site, building size, performance, function, and cost.

**Interior Design** / Steve Jobs once said, "Design is not just what it looks like and feels like. Design is how it works." At Silling, we truly believe interior "architecture" is central to how well a building "works"—providing vast opportunities to enhance productivity, health, and well-being for its occupants.

**Technology** / Silling Architects utilizes advanced 3D modeling and design software platforms that enable exceptional design exploration and global building systems integration. The software greatly enhances the client's capacity to visualize design aesthetics and functionality, while facilitating engineering and construction collaboration. We also employ 3D printing technology in the development of physical study and presentation models, examining massing, proportion, and relationship within each project's context.

**Justice + Civic Architecture** / Over the last 25+ years, Silling Architects has served a long list of state and local governmental campuses throughout West Virginia and beyond. This experience includes over sixty Justice + Civic campus projects throughout ten states totaling over 3.4 million square feet with a combined construction value exceeding \$932 million.





Design Award Recognition  
SILLING ARCHITECTS



**Franklin County  
Judicial Center**

Chambersburg, PA

\*AIA WV Honor Award for  
Excellence in Architecture



**Martinsburg Police  
Headquarters &  
Municipal Court**

Martinsburg, WV

\*AIA WV Honor Award for  
Excellence in Architecture



**Lofts on 5th**

Fernandina Beach, FL

\*AIA WV Merit Award for  
Achievement in Architecture



**Delaware County  
Courthouse**

Delaware, OH

\*AIA WV Merit Award for  
Achievement in Architecture



**John Marshall  
High School**

Glen Dale, WV

\*AIA WV Citation Award for  
Achievement in Architecture



**Cabin Creek  
Health Systems**

Sissonville, WV

\*AIA WV Honor Award for  
Excellence in Architecture

**Additional Design Awards:** Summit Welcome Center (Boy Scouts of America), Moses Private Residence, Chesapeake Energy Eastern Regional Headquarters, James C. Wilson Student Union (West Virginia State University), Star USA Federal Credit Union



**Monongalia County Justice Center**

Morgantown, WV

\*AIA WV Honor Award for Excellence in Architecture



**Dixon Hughes Goodman Offices**

Charleston, WV

\*AIA WV Honor Award for Excellence in Architecture in Interior Design



**Walker Convocation Center, West Virginia State University**

Institute, WV

\*AIA WV Merit Award for Achievement in Architecture



**Lewis County Judicial Annex**

Weston, WV

\*AIA WV Merit Award for Achievement in Architecture



**Raleigh County Judicial Center**

Beckley, WV

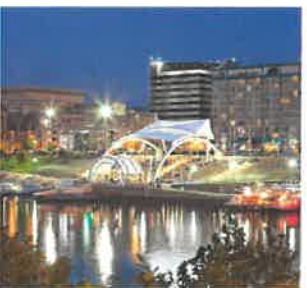
\*AIA WV Honor Award for Excellence in Architecture



**Morgan County Courthouse**

Berkeley Springs, WV

\*AIA WV Honor Award for Excellence in Architecture



**Haddad Riverfront Park**

Charleston, WV


\*AIA WV Honor Award for Excellence in Architecture



**Bible Center Church Southridge Campus**

Charleston, WV

\*AIA WV Merit Award for Achievement in Architecture



STUDIO

## Firm Introduction

### A diverse set of practitioners focused on one goal

Reed Burkett Lighting Design maintains a studio environment that fosters creativity and innovation, while placing a premium on client satisfaction. Lighting is considered both artistic craft and technical discipline, synthesized through thoughtful design. Our professional team is diverse in both education and practice; with skills and knowledge in architectural and theatrical lighting, architecture, interior design, engineering, and manufacturing that are applied in the studio's daily practice. Ongoing leadership in sustainable design, energy conservation and innovative professional practice has positioned Reed Burkett Lighting Design as one of the profession's most respected practices.

We use the medium of light as an essential element for addressing the aesthetic and functional challenges of the built environment. Through the assimilation of lighting into the overall design process, we strive to support the creation of vital, sustainable places for our clients and the world at large.

We are proud to offer our clients a complete range of lighting design services, from initial conceptual development through final project completion. We have worked in a collaborative capacity on projects of all sizes, assembling the appropriate team from our firm's experts to most efficiently and effectively address the demands. Project and team leaders at RBLD also serve in leadership roles within the lighting industry, including positions of standards' development and creation, ensuring projects are at the forefront of today's technology and building requirements.

For more information, please visit our website at [www.rblidi.com](http://www.rblidi.com)

#### Principal Contacts:



**Randy Burkett**  
President &  
Design Principal



**Vickie Hayden**  
Office Administrator



STUDIO

# History

## Three decades of success

Reed Burkett Lighting Design was founded in 1988 and has serviced a diverse clientele throughout North America for over three decades. The Saint Louis, Missouri, USA-based practice employs a versatile team of design professionals, with lighting related backgrounds and education in architectural engineering, architecture, interior design and theatre. The entire team shares the common goal to assist clients in helping realize their visions, while working to better the world through lighting's contribution to the quality of life.



Formerly Director of Lighting Design at HOK, Randy Burkett founded the firm with a desire to provide quality lighting design, while maintaining a high degree of client-focused attention. A remarkable varied collection of successful work in such areas as: corporate office environment, museums, hospitality, retail, historic restoration, monumental spaces, campus, site, and exterior building facades, speaks to the company's breadth of knowledge and experience. The firm's thirty plus years of design work includes commissions throughout the United States and twenty other countries. The practice has been recognized with a wealth of lighting design awards and public recognition for its body of work.



As Reed Burkett Lighting Design looks to its future, it is positioned to continue delivering memorable lighted environments to all those they serve.

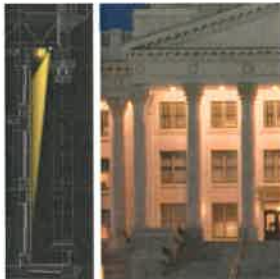


# A Comprehensive Consultancy



## Conceptual & Planning

A lighting design concept cannot be adequately developed until the project goals and requirements are well understood. It is this early dialogue between designer and decision-maker that lays the groundwork for a successful creation of the vision. A lighting concept evolves, constantly folding feedback from the client and other team members into its refinement. It must also take into account other key parameters such as budget, schedule, systems integration, code requirements, and similar over-arching issues.



## Documentation

A well-conceived lighting design is ultimately only as good as how effectively it is communicated to those who must implement it. Reed Burkett Lighting Design is equipped to provide documentation of the technical and aesthetic elements of a project's lighting and lighting control systems. The level and nature of production will hinge on what is required from the lighting designer to sufficiently transfer the information to those who will be charged with executing the design.



## Lighting Controls

Lighting controls are an important aspect of successful lighting design implementation. Whether managing power consumption, meeting code mandates, servicing programmatic needs, creating dynamic effects, or simply managing on/off cycles, the control of light and its impact on a project can be a key element of success.



## Project Delivery

Well-coordinated lighting design and documentation provides the cornerstone for the expectation of a high quality final result. However, to be fully and accurately implemented, it is often necessary to provide diligent construction administration. Reed Burkett Lighting Design provides a variety of services focused on helping the client fully realize the vision of the original design intent.

STUDIO

# Honors

Throughout its history, the firm's lighting has been honored with numerous awards for design excellence and technical achievement. Corporate headquarters, university libraries, hotels, urban revitalizations and man-made shark environments are among the diverse collection of projects for which the company has been cited for its design virtuosity.



## The Martin Luther King, Jr. Memorial

Location: Washington, D.C.

*International Association of Lighting Designers*

Award of Merit

*Illuminating Engineering Society*  
2012 Award of Excellence

*Architectural Lighting Magazine*  
Award of Merit

*Illuminating Engineering Society – New York*

Lumen Award of Merit



## Utah State Capitol

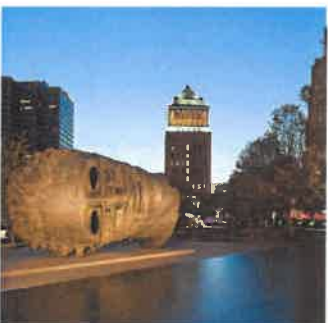
Location: Salt Lake City, UT

*International Association of Lighting Designers*

Award of Excellence

*Illuminating Engineering Society*  
IIDA Award of Merit

*Architectural Lighting Magazine*  
Award of Merit



## Citygarden

Location: St. Louis, MO

*Illuminating Engineering Society*  
Award of Merit

*Illuminating Engineering Society – New York*  
Lumen Award of Merit

*Urban Land Institute*

2011 America's Outstanding Open  
Urban Space





**Gateway Arch**  
Location: St. Louis, MO

*International Association of Lighting Designers*

Award of Merit

*Illuminating Engineering Society*

IIDA Award of Excellence



**GSA Hipolito Federal Building**  
Location: San Antonio, TX

*Illuminating Engineering Society*

IIDA Award of Merit



**Lambert St. Louis Airport**  
Location: St. Louis, MO

*Illuminating Engineering Society*

Section Award



Scheeser  
Buckley  
Mayfield

Simply better.

1540 Corporate Woods Pkwy  
Uniontown, OH 44685

330-526-2700  
sbmce.com

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  
Higher Education  
K-12

Government  
Corrections  
Central Plants

Commercial  
Religious  
Industrial





# SBM enhances lives through effective engineering.



**PASSIONATE  
PEOPLE**



**COLLABORATIVE  
COMMUNICATION**



**PRODUCTIVE  
PROBLEM  
SOLVING**



**EXCEPTIONAL  
ENGINEERING**

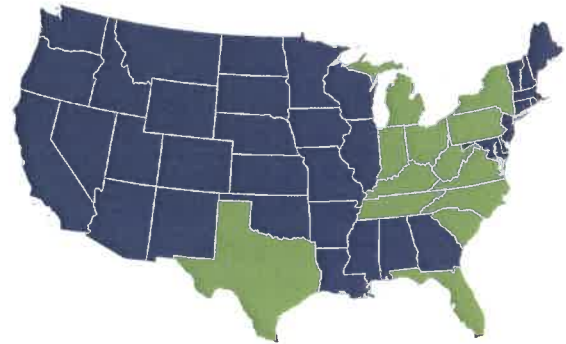
## At SBM, our greatest asset is our staff.

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.



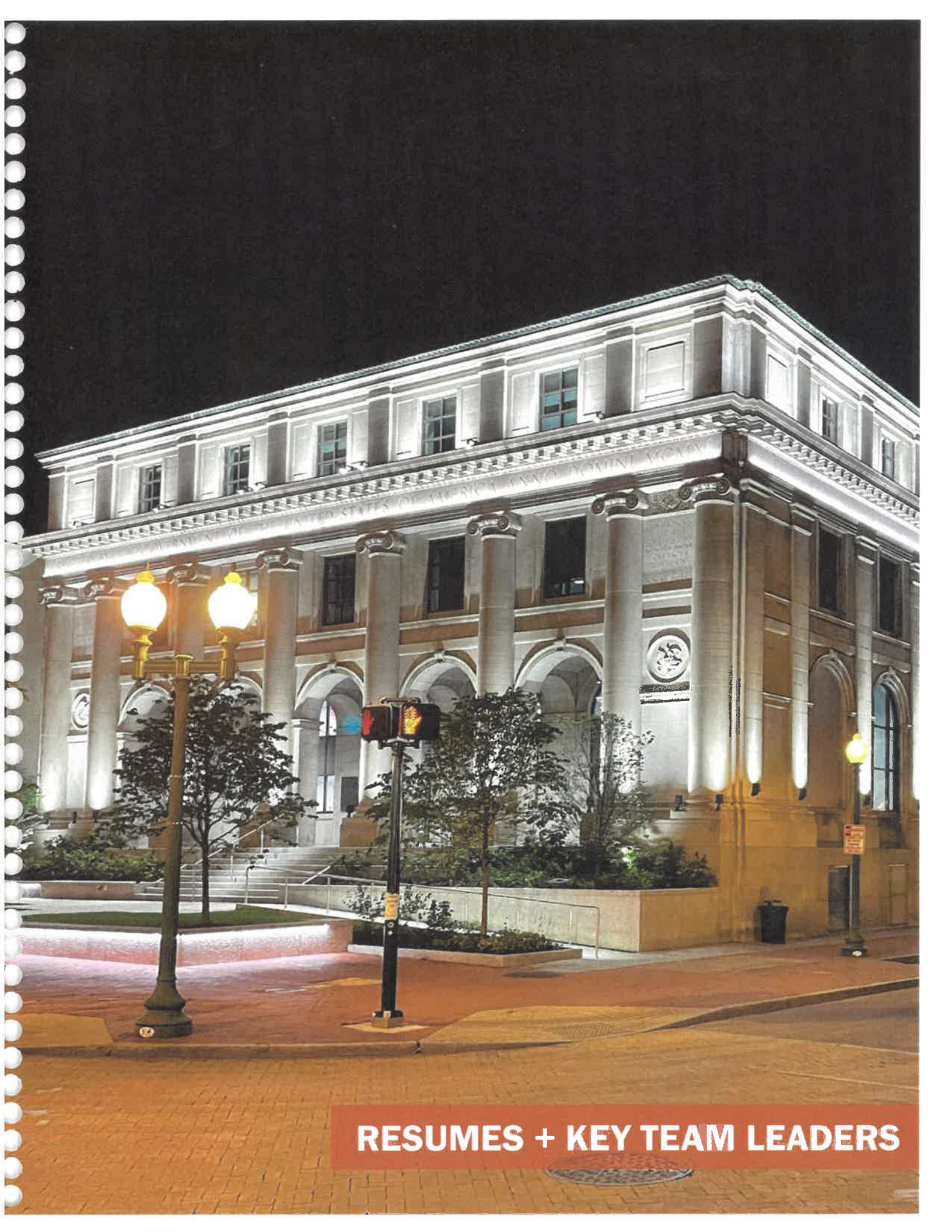
SBM has professional engineers registered in 13 states.

## 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.





**RESUMES + KEY TEAM LEADERS**

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SILLING  
ARCHITECTS



# Jody Driggs AIA, NCARB

## PRINCIPAL IN CHARGE & OVERALL PROJECT EXECUTIVE

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



### PROJECT EXPERIENCE

West Virginia State Capitol Campus Exterior Lighting - Charleston, WV \*  
West Virginia Lottery Headquarters - Charleston, WV  
Kanawha County Public Library - Charleston, WV \*  
Monongalia County Justice Center - Morgantown, WV  
Raleigh County Judicial Center - Beckley, WV  
Cabarrus County Courthouse - Concord, NC \*  
Martinsburg Police HQ & Municipal Court - Martinsburg, WV  
Franklin County Judicial Center - Chambersburg, PA  
Fernandina Beach City Hall - Fernandina Beach, FL  
Cambria County Courthouse - Ebensburg, PA  
Raleigh County Sheriff's Department - Beckley, WV  
Marshall County Courthouse - Moundsville, WV  
Athens-Clarke County Judicial Center Study - Athens, GA  
Union County Courthouse - Marysville, OH  
Palm Bay City Hall Building E - Palm Bay, FL  
Monongalia County Justice Center - Morgantown, WV  
Barrow County Courthouse & Detention Center - Winder, GA  
Randolph County 911/OEM Center - Elkins, WV  
Harrison County General Services Annex - Clarksburg, WV  
Delaware County Courthouse - Delaware, OH  
Seneca County Joint Justice Center - Tiffin, OH  
Dickenson County Judicial Center - Clintwood, VA  
Martinsburg City Hall - Martinsburg, WV  
Buchanan County Courthouse - Grundy, VA  
Anthony Correctional Center - Neola, WV

\* In collaboration with Reed Burkett Lighting Design



### YEARS EXPERIENCE

25

### EDUCATION

Bachelor of Architecture  
University of Tennessee, 1996

### REGISTRATIONS

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

National Council of Architectural  
Review Boards (NCARB)

### ASSOCIATIONS

American Institute of Architects (AIA)

AIA Academy of Architecture for  
Justice





# Randy Burkett

FIALD, FIES, LC

Randy Burkett is the President and Design Principal of Reed Burkett Lighting Design, Inc. As Principal, he establishes design direction and oversees the management of the firm's projects.

Since he began professional practice in 1978, he has been responsible for the lighting of numerous national and international projects. He has designed the lighting for a diverse collection of environments including site developments and building exteriors, signature bridges, convention centers, museums, retail malls and stores, corporate offices, government facilities, health care facilities and laboratories. Before establishing his own firm, he spent eight years with the Lighting Design Group of Hellmuth, Obata and Kassabaum as its Director, and as a Vice-President of the company.

Randy is an active member of the International Association of Lighting Designers (IALD) and is both a former board member and past president. He is involved in IESNA Technical and Design committees including "Quality of the Visual Environment", Lighting for Outdoor Public Spaces and the "Color Metric Task Group". He has authored a wide variety of design and technical articles and is a frequent speaker to professional organizations on a variety of lighting design subjects. He has served as an instructor at the University of Colorado in Boulder and Maryville University in St. Louis; and is currently a member of the Adjunct Faculty of Washington University's Graduate School of Architecture.

### EDUCATION:

- Bachelor of Architectural Engineering, Pennsylvania State University
- Institute of Advanced Architectural Studies; York, England
- University of Leeds; Leeds, England

### MEMBERSHIPS:

- International Association of Lighting Designers (IALD) Fellow
- Illuminating Engineering Society of North America (IESNA) Fellow
- International Commission on Illumination (CIE)

### PROJECT EXPERIENCE:

- 800 17th Street PNC Plaza (pictured)  
*Washington, D.C.*
- CityArchRiver + Kiener Plaza  
*St. Louis, MO*
- Bearden Park  
*Charlotte, NC*
- The Martin Luther King, Jr. Memorial  
*Washington, D.C.*
- Citygarden  
*St. Louis, MO*
- Columbus Museum of Art  
*Columbus, OH*
- Lenox Square  
*Atlanta, GA*
- Utah State Capitol  
*Salt Lake City, UT*
- Lesner Bridge  
*Virginia Beach, VA*

# Brian Estep AIA

ARCHITECT | PROJECT MANAGER

Brian is a Senior Project Architect with over 28 years of experience serving a variety of building typologies, most notably within the law enforcement, courts, civic, and educational 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, supporting public agency projects with thoughtful, analytical, and responsive designs.



## PROJECT EXPERIENCE

West Virginia State Capitol Campus Exterior Lighting - Charleston, WV \*\*  
Kanawha County Public Library - Charleston, WV \*\*  
Martinsburg Police HQ & Municipal Court - Martinsburg, WV  
Martinsburg City Hall - Martinsburg, WV  
Raleigh County Sheriff's Department - Beckley, WV  
Putnam County Sheriff's Department - Winfield, WV  
Dixon Hughes Goodman - Charleston, WV  
WV State Capitol Exterior Lighting Design - Charleston, WV  
State of WV, Building 4 Renovations - Charleston, WV  
John Marshall High School - Glen Dale, WV  
WVSU Walker Convocation Center - Institute, WV  
Montgomery County Court Security Assessment - Dayton, OH  
Raleigh County Schools Bond Projects - Beckley, WV  
Frankford Elementary School Study - Frankford, WV  
Glen Dale Elementary School Renovation - Glen Dale, WV  
Milton Middle School - Milton, WV\*  
Bradshaw Elementary School - Bradshaw, WV\*  
SCTC Applied Technology Center - Williamson, WV\*  
WV Housing Development Fund HQ - Charleston, WV\*  
Erma Byrd Center for Higher Education - Beckley, WV\*  
Wood County Justice Center - Parkersburg, WV\*  
Mary Snow Elementary School - Charleston, WV\*  
Fort Gay PreK-8 School - Wayne County, WV\*  
Big Otter Elementary School - Duck, WV\*  
River View High School - Bradshaw, WV\*

\* Denotes experience from previous employment

\*\* In collaboration with Reed Burkett Lighting Design

## YEARS EXPERIENCE

28

## EDUCATION

Bachelor of Architecture  
University of Tennessee, 1992

## REGISTRATIONS

Architect: WV

## ASSOCIATIONS

American Institute of Architects (AIA)

AIA Academy of Architecture for Justice  
(AAJ)



Susan has been with Reed Burkett Lighting Design, Inc. since 1998. As one of the firm's most experienced designers, she is responsible for design concept development and project management. Susan holds a degree in Interior Design from Maryville University joining the firm at graduation.

She has been a part of the lighting design team on a wide range of successful projects including: the Gateway Arch in Saint Louis; Bearden Park in Charlotte; Citygarden in Saint Louis; Hyatt Regency St. Louis; Chihuly at the Garden; Lumiere Place in Saint Louis; and various Bass Pro Shops locations.

**EDUCATION:**

- Bachelor of Arts Interior Design, Maryville University

**MEMBERSHIPS:**

- International Association of Lighting Designers (IALD)

**PROJECT EXPERIENCE:**

- Citygarden (pictured)  
*St. Louis, MO*
- Bearden Park  
*Charlotte, NC*
- GSA Hipolito Garcio Federal Building  
*San Antonio, TX*
- Tyson's at Boro  
*Boro, VA*





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

**EDUCATION:**

The University of Akron –  
 BSEE/1984  
 Electrical Engineering

**CREDENTIALS:**

LEED Accredited Design  
 Professional

Lighting Certified (LC)

Certified Building  
 Commissioning Professional  
 (CBCP)

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

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**James E. Eckman, PE**  
 LEED AP, LC, 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. 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 feels that engineers have many opportunities to design building systems for new construction and renovations. Common challenges include coordinating with other disciplines and meeting the project budget and schedule. There are additional challenges associated with historic restoration projects, such as integrating new building systems without compromising the historic nature, the architecture, or the intent of the original design. The process can take additional time and effort but needs to be done conscientiously to preserve these extremely valuable pieces of history.

**SELECT WORK EXPERIENCE:**

- West Virginia Capital Complex, Charleston, WV
- Medina County Courthouse, Medina, OH
- Wetzel County Courthouse, New Martinsville, WV
- Delaware County Courthouse, Delaware, OH
- Jackson County Courthouse, Ripley, WV
- Greenbrier Courthouse, Lewisburg, WV
- Union County Courthouse, Marysville, OH
- Metzenbaum Federal Building, Cleveland, OH
- Christ Presbyterian Church, Canton, OH
- Kanawha County Public Library, Charleston, WV



☎ 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

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## Caleb Kuzman, PE

### *Electrical Engineer*

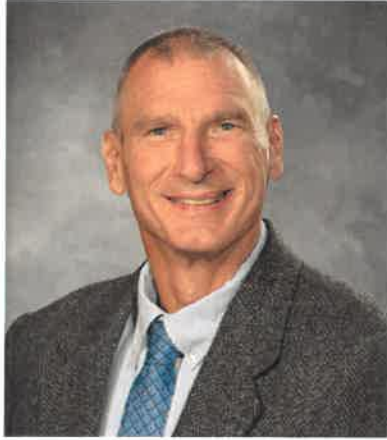
Caleb began employment at ScheeSer Buckley Mayfield in February of 2011. He is involved in all aspects of electrical design, including lighting, lighting control systems, branch circuiting, power distribution, power system studies and fire alarm systems. He also assists in estimating, site visits, client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

Since joining the firm, Caleb has been involved in multiple projects for judicial, educational 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.

Caleb believes that historic structures are an integral part of local communities. They provide a vital link to the past and help to define the culture of the surrounding area. It is important to consider these aspects when working on a historic renovation project. Modern lighting systems can be carefully designed to highlight the unique architecture of these buildings. He has been privileged to be involved in historic renovation projects that carefully bridge the gap between the past and the present.

**SELECT WORK EXPERIENCE:**

- West Virginia Capitol Complex, Charleston, WV
- Delaware County Courthouse, Delaware, OH
- Wetzel County Courthouse, Martinsville, WV
- Christ Presbyterian Church, Canton, OH
- Fernway Elementary School, Shaker Heights, OH
- Kanawha County Public Library, Charleston, WV
- West Virginia State Capital, Charleston, WV
- St. Peter's Episcopal Church, Lakewood, OH



☎ 330-526-2714  
 ☎ 330-697-0869  
 ✉ knoble@sbmce.com

**EDUCATION:**

The University of Akron —  
 BSCE/1987  
 Civil Engineering

Averett College — MBA/1991  
 Business Administration

**CREDENTIALS:**

LEED Accredited Design  
 Professional

American Society of Plumbing  
 Engineers (ASPE)

American Society of Civil  
 Engineering (ASCE)

Society of Fire Protection  
 Engineers (SPFE)

Registered Professional  
 Engineer (Civil/Fire  
 Protection) in Ohio, West  
 Virginia, Kentucky, South  
 Carolina, New York, Virginia,  
 Pennsylvania, Indiana  
 and Florida

**Kevin M. Noble, PE**  
 LEED AP, FPE  
*Principal — Civil Engineer*

Upon graduation, Kevin accepted a position as a water resource engineer at Dewberry & Davis, Inc. in Washington, D.C. There Kevin worked on contracts with the Federal Emergency Management Agency. His responsibilities included hydrologic and hydraulic analyses, flood plain delineations and storm water management facilities. He was promoted to project manager where he obtained valuable experiences in hydraulics and storm water control from projects involving the U.S. Army Corp of Engineers and Tennessee Valley Authority.

Kevin then joined Elewski & Associates, Inc. in Independence, Ohio. There, he engineered a wide range of residential, commercial and industrial development projects and provided field support to facilitate timely completion of construction. Projects included public and private schools, athletic facilities, planned residential developments, multi-phased office parks, municipal buildings and retail centers. The site engineering involved design of water mains and pumps; sanitary sewers; force mains; pump stations; and storm sewer and storm water management systems. Prior to leaving, he was promoted to village engineer, in charge of plan review, infrastructure design, public work projects and construction inspection.

Kevin joined Scheeser Buckley Mayfield in 1995 as a department head. He has since participated in and managed the design of numerous private and public civil, plumbing and fire protection projects, including prisons, health care, utility companies, universities, municipalities, churches, schools and government facilities.

Kevin is also a professional fire protection engineer and provides services for code analysis and design criteria, fire safety plans, fire suppression/sprinkler system designs and fire system construction administration services. He attends local and national plumbing, fire protection and civil conventions and seminars to stay in tune with current developing technologies. Kevin is the flood plain administrator for the City of Franklin, Summit County.

**SELECT WORK EXPERIENCE:**

- Northeast Ohio Medical University, Rootstown, OH
- Kent State University, Kent, OH
- Marshall University, Huntington, WV
- St. Elizabeth Health Systems, Youngstown, OH
- City of Akron, Akron, OH
- A.J. Celebrezze Federal Building, Cleveland, OH



# Glenn Savage Associate AIA

## CONSTRUCTION ADMINISTRATOR

Glenn has over 20 years of experience of inspecting and administering construction projects. His diverse expertise in construction oversight includes educational, governmental, healthcare, recreational, and residential building types. His attention to detail and his thorough understanding of how buildings should go together give him strong construction administration abilities. He is responsible for maintaining the project schedule, clear communication with builders and facilitating pre-construction meetings to provide clear definition of project goals and owner expectations, contractor submittal reviews, product samples, and shop drawings for conformance to the contract drawings and specifications.



### YEARS EXPERIENCE

37

### EDUCATION

Bachelor of Science  
University of Charleston, 1997

Associate of Science  
West Virginia State University, 1992

### ASSOCIATIONS

American Institute of Architects (AIA)

AIA Academy of Architecture for Justice



### PROJECT EXPERIENCE

West Virginia State Capitol Campus Exterior Lighting - Charleston, WV \*\*

Kanawha County Public Library - Charleston, WV \*\*

Williamstown AASF1 Renovations - Williamstown, WV

Martinsburg Police HQ & Municipal Court - Martinsburg, WV

Raleigh County Sheriff's Department - Beckley, WV

Harrison County General Services Annex - Clarksburg, WV

Marshall County Courthouse - Moundsville, WV

Putnam County Sheriff's Department - Winfield, WV

Cameron EMS Garage - Cameron, WV

John Marshall High School - Glen Dale, WV

West Virginia Governor's Mansion - Charleston, WV

Pendleton County Courthouse - Franklin, WV

WVSU Canty House - Institute, WV

WVSU Multiple HVAC Replacements - Institute, WV

Cabin Creek Health Center - Sissonville, WV

YMCA of Kanawha Valley - Charleston, WV

Southern WV Community & Technical College - Williamson, WV\*

West Virginia State Police Offices - South Charleston, WV\*

West Virginia State Office Building #5 Renovations - Charleston, WV\*

Wood County Justice Center - Parkersburg, WV\*

CAMC Teays Valley Intensive Care Unit - Teays Valley, WV\*

Highland Hospital - Charleston, WV\*

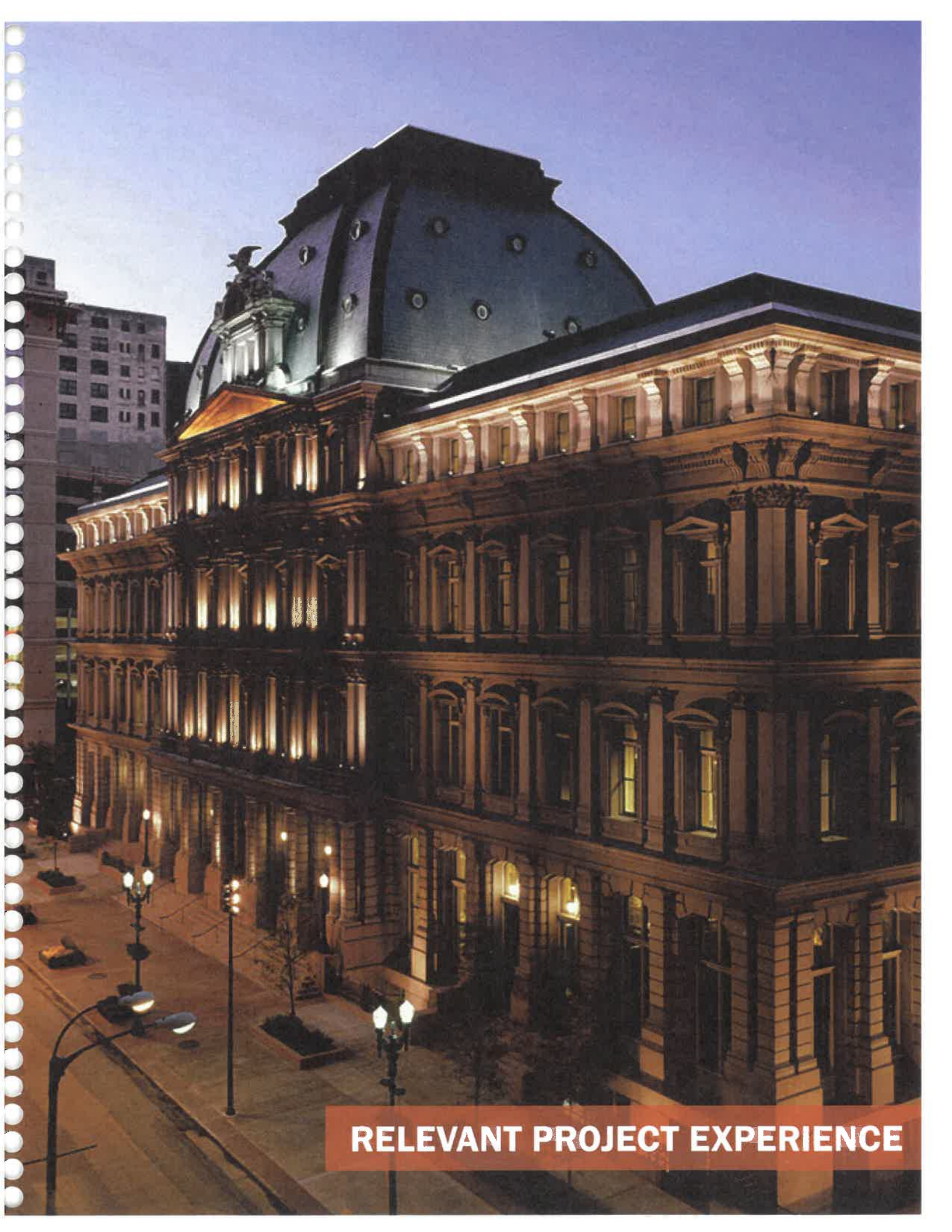
The Retreat at Glade Springs - Daniels, WV\*

Harts PreK-8 School - Lincoln County, WV\*

Yeager Airport Renovations - Charleston, WV\*

\* Denotes experience from previous employment

\*\* In collaboration with Reed Burkett Lighting Design



**RELEVANT PROJECT EXPERIENCE**

SILLING  
ARCHITECTS



 Scheeser  
Buckley  
Mayfield



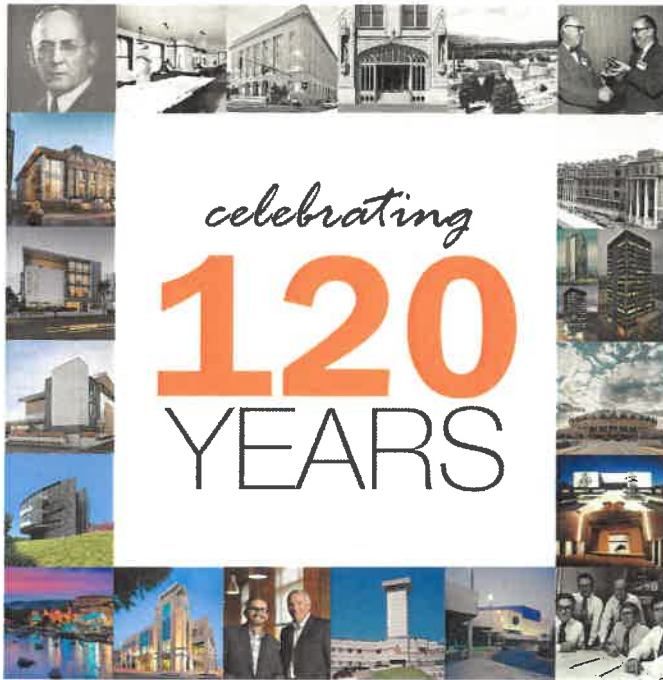


H. RUS WARNE

WARNE, TUCKER, & PATTESON

SILLING ARCHITECTS

SILLING ASSOCIATES



WARNE, TUCKER, SILLING, & HUTCHINSON

C.E. SILLING & ASSOCIATES

TUCKER & SILLING



## WV State Capitol Exterior Lighting

CHARLESTON, WV



### SCOPE

Phased Exterior  
Lighting Design

### STATUS

Construction Phase

### CONTACT

Department of Administration  
General Services Division  
State of West Virginia

Lighting for the capitol building, a historic structure and beautiful piece of architecture, was improved and modernized. Project challenges included establishing pathways and mounting techniques for light fixtures that would satisfy the preservation of historic integrity and the architectural mastery of the building. The capitol dome is one of the most prominent features of any capitol building. The owner recognized that the existing lighting was failing to highlight the building's features and was historically inaccurate. The need for security lighting overshadowed the responsibility of lighting this beautiful piece of architectural history in the proper manner. A full-scale mock-up revealed the need to blend LED technology with metal halide technology to bring out the gold leaf as well as the background color of the dome.

The lighting control system developed for this project was based upon a fully networked DMX system and employed both white light and color changing technologies. The owner has virtually unlimited control of the fixtures. The electrical design included infrastructure upgrades to lighting panelboards to accommodate the additional lighting loads and the design of networked DMX lighting controls to operate the fixtures. Detailed mockups were performed in coordination with the lighting designer to verify the best lighting technologies to be used on the project.





## Kanawha County Public Library

CHARLESTON, WV



### SCOPE

80,000 SF  
Additions &  
Renovations

### COST

\$25 million

### STATUS

Construction Phase

### CONTACT

Monika Jaensson  
President  
KCPL Board of Directors  
1.304.357.9924

The design team of Silling and HBM Architects have “reimagined” Kanawha County’s historic downtown library, providing a dynamic transformation that features fully renovated existing space, 20,000 square feet of new space, and beautifully sculpted glass walls reaching to the sky, creating a 21st century library that will serve our region for decades to come. This new main library building will allow Kanawha County’s library system to provide more efficient services to its nearly 117,000 card holders.

The new library building will feature a total of 80,000 square feet of space: 60,000 square feet fully renovated and 20,000 square feet of expanded space, two new additions including a three-story addition to what is now the rear of the library that will serve as the new entrance to the building, as well as a two-story addition utilizing space along an alley between the library and the KB&T building. A third floor covered walkway above Quarrier Street will take library patrons from the Summers Street Parking Garage to the library. The project will provide approximately 10,000 square feet of children’s activity space, more than double the current size, for collections, story time, a craft room, and other activities. More public space for the community, including much needed and often-requested reading areas, study rooms and flexible meeting space for groups of 2 to 200 are also incorporated into the design.

By renovating and expanding its century-old space, the Kanawha County Public Library will revive an iconic landmark in downtown Charleston and bring an exciting, fresh, new space to serve as the community’s gathering place.







## Cabarrus County Courthouse

CONCORD, NC



### SCOPE

312,000 gsf  
New Construction  
Renovations  
Urban Planning

### COST

\$109 million

### STATUS

Construction Phase

### CONTACT

Kyle Bilafer  
Area Manager of Operations  
1.704.305.9723  
KDBilafer@cabarruscounty.us

Silling Architects is serving as the Architect of Record for the design and construction of a new courthouse to be located in Concord, North Carolina. Built over 45 years ago, the existing courthouse was built at a time when the county population was approximately 80,000. With a current county population of 206,000 and a 130% increase in court caseload activity over the last three decades, a plan for a new and expanded courthouse had become a top priority for the County's Board of Commissioners.

Representing a significant architectural development within the urban core of Concord, and expounding on the social and civic legacy of the courthouse site, the new Cabarrus County Courthouse will take a bold step in contributing to the continued revitalization of the downtown. While the existing courthouse fronting Union Street will be completely renovated and continue to be utilized to serve and support the administrative functions of the court, a new addition and new public entry element will reshape the identity of the courthouse campus. The intentional siting of this new primary entry is the defining element of the concept, and establishes a new public plaza space that honors the historic notion of courthouse entry while informing future redevelopment North along Church Street and beyond.

Overall the project will include 240,000 square feet in new construction, 72,000 square feet in existing facility renovations, four Superior Court jury-capable courtrooms, six District Court courtrooms, 2 future courtrooms, a 45,000 square foot shell space for future expansion, and 14,000 square feet of expansion space in the new facility.





## Monongalia County Justice Center

MORGANTOWN, WV



### SCOPE

84,000 SF  
Adaptive Reuse

### COST

\$17.3 million

### STATUS

Completed in 2016

### CONTACT

Renetta McClure  
County Administrator  
1.304.291.7281  
rmcclure@moncommission.com

Originally built in the 1970s, the former Harley O. Staggers Federal Building and regional post office presented a very unique and exciting opportunity to serve the growing judicial services of Monongalia County. Having been vacant and closed for more than eight years, county leaders would ultimately purchase the 84,000 square foot, four-level building in 2007. The project made responsible use of the public investment while also contributing to the overall reduction of environmental impact in reuse of the existing building stock. The design's resulting expression provided a strong community presence with an elegant exterior facelift while also introducing a more ordered, functional and secure setting for the County's court operations.

The design implements three major ideas: clear and well-defined public spaces with a strong sequence from the entry to the courtrooms; introduction of natural daylighting; and the use of high contrast interior finishes to create dignified spaces. High volume functions of the court are located near the lobby and on lower floors. The circulation is simple, direct and distinctly separated into public, private and secure paths of movement.

Courtrooms are located on the upper floors stacked and grouped inwardly oriented on the floor plan. They are served by intermediate secure detainee elevators and holding cells as well as jury deliberation rooms in immediate adjacency. Courtrooms are equipped with zoned lighting as well as state-of-the-art technology and audio visual features including interactive monitors, evidence presentation cart, sound system with assisted listening, and large format screens with video conferencing capabilities all fully operational from sophisticated bench control software.

**AWARDS:** AIA WV Honor Award for Excellence in Architecture

**SILLING**  
ARCHITECTS



## Franklin County Judicial Center

CHAMBERSBURG, PA

### SCOPE

130,000 SF  
New Construction  
Renovations

### COST

\$35 million

### STATUS

Completed in 2021

### CONTACT

Carrie Gray  
County Administrator  
1.717.261.3812  
cegray@franklincountypa.gov

The new 130,000 gsf judicial center includes administrative office departments for the Common Pleas, District, and Magistrate Courts, Clerk of Courts, Public Defender, Juvenile Probation, Adult Probation, Sheriff, and the District Attorney. The upper levels include courtrooms of varying sizes and supporting judges' chambers and admin spaces. The subterranean sallyport with central holding offers isolated secure elevator transport of detainees to intermediate holding cells between the courtsets. Below grade protected judges' parking provides access to secure vertical circulation paths to the chambers above. The existing courthouse (with additions) has been partially reprogrammed to support a portion of the aforementioned departments. A subtle and unobtrusive pedestrian bridge softly engages the former structure to intermingle all court activities. The high-volume entry lobby is strategically placed biaxially with the historic courthouse to further bow in formal significance, yet houses the single point of entry for queuing and screening. The approach to the welcoming entry portico is served by a grand stair and a subtractive treatment of the colonnade opposite the infilled lobby condition. This extends the rhythm of the courthouse's vertical fenestration and provides a covered portico leading to the largely accepting glass storefront entry doors.

The massive footprint is broken down by sections of neo-traditional brick character reflections infilled with fully transparent modern hyphens. This assists in complimenting the contextual storefront proportions with a systematic rhythmic character on the main street elevation. Silling has enjoyed the opportunity to delicately blend the formula and achieve a highly integral solution to serve the residents of Franklin County for many years to come.

**AWARDS:** AIA WV Honor Award for Excellence in Architecture

**SILLING**  
ARCHITECTS





## Martinsburg Police Headquarters & Municipal Court

MARTINSBURG, WV



### SCOPE

36,000 SF  
New Construction

### COST

\$11 million

### STATUS

Completed in 2020

### CONTACT

George Swartwood  
Chief of Police  
1.304.264.2100  
g\_swartwood@martinsburgpd.org

With a growing Police Department and Municipal Court operations the City of Martinsburg was in need of additional space for these services. The city purchased a parcel of property just steps away from City Hall on the corner of West Race and North College Streets that had previously been home to the local Chapter of the American Legion as a possible location for a new Police headquarters and Municipal Court. Working closely with representatives from the City, Police Department and Municipal Court, Silling performed programming services and developed a graphic test-fit as a means to demonstrate how the program could fit in a new building constructed on the purchased property.

The massing of the building is a representation of the interplay between solid and void and how that that form is created relative to the usage of the spaces within the building. A community room is located on the first level just off of the main public lobby and security screening area. The remainder of the first level consists of a new multi-cell holding area, vehicular sallyport, locker rooms for police officers and other police support spaces. The Police Department is located on the second level with its own separate public waiting area and large squad room with glass façade that provides natural light and views down Race Street to the downtown and the adjacent public parking area that serves City Hall. The Municipal Courtroom and associated spaces are located on the third level with a spacious public waiting area with an easily visible courtroom entrance and private circulation for staff. Transaction windows for the Court Cashier, Court Clerk and Magistrate are located off the public lobby. The third level features a ribbon of clerestory windows allowing natural light into the courtroom and offices located along the perimeter walls.

**AWARDS:** AIA WV Honor Award for Excellence in Architecture  
2021 Community Award, WV Municipal League

**SILLING**  
ARCHITECTS



## Morgan County Courthouse

BERKELEY SPRINGS, WV



### SCOPE

47,000 SF  
New Construction

### COST

\$11.2 million

### STATUS

Completed in 2010

### CONTACT

Glenn Stotler  
Former Commissioner &  
Current Family Court Judge  
1.304.261.9790

On August 8, 2006, fire destroyed the Morgan County Courthouse located diagonally across the main intersection from the state park. Constructed in 1924, it was the second courthouse located at the site and what would be considered as the most prominent public property in the community. It was a relatively simple, neo-classical, two story, and yellow brick building that featured a clock-tower cupola above the classical cut-stone arch entry. The entry was oriented directly to Fairfax Street and a public green space/boulevard that was at one time the main road leading east toward Virginia.

A clear mandate from the community was to develop a design that was reminiscent of the old courthouse and add to the architectural character and the tourism spirit of Berkeley Springs. The new courthouse has a dominant corner entry element that anchors the building composition and addresses both Fairfax and Washington Streets responding to the current urban circulation patterns, by contrast to the single entry from Fairfax Street of 1924.

The building program includes a mix of county administrative offices on the first floor and county judicial functions including Circuit Court, Family Court and Magistrate Court on the second and third floors. The design includes best practice principles of public screening at the access point to vertical circulation, and clear separation of public, staff and in-custody litigants. The technical systems include state-of-art access control, courtroom digital switching and evidence presentation technology.

**AWARDS:** AIA WV Honor Award for Excellence in Architecture

**SILLING**  
ARCHITECTS





## Raleigh County Judicial Center

BECKLEY, WV

### SCOPE

70,000 SF  
New Construction

### COST

\$15.6 million

### STATUS

Completed in 2012

### CONTACT

Dave Tolliver  
Commissioner  
p 1.304.255.9146

The new Raleigh County Judicial Center is located on a tight urban infill sight at the main intersection in the center of uptown Beckley, West Virginia. The intersection marks the convergence of the historic Raleigh County Courthouse, the Robert C. Byrd Federal Courthouse, and the new Raleigh County Judicial Center. The new 70,000 square foot judicial center features three state-of-the-art circuit courtrooms, a future fourth circuit courtroom, two magistrate courtrooms, a third future magistrate courtroom, and two family courtrooms. A secure vehicular sally port is accessed from the lower level located along north side of the building. A central holding component allows for detainees to be safely and securely transported into the facility, and then vertically via secure elevators with direct access to the courtrooms. Additionally, the courts are supported by the Circuit and Magistrate Clerks, with related service, administrative, and records storage space.

The design of the Judicial Center responds to the urban context addressing the intersection with a clock tower/ vertical circulation component on axis with the pedestrian walk and courthouse greenspace. The building edge is directly adjacent to the city sidewalk bordering both significant elevations. The long west elevation features a colonnade relating to a similar feature in the Federal Courthouse and allows site-lines for pedestrians and vehicular traffic to the historic county courthouse to be expanded upon arrival to the city center. The architectural expression takes its cues from both courthouses. The fundamentals of building massing, proportion, rhythm, scale, materials, and fenestration are extracted and integrated to establish a new identity for the new facility.

**AWARDS:** AIA WV Honor Award for Excellence in Architecture

**SILLING**  
ARCHITECTS





## Haddad Riverfront Park

CHARLESTON, WV

### SCOPE

Performance Stage  
Retractable Canopy  
Pavilion  
New Construction

### COST

\$2.9 million

### STATUS

Completed in 2009

Haddad Riverfront Park was built in 1993 as a 36,000 square foot concrete amphitheater on the banks of the Kanawha River in downtown Charleston, WV. It is a regional gathering place for people to celebrate holidays and city festivals, listen to music and enjoy watching the river traffic. In 2008, the team at Silling was hired by the City of Charleston to address five separate projects: a shade structure (canopy) for the center section of seating, a permanent performance stage, a pavilion, streetscape and boat docks.

The primary design objectives of the canopy were to create a unique and iconic structure celebrating Charleston's "front porch", to provide shade for people and amphitheater surface keeping the concrete cool, and the canopy was required to allow unobstructed views of the sky for viewing fireworks during city festivals and holidays. A tensile fabric and steel structure was designed for its ability for long spans with a single large fabric panel to retract toward and away from the stage.

The performance stage provides an intimate connection between audience and performers—both on land and in the water, to honor the long history of this place as a river port going back to the mid-nineteenth century, to be easily maintained after occasional floods, and accommodate the Charleston Symphony Orchestra.

The Court Street Pavilion provide a primary visual connection of the park to downtown, to create a community pavilion for recreation, lunches, gathering space and informal street level performances. Court Street is the main north/south street running from the western edge of the park through Charleston's downtown. The technology offers a great deal of form making freedom and expression, and the Pavilion is as sculptural as it is functional.

**AWARDS:** AIA WV Honor Award for Excellence in Architecture

**SILLING**  
ARCHITECTS



## Bible Center Church

CHARLESTON, WV



### SCOPE

70,000 SF  
New Construction

### COST

\$15.6 million

### STATUS

Completed in 2008

### CONTACT

Lee Walker  
Bible Center Church  
1.304.346.0431

When Bible Center outgrew its existing campus, a 96-acre parcel was purchased for the multi-phased relocation of the worship services, administration, daycare, preschool, and private elementary school functions. Having selected such a picturesque, natural setting, the primary concept of the church leadership and design team was to develop a campus intimately connected to nature and reflective of the culture of West Virginia.

Phase 1 of the campus master plan includes a 1,200 seat interim worship space conducive to a range of worship styles and settings. Flexibility drove the functional characteristics of the room, which will ultimately serve as a multipurpose fellowship hall for dramatic presentations, receptions, conferences, and dinners after the Phase 3 Sanctuary is constructed. Entry and way-finding is marked very strongly through the development of the lobby, or "Gathering Space" of Phase 1. The architectural detailing of this space, as well as its entrance canopy, works to establish the posture of the building's character and convey the ministry attitude of Bible Center. In addition to pre and post service fellowship functions, the Gathering Space is open throughout the week where people are encouraged to meet, relax, and have a cup of coffee. The two-story fireplace and scripture engraved mantle, along with the richly textured fabrics, stonework, slate, and wood trim presents a comfortable, iconic image connecting with users at a familiar and personal level. In developing great worship venues for all ages, the upper floor of the building houses six large adult classrooms, similarly detailed with many elevated views to the site. The lower level of Phase 1 is focused on the nursery and children's ministries and is anchored by the Children's Theatre, a heavily themed 180 seat worship space detailed with a woodland shed stage, indoor trees, and camp-style light strings. The finishes of the children's spaces are playful and vibrant while maintaining a connection to the earthy tones of the design concept.

**AWARDS:** AIA WV Merit Award for Achievement in Architecture

**SILLING**  
ARCHITECTS



▶ PORTFOLIO

# Utah State Capitol

Salt Lake City, UT



#### OWNER/CLIENT:

State of Utah

#### LOCATION:

Utah State Capitol Restoration in  
Salt Lake City, Utah

#### DESIGN TEAM:

Schooley Caldwell Associates, VCBO  
Architects, MUSA Architects

#### CONSTRUCTION COST:

Withheld

#### SERVICES:

- Conceptual & Planning
- Documentation
- Visualization
- Project Delivery
- Lighting Controls

#### AWARDS & RECOGNITION:

*International Association of Lighting  
Designers*

Award of Excellence

*Illumination Engineering Society*  
IIDA Award of Merit

*Architectural Lighting Magazine*  
Award of Merit

A true testament to the process of collaboration, the restoration of the Utah State Capitol would not be the success that it is had it not been for the team's dedicated efforts from the project's earliest planning stages. The Beaux Arts influenced building is home to one of the finest collections of early 20th century architectural lighting.

The exterior of the 300-foot-tall dome is softly, but precisely, lit from the rooftop corners with 400W metal halide floodlights. Additional layers of illumination highlight the lower portion of the dome's drum and portico of Corinthian capitals on the facade.

For the interior, luminaires were recreated using archival photographs as reference and working from the extant decorative castings. The team always gave thought to both the look of the fixture as well as the quality of light emanating from it. To address the vast array of luminaires and variable conditions, eight interchangeable, multi-lamp reflector assemblies were designed.

<https://rbldi.com/portfolio/utah-state-capitol/>



▶ PORTFOLIO

# Gateway Arch

St. Louis, MO



#### OWNER/CLIENT:

The Gateway Foundation, The National Park Service

#### LOCATION:

Jefferson National Expansion Memorial Gateway Arch in Saint Louis, Missouri

#### CONSTRUCTION COST:

Withheld

#### SERVICES:

- Conceptual & Planning
- Documentation
- Visualization
- Project Delivery

#### AWARDS & RECOGNITION:

*Illumination Engineering Society*  
IIDA Award of Excellence

*International Association of Lighting Designers*  
Award of Merit

Eero Saarinen's Gateway Arch had stood unlighted for over 35 years, when Reed Burkett Lighting Design was commissioned to provide a design that would successfully reveal and celebrate the world renowned monument. It was an extreme technical and artistic challenge. At the outset of the project, it was dictated by the National Park Service that this design illuminate the 205m high stainless steel monument with a lighting system that would be virtually invisible by day, responsive to the site's archaeological concerns, absent of reflected glare to surrounding highways, and sensitive to one of the nation's busiest bird migratory flyways.

Out of 3 ½ years of design formulation, presentations, computer analysis, and full scale on-site mockups, an innovative short-arc xenon lighting system was determined to be the best solution. Using precision reflector optics and managing individual luminaire light distributions with lenses and automated louvers, a beautifully sculpted form was realized. All equipment was concealed below grade in four light "pits" covered by a custom designed, narrow-profile grating material. A laser detecting atmospheric monitor was incorporated into the control systems to provide automatic shut-off of the lighting during weather conducive to disorienting light scatter.

<https://rbldi.com/portfolio/gateway-arch/>



▶ PORTFOLIO

# Columbus Museum of Art Margaret M. Walter Wing

Columbus, OH



**OWNER/CLIENT:**

Columbus Museum of Art

**LOCATION:**

Columbus Museum of Art Margaret M. Walter Wing in Columbus, Ohio

**DESIGN TEAM:**

DesignGroup Architects

**CONSTRUCTION COST:**

withheld

**SERVICES:**

- Conceptual & Planning
- Documentation
- Lighting Controls
- Project Delivery
- Visualization
- Sustainability

As a project to be completed in phases over the course of eight years, the renovation and expansion of the Columbus Museum of Art in Columbus, Ohio offered up some unique challenges to creating an articulate and adaptable lighting design.

The museum's 2015 expansion increased gallery space by nearly 200% and incorporated a new multi-purpose and event space of nearly 5,000 square feet. Lighting for the building's exterior is subdued, penetrating its copper skin with vertical light insets, while allowing enticing views into the main galleries through full height glazing at each end elevation. The new interior galleries and adjoining atrium gathering space provide welcome light for visitors while maintaining required function and flexibility for curated spaces.

<https://rbldi.com/portfolio/margaret-m-walter-wing/>



▶ PORTFOLIO

# Old Post Office and Customs House

St. Louis, MO



**OWNER/CLIENT:**

The DESCO Group

**LOCATION:**

United States Old Post Office and  
Customs House in St. Louis, Missouri

**DESIGN TEAM:**

Trivers Associates

**CONSTRUCTION COST:**

withheld

**SERVICES:**

- Conceptual & Planning
- Documentation
- Visualization
- Project Delivery

**AWARDS & RECOGNITION:**

*Illumination Engineering Society*  
IIDA Award of Merit

The Old Post Office and Customs House located in St. Louis, Missouri is on the National Register of Historic Places, and one of the most storied historic structures in the General Services Administration's inventory. The 1872 Second Empire style masterpiece is one of the finest of its kind still in existence. The building is occupied by a State Court of Appeals, offices for the State Attorney General, a local university branch campus, a library, and a community newspaper.

The restoration of the building was a meticulous undertaking. The GSA, Department of the Interior, FEMA's National Advisory Council and several historic watchdog agencies were all involved at some level in review or approval of design undertakings. The nearly 3-year design and approval process was comprehensive

<https://rblldi.com/portfolio/old-post-office-customs-house/>



▶ PORTFOLIO

# Renaissance Grand

St. Louis, MO



**OWNER/CLIENT:**

HRI Properties

**LOCATION:**

Renaissance Grand & Suites in  
Saint Louis, Missouri

**DESIGN TEAM:**

RTKL, ForrestPerkins

**CONSTRUCTION COST:**

withheld

**SERVICES:**

- Conceptual & Planning
- Documentation
- Project Delivery

Against all odds, a landmark hotel that defined excellence in St. Louis in 1917 as the Statler Hotel has triumphantly emerged from years in limbo as the Renaissance Grand Hotel. The restoration and expansion, designed by RTKL, architect, ForrestPerkins, interior designers, and Reed Burkett Lighting Design, lighting designer, not only provides modern luxury accommodations, including the original, 275 room hotel, a new 600-room tower and a new, 55,000 square-foot ballroom and meeting facility atop an adjacent parking structure. It also returns the lobby, atrium, and 22nd-floor ballroom to their original appearance.

Balancing the historic precedence with contemporary need, the lighting design helps integrate old and new spaces. Dramatic lighting embellishes the original atrium as the staging area for the hotels three-meal restaurant. Lighting even rejuvenates the historic facade, thanks to recreates sconces holding high-efficiency lamps and luminaires concealed in the original cornice.

<https://rbldi.com/portfolio/renaissance-grand/>

PORTFOLIO

# GSA Hipolito Federal Building

San Antonio, TX



**OWNER/CLIENT:**

U.S. General Services Administration

**LOCATION:**

GSA San Antonio Hipolito Federal Building in San Antonio, Texas

**DESIGN TEAM:**

Trivers Associates

**CONSTRUCTION COST:**

withheld

**SERVICES:**

- Conceptual & Planning
- Documentation
- Visualization
- Project Delivery
- Sustainability
- Lighting Controls

**AWARDS & RECOGNITION:**

*Illumination Engineering Society*  
IIDA Award of Merit

The Federal Building and Courthouse in San Antonio, Texas stands as a testament to depression-era austerity. Constructed adjacent to the Alamo, one of the Country's most revered landmarks, a selective restoration of this historic gem was completed in 2012. Built through the Federal Public Works Program of the 1930's, the project is a beautifully executed example of the Beaux-Arts classicism.

As part of this LEED signature renovation, lighting played a key role in revealing the building at night from Alamo Plaza. Interior period chandeliers were restored and modernized with current LED-based sustainable technologies. The historic lobbies were restored to their former grandeur, including the thoughtful illumination of its frescoes depicting San Antonio's place in Texas history. Carefully selected light source color spectrum profiles heightened the revelation of the sensitive materials.

<https://rbldi.com/portfolio/gsa-hipolito-federal-building/>



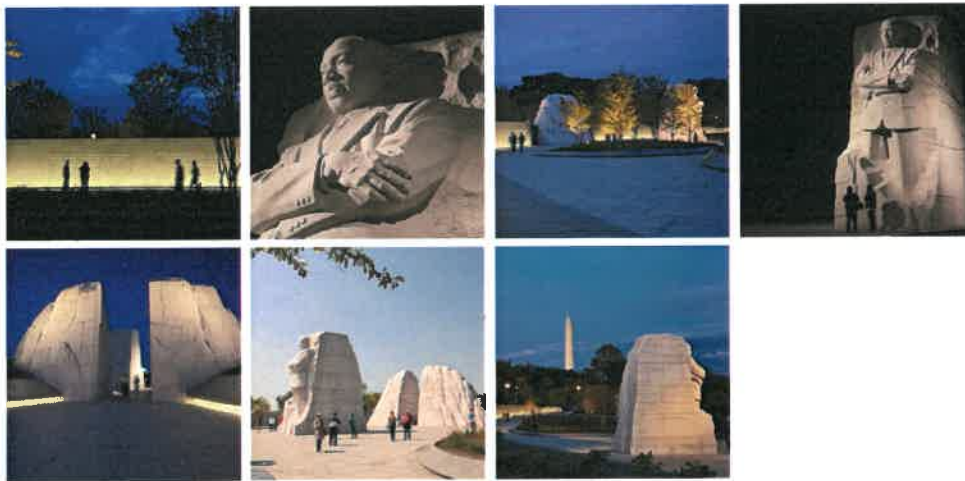


▶ PORTFOLIO

# The Martin Luther King, Jr. Memorial

Washington, D.C.

OUT OF THE MOUNTAIN OF DESPAIR  
A STONE OF HOPE



#### OWNER/CLIENT:

The Martin Luther King, Jr. Foundation

#### LOCATION:

The Martin Luther King, Jr. Memorial in Washington, D.C.

#### DESIGN TEAM:

ROMA Design Group, McKissack & McKissack, Lei Yixin, and in partnership with David Mintz

#### CONSTRUCTION COST:

withheld

#### SERVICES:

- Conceptual & Planning
- Documentation
- Visualization
- Project Delivery

#### AWARDS & RECOGNITION:

*Illumination Engineering Society*  
Award of Excellence

*International Association of Lighting Designers*  
Award of Merit

*Illumination Engineering Society*  
IESNY Lumen Award of Merit

*Architectural Lighting Magazine*  
Award of Merit

This inspiring project is a commemoration of the life and work of Dr. Martin Luther King, Jr. It is the creation of a memorial to honor his national and international contributions to world peace through non-violent social change. The memorial and park is located on the Tidal Basin in Washington, D.C., midpoint between the Jefferson and Lincoln Memorials. Reed Burkett Lighting Design collaborated with fellow lighting professional David Mintz on the creation of the nighttime illumination of the park site, its sculpture and inscription walls, and supporting visitor's center.

Lighting concerns focused on the visitor's personal experience, and on the inseparable nighttime relationship between the Martin Luther King, Jr. Memorial site and surrounding memorials visible nearby. Harmonizing brightness and contrast with respect to the nearby structures was key to the design's acceptance. The Memorial has been visited by millions since its opening in 2012.

<https://rbldi.com/portfolio/martin-luther-king-jr-memorial/>



▶ PORTFOLIO

# Chase Park Plaza

St. Louis, MO



**OWNER/CLIENT:**

Kingsdell

**LOCATION:**

The Private Residences at Chase Park Plaza in St. Louis, MO

**DESIGN TEAM:**

Klitzing Welsch Associates

**CONSTRUCTION COST:**

withheld

**SERVICES:**

- Conceptual & Planning
- Documentation
- Visualization
- Project Delivery

The imposing Chase Park Plaza rises to the west of Saint Louis' Forest Park, site of the 1904 World's Fair and Summer Olympic Games. For many years a hotel-only property, the late 1990's brought a redevelopment that transformed over half the livable square footage into luxury condominiums. Most recently, its ongoing makeovers have served as a catalyst for other residential tower development in the adjacent Central West End, a vibrant district with a European sensibility. The building owners believed that the 1929 Art Deco-style structure needed to have a greater nighttime presence on the Park and serve as a majestic, soaring entry into the neighborhoods over which it loomed.

As the selected lighting design team, Reed Burkett Lighting Design spent nearly a year documenting and studying the immense structure to determine how to best portray it in an elegant, sophisticated and stately fashion. Sensitivities of light encroachment into residential windows and terraces, sky glow, and a client desire to minimize energy use, limited design concept and implementation options. The resultant scheme exceeded all of the owner's wishes with its careful, yet astute use of light to celebrate the architecture's grandeur, while remaining good neighbor to both building occupants and the surrounding community.

<https://rbldi.com/portfolio/chase-park-plaza/>



▲ PORTFOLIO

# Bearden Park

Charlotte, NC



**OWNER/CLIENT:**

Mechlenburg County Park & Recreation Department

**LOCATION:**

Romare Bearden Park in Charlotte, North Carolina

**DESIGN TEAM:**

LandDesign

**CONSTRUCTION COST:**

\$11 million

**SERVICES:**

- Conceptual & Planning
- Documentation
- Visualization
- Lighting Controls
- Project Delivery

This 5.4 acre urban park is inspired by the work of internationally known artist and Charlotte native son Romare Bearden. The master plan and overall design evokes Bearden and his use of memory as triggers for inspirational experiences. This influence resulted in a diverse mix of urban park elements including a variety of discovery gardens, a courtyard shaded by articulated tree canopies, and sweeping pedestrian paths expressing both movement and reflection. A formalized event space dissolves into a large open green for both informal interaction and organized gatherings, highlighted by a play area with visitor engaging digital chimes and waterfalls.

Lighting reinforces orientation, way-finding, and the special moments that embrace the spirit of Romare Bearden while providing a safe, secure, and often playful environment. The use of LED technologies throughout much of the park addressed concerns of the City's long term operation and maintenance.

<http://rbldi.com/portfolio/bearden-park/>



▶ PORTFOLIO

# Citygarden

St. Louis, MO



**OWNER/CLIENT:**

Gateway Foundation

**LOCATION:**

Citygarden in St. Louis, Missouri

**DESIGN TEAM:**

Nelson Byrd Woltz Landscape Architects  
Studio Durham

**CONSTRUCTION COST:**

Withheld

**SERVICES:**

- Conceptual & Planning
- Documentation
- Visualization
- Project Delivery

**AWARDS & RECOGNITION:**

*Illumination Engineering Society*  
2010 IES Illumination Award of Merit

*Illumination Engineering Society*  
IESNY Lumen Award of Merit

*Urban Land Institute*  
2011 America's Outstanding Open Urban  
Space

Randy Burkett Lighting Design served as one of two lead lighting designers to have been involved in Citygarden, one of the most exciting urban projects in downtown St. Louis, Missouri in over forty years. It opened to critical and public raves in 2010, with lighting playing a particularly critical role in its nighttime success.

Framed by office towers, two formerly vacant blocks were transformed into a vibrant, yet sensitive blending of lush plantings and internationally renowned sculpture; with delights of water, stone, architecture, and design. Randy Burkett Lighting Design's role included the design of illumination for all of Citygarden's artwork and sculptural pieces, as well as the site's only public building, the Terrace Cafe.

Funded by The Gateway Foundation, the Citygarden project won the Urban Land Institute 2011 Urban Open Space Award for outstanding open urban space in America.

<http://rbldi.com/portfolio/citygarden/>



▶ PORTFOLIO

# Reston Station

Reston, VA



**OWNER/CLIENT:**

Comstock Reston Station Holdings LLC

**LOCATION:**

1900 Building at Reston Station in Reston, Virginia

**DESIGN TEAM:**

Jahn, GHT Limited

**CONSTRUCTION COST:**

withheld

**SERVICES:**

- Conceptual & Planning
- Documentation
- Visualization
- Project Delivery

Collaborating with the Jahn architectural office in Chicago, Reed Burkett Lighting Design has completed work on the 1900 Building at Reston Station in Virginia. The iconic 365,000 square foot tower has already taken its place as one of Fairfax County's boldest structures. It is a high-performance, LEED Silver certified development featuring premium office space, state-of-the-art amenities and a conference center. Simple and elegant, technologically advanced and environmentally responsible, the building elevates systems and materials to a level of art. The result is a singular building of clarity, integrity, and authenticity.

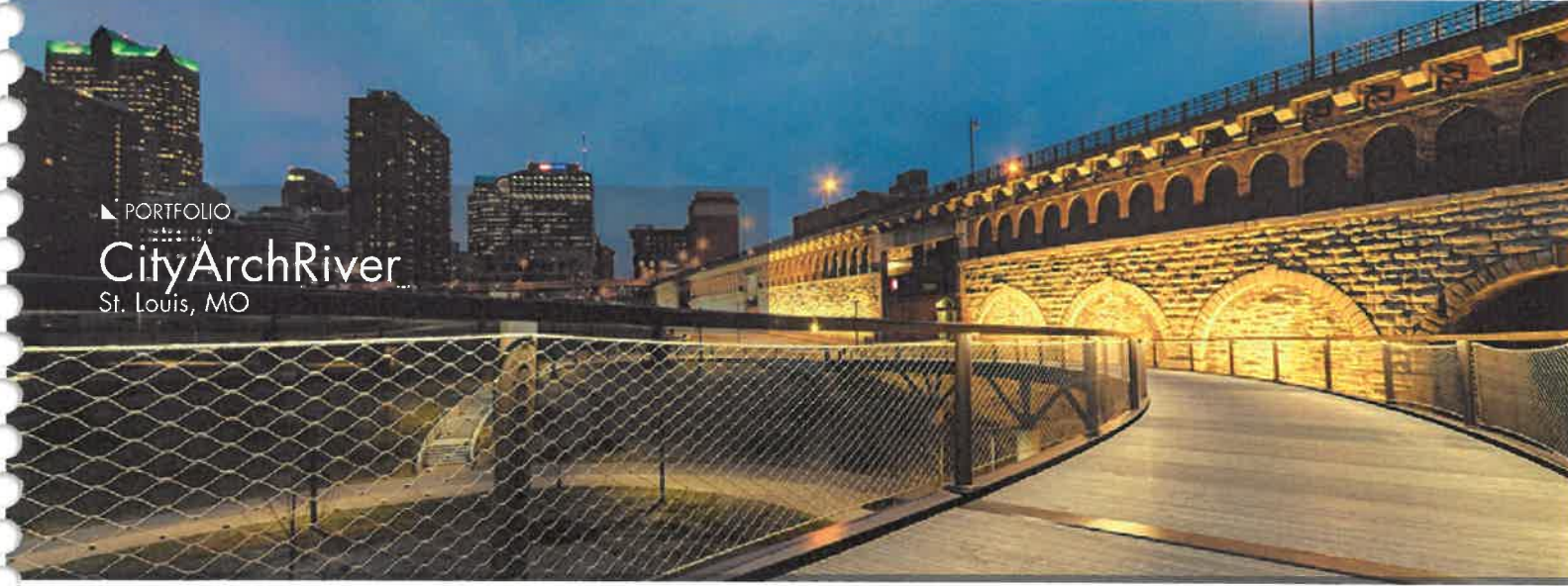
The illumination systems were meticulously integrated into the building's architectural and structural design in order to reinforce its unique visual character and materiality. It supports the project's lightness, transparency and clean lines, revealing its form with a sparing simplicity.

<https://rbldi.com/portfolio/reston-station/>

PORTFOLIO

# CityArchRiver

St. Louis, MO



**OWNER/CLIENT:**

CityArchRiver  
The National Park Service  
Michael Van Valkenburgh Associates

**LOCATION:**

Jefferson National Expansion Memorial  
(U.S. National Park), St. Louis, Missouri

**DESIGN TEAM:**

Michael Van Valkenburgh Associates

**CONSTRUCTION COST:**

\$300-400 million

**SERVICES:**

- Conceptual & Planning
- Documentation
- Visualization
- Lighting Controls
- Project Delivery

Designed by world-renowned landscape architecture firm Michael Van Valkenburgh Associates, CityArchRiver 2015 connects the Gateway Arch grounds with the East and West riverfronts, and the region beyond. Through the creation of new spaces for events and public education, expanded museum space, additional park acreage and bicycle trails, children's play areas, performance venues and a lively, invigorated riverfront, locals and tourists alike will find new opportunities to learn, linger and enjoy one of the world's most recognized icons.

Reed Burkett Lighting Design is designing illumination for the restoration of the Arch grounds, as well as the new North Gateway park, Old Courthouse Plaza, Luther Ely Smith Park and various green space connections to surrounding City neighborhoods.

<https://rbldi.com/in-the-news/project-focus-cityarchriver/>





▶ PORTFOLIO  
**Cortex**  
St. Louis, MO



**OWNER/CLIENT:**

Wexford Science + Technology

**LOCATION:**

Cortex Innovation Community in Saint Louis, Missouri

**DESIGN TEAM:**

SWT Design

**CONSTRUCTION COST:**

withheld

**SERVICES:**

- Conceptual & Planning
- Documentation
- Visualization
- Project Delivery

Located in the midtown sector of St. Louis, the Cortex Innovation Community has rapidly grown into a nexus for biotech companies and those that support them. Situated adjacent to one of the country's largest hospital complexes, the research neighborhood has served as principal catalyst for the area's urban renaissance including residential, street side retail, restaurants and other service focused development. With immediate proximity to both mass transit and bicycle-centric connections, the energetic area is set for even greater growth.

The community centerpiece is a three city block long park and half mile of streetscape that occupies the central corridor. It serves as gathering space, social hub, special events focus, and as a progressive symbol for the neighborhood's renaissance. Lighting design played an important role, both day and night, in establishing the desired visual vocabulary for the central core. Linear lighting elements integrated in walkways, terraces, and seating elements reveal landscape design elements while bollards and pedestrian poles provide a human scale and appropriate lighting levels. 30' tall poles provide anchors for a catenary system as well as floodlights and framing projectors to support larger community events.

<https://rblldi.com/portfolio/cortex/>



▶ PORTFOLIO

# Gateway Plaza

Richmond, VA



**OWNER/CLIENT:**

McQuire Woods

**LOCATION:**

Gateway Plaza in Richmond, Virginia

**DESIGN TEAM:**

Forum Studio, Mickett/Stackhouse Studios (artists)

**CONSTRUCTION COST:**

withheld

**SERVICES:**

- Conceptual & Planning
- Documentation
- Visualization
- Lighting Controls
- Sustainability
- Project Delivery

Overlooking the historic James River, Gateway Plaza serves the city of Richmond as a threshold to its primary business district. Upon its completion in 2015, the remarkable multi-tenant office tower quickly became one of the leading addresses in the city.

Day and night, lighting engages a beautifully sculpted plaza and terrace, helping to welcome passersby and provide a place to dwell for office workers. Trees in the plaza's tapered landscape planters, which mimic the topography of nearby islands formed in the James, are highlighted from below. Lighting also played an important part in creating an inviting daytime and nighttime presence for the off-street lobby. The floor to ceiling glass provides natural transparency, heightened at night by dramatic illumination of the lobby's features which include: "Clear Passage," a commissioned stainless steel art piece; and four mosaics activating the core's outward facing walls. Lighting recessed in the concrete ceiling and floor produce crisp revelation and shadow play. Gently flowing floor and pavement imbedded stainless steel ribbons evoke the movement of the nearby river, and are seen sparkling after dark.

<https://rbldi.com/portfolio/gateway-plaza/>

► PORTFOLIO

# Pulitzer Foundation for the Arts

St. Louis, MO



**OWNER/CLIENT:**

Pulitzer Foundation

**LOCATION:**

Pulitzer Foundation for the Arts in  
St. Louis, Missouri

**DESIGN TEAM:**

Tadao Ando, Christner

**CONSTRUCTION COST:**

withheld

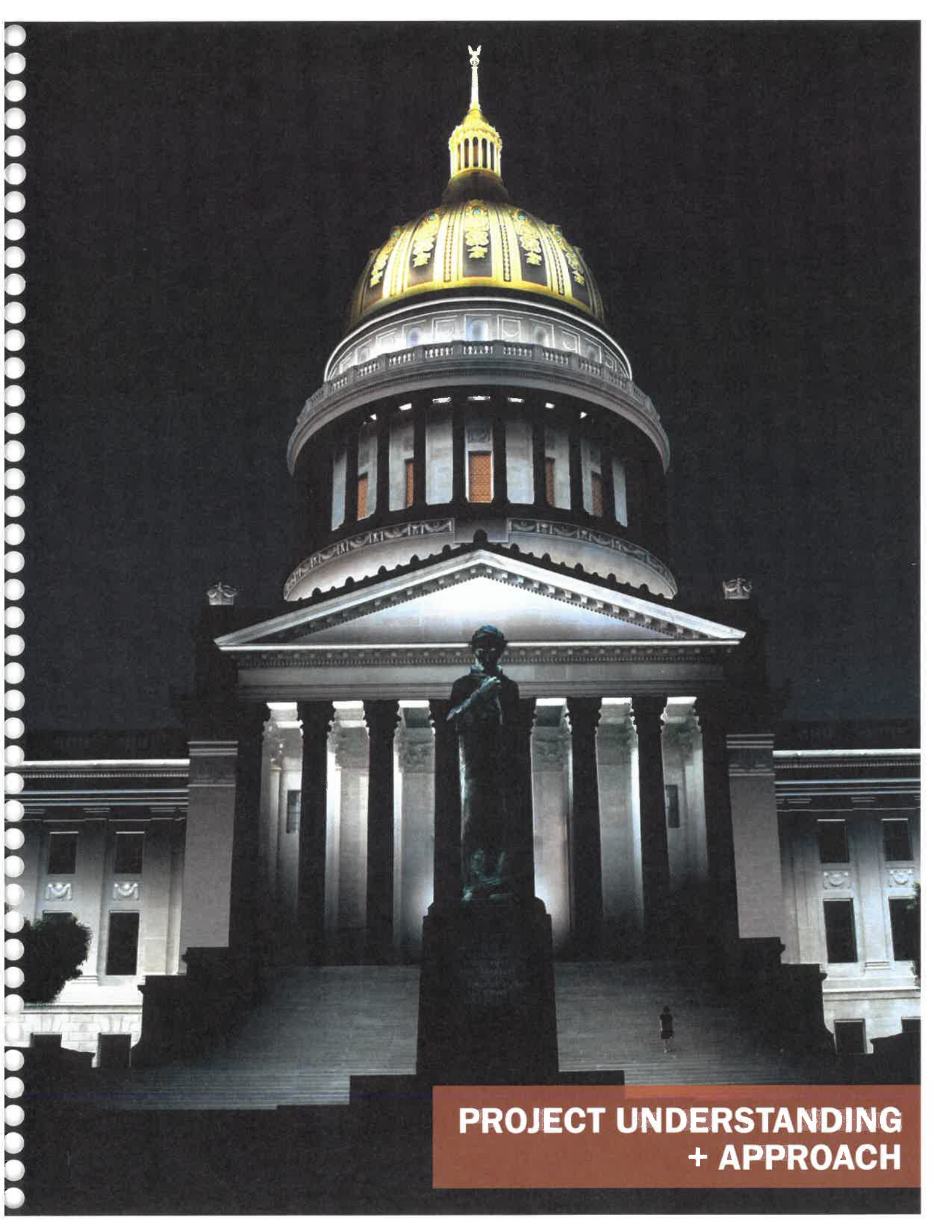
**SERVICES:**

- Conceptual & Planning
- Documentation
- Lighting Controls
- Project Delivery

Lighting the first U.S. public commission for Pritzker Laureate Tadao Ando, the three-floor, 43,000-square-foot Pulitzer Foundation for the Arts, in St. Louis, offered a rare design opportunity for Randy Burkett Lighting Design. Since the Foundation's major permanent works of art – Ellsworth Kelly's wall sculpture, Blue Black, and Richard Serra's torqued spiral sculpture, Joe – were commissioned specifically for the building, there were created at the same time as the architecture and lighting. This helped inspire a lighting design that treats architecture and art as a seamless environment. During the day, lighting entering through narrow skylights, clerestories, and low glass sidelights is filtered by inter-reflections off interior walls and a centrally located exterior reflecting pool. Electrical lighting in the daylighted galleries plans a minimal role before nightfall, when dimmable, LED and halogen-source wallwashing and accenting are required. By contrast, other galleries use flexible recessed track lighting, controlled by dimming and neutral density filters, while public spaces are lighted "quietly" with recessed PAR-lamp LED sources and spread lenses that softly bathe planes and provide visual cues for orientation. The visitors experience of art and architecture is made more memorable by a lighting design that celebrates it through simple, respectful revelation.

<https://rbldi.com/portfolio/pulitzer-foundation-arts/>





**PROJECT UNDERSTANDING  
+ APPROACH**



SILLING  
ARCHITECTS



 Scheeser  
Buckley  
Mayfield

The logo for Scheeser Buckley Mayfield (S:M) consists of three horizontal green bars of varying lengths stacked on top of each other. Below these bars, the letters 'S:M' are displayed in a bold, dark blue, sans-serif font. To the right of the 'S:M' logo, the firm's name 'Scheeser Buckley Mayfield' is written in a dark blue, sans-serif font, stacked in three lines.

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## PROJECT UNDERSTANDING + APPROACH

### Our Understanding of the Project

Silling and its team of lighting designers and consulting engineers performed a comprehensive analysis of the Capitol Campus Exterior Lighting and Electrical Infrastructure in 2011. As part of that assessment, we provided the following analysis and recommendations:

- Existing Lighting Conditions & Assessment - Building 1 Main Unit with East & West Wings, Site Circulation, Sculptures, Memorials, and Fountains, and Landscape & Specialty Areas
- Proposed Lighting Upgrades and Enhancements - Lighting for Proposed Building 1 Main Unit with East & West Wings, Proposed Site Circulation Lighting, Proposed Sculpture, Memorial and Fountain Lighting, Proposed Landscape & Specialty Area Lighting, and Proposed Site-wide Lighting Control Strategy
- Project Infrastructure - Existing & Proposed Electrical Infrastructure
- Preliminary Cost Opinion - Detailed Assessment and Final Summary and Recommendations
- Documentation of Existing Conditions

After issuing the report of our assessment findings and recommendations, Silling, Reed Burkett Lighting Design, and Scheeser Buckley Mayfield completed 90% Construction Documents for Building One.

The knowledge gained and work performed during this previous analysis and design services offers financial and timeline efficiencies that can be of benefit to the project and the State. Our approach process will:

- Build upon our extensive knowledge of the Capitol Campus site, building, and systems infrastructure gained from our 2011 analysis by verifying that our findings and recommendations comply with the most current versions of the Building Codes adopted by the State.
- Continue a highly collaborative relationship with the West Virginia General Services Division and other State agencies while reviewing the previous report and design scope in order to gain an understanding of the vision the State has for the project and its budget.
- Identify opportunities for improved operating costs, energy efficiency, and sustainable design strategies to achieve an optimal level of performance.





- Collaborate with the State Historic Preservation Office and Capitol Building Commission on any proposed exterior renovations, additions or other enhancements determined necessary based on our evaluation of the existing Campus and planning work sessions with GSD staff.
- Generate strategies for appropriate phasing of the Campus exterior lighting and related infrastructure work. Provide detailed conceptual renderings, plans, and third-party cost estimates.

Our assessment and planning process is inclusive and iterative, utilizing planning charrettes to obtain input from a wide cross section of stakeholders. We also solicit and value the contributions of facilities and maintenance staff, who already have a base of information about the building and complex that will prove beneficial to our team's planning efforts.

#### **Experience with National Register of Historic Places**

Both Silling and Reed Burkett Lighting Design have extensive experience in working on both public and private buildings that are included on the National Register. Early engagement with both the West Virginia State Historic Preservation Office (SHPO) and the Capitol Building Office (CBC) will be important to this Campus-wide project. Due to the potential direct visibility of some lighting fixtures required for façade illumination, careful coordination will be vital for integration or concealment. Where lighting instruments need to be attached directly to the building stone, thoughtful detailing will be essential to minimize impact on the historic fabric. The design of any exterior lighting system for buildings and sites must be sensitive to both the physical constraints of the ground and the site's history.

Reed Burkett Lighting Design has worked on a number of successful historic commissions that possessed similar exterior lighting challenges to those that can be found on this project. In addition to the 2011 effort on the West Virginia Capitol lighting design, other projects found on the Historic Register, including:

- Utah State Capitol Restoration (exterior and interior), Salt Lake City, Utah
- GSA Hipolito Federal Building (exterior and interior), San Antonio, TX
- Illinois State Capitol Restoration (exterior and interior), Springfield, IL
- Renaissance Grand & Suites Saint Louis, Missouri
- United States Old Post Office and Customs House, St. Louis, Missouri

Most recently, Reed Burkett Lighting Design has just completed the historic renovation of the Missouri State Capitol exterior site lighting, including the restoration design for historic lighting poles and sconces. Additional work is underway to improve building façade and dome illumination.

Scheeser Buckley Mayfield has an extensive understanding of the historic nature of this project. Establishing pathways



and mounting techniques for light fixtures that will satisfy the preservation of the historical integrity and the architectural mastery of the building is paramount in the electrical design. In-building wiring will be coordinated with all necessary parties so as not to disturb any historical attributes of the building. Many of the acceptable pathways for routing of conduits through the building have been determined. These will need to be verified early in the design process.

#### **Project Design & Execution**

The original design developed by this lighting and engineering team in 2011 will serve as a foundation for the final overall approach. More importantly, the vast experience we have gained in the development of construction documents in collaboration with WVGSD leadership through multiple initial phases of the project will continue to inform appropriate design solutions. Site investigation and development of construction drawings defining pathways for conduits in the rotunda internal cutter and over the dome colonnade soffits, as an example, set our team's understanding apart and becomes invaluable in executing this unique scope of the lighting package. Similarly, experience gained during the North Courtyard and West Lawn exterior lighting upgrades packages establish benchmarks for both performance and systems detailing. Detailed development of the construction documents will be at the forefront of the effort, while lighting and lighting control equipment technology must be the centerpiece of a comprehensive design development update to make certain the final solution is a lasting one, and performs seamlessly with work already installed.



The original lighting design work included a comprehensive nighttime lighting mock-up and technical demonstration to fine-tune the overall approach. It also allowed for detailed fine-tuning of lighting fixture locations, preliminary wattages and optical beam distributions. The ability to show the lighting effects to key decision-makers at the Capitol helped in making final, more confident decisions concerning illumination intensities, color of light (whiteness) and integration details. It may be advantageous to consider another mock-up for the project early in the restart for the design development phase. This specialized service could be provided for new stakeholder consensus or verification of technology enhancements.

The electrical design includes infrastructure upgrades to/ replacement of lighting panelboards to accommodate the additional lighting loads and the design of the lighting controls to operate the fixtures. The electrical systems will be brought to code during the replacements/upgrades. The lighting control system will be based upon a fully networked DALI control system and will employ only white light, except for the interior of the cupola, which will have LED color changing technologies. The DALI control system will allow the owner to have virtually unlimited control of the fixtures through the campus Trane Trace energy management system.

#### **Phased Design & Construction**

Silling Architects considers project phasing to be one of the critical factors in a successful project. We believe pre-

planning and team involvement are essential to this endeavor. Team members are very experienced in the phasing, scheduling and delivery of complex renovation projects. Our design team partners, Reed Burkett Lighting Design and Scheeser Buckley Mayfield, are also experienced in the design of complex renovation projects in occupied facilities. On each of these projects, Silling worked closely with the Owner and construction partners to effectively coordinate scheduled phasing of required renovations, system upgrades, and related building and site improvements.

Our team's work for the D. Stephen and Diane Walker Convocation Center at WVSU required both the addition of a new arena and convocation center and associated public entry and support spaces as well as the comprehensive renovation of the existing, historic Fleming Hall gymnasium and academic building - all the while continuing to house athletic department and coaching administrative offices and working around the athletic competition and training seasons of six varsity sports. Silling worked hand in hand with the University to develop a critical-dates calendar to be overlaid with the infrastructure upgrades and plans for new and renovated spaces. System upgrades, including complete replacement of electrical service and all HVAC systems, were carefully planned with realistic projections included for the contractor in the construction documents, establishing concrete milestone dates and delineating key spaces scheduled for construction, completion, and occupancy while allowing for construction planning of all the work.





Likewise, the John Marshall High School Additions and Renovations in Moundsville, WV included new secure entry and connector additions as well as comprehensive architectural renovations and complete replacement of electrical, HVAC, and communications systems of an existing 180,000 square feet educational facility. Funded within a complex 5-year fiscal cycle, the design and construction sequence were required to be completed with minimal interruptions to school operations and allow for continual use of the entire campus. Two new entry additions were phased to maintain constant accessibility for student, staff, and visitors. The main cafeteria and commons were designed to be renovated in two halves to allow for continuous dining opportunities throughout construction, and the library/media center renovations were phased near the completion of the project to allow for academic swing space while classrooms and labs were renovated on curriculum driven sequences. This \$36 million-dollar project was completed in 2017, with fast-track design and construction of foundations and structural packages as well as chiller plant replacement and piping infrastructure.

Our team of architects, lighting designers, and engineers will once again review the existing infrastructure to understand any changes since 2011, the needed upgrades, and plan the necessary improvements. As we do so we will evaluate the feasibility of the upgrades and will take into consideration the least disruptive methods of construction and phasing. Our planning will be shared with the General Services Division for their comment and agreement, developing options to maximize cost and efficiency while minimizing disruption to the operations. Continued phasing of the project will be incorporated in the project design to maintain uninterrupted service to the building and its occupants and minimize interruptions. Phasing will be carefully coordinated among the architect, lighting designer, engineering team, and all of the on-site parties affected by the installation, e.g. protective services, landscaping/grounds, and the business section for special events.

Phased renovation projects in occupied facilities are always a challenge for the design team and general contractor, as well as the Owner/Occupant. It is only through open communication, mutual trust and respect that these complex projects are delivered. Issues will arise, conflicts will be addressed and problems will be solved. Our team is up to the challenge and will provide the experienced and dedicated personnel necessary to successfully deliver this complex, challenging and critical project for the General Services Division.

### Technology and Energy Conservation

The exterior lighting for this project will involve the full upgrade of both lighting and lighting control technologies. It is likely that all light sources will be solid state LED, affording the most efficient realization of the design goals. The precise optical control provided by LED sources also permits the most effective use of the light generated, further maximizing system efficacy. Controls will also allow for careful consideration of issues involving light scatter, such as light trespass and sky glow, as well as managing any possible impacts on indigenous and migrating birds.



Our team will continue to incorporate the latest technology and energy efficiency into this project. LED lighting technologies continue to advance and will further enhance the realization of the building and site lighting design. LED lighting technology improvements include:

- LED chip efficiencies have increased by over 100%.
- LED source life has increased substantially
- Color dependability of LED chips throughout their operational life has been largely stabilized, now to a point that they are superior to virtually all of the older, legacy lighting sources - high pressure sodium, metal halide, etc.
- Optical control of LED sources has undergone manifold improvements due to the introduction of nano-optic lensing and other light beam management techniques.
- Off-peak dimming and power controls for LED sources are increasingly affordable and can demonstrate cost-effective returns on investment.
- Current LED lighting equipment exhibits more modularity to permit changeout of components rather than the entire luminaire (lighting fixture).
- Lighting control related to site poles and widely scattered site floodlights is considerably more reliable, with several new protocols available depending on the specific needs of the project.

### Quality Control Program

Ours is a proven method, evidenced by repeat client commissions, budget and schedule conforming design







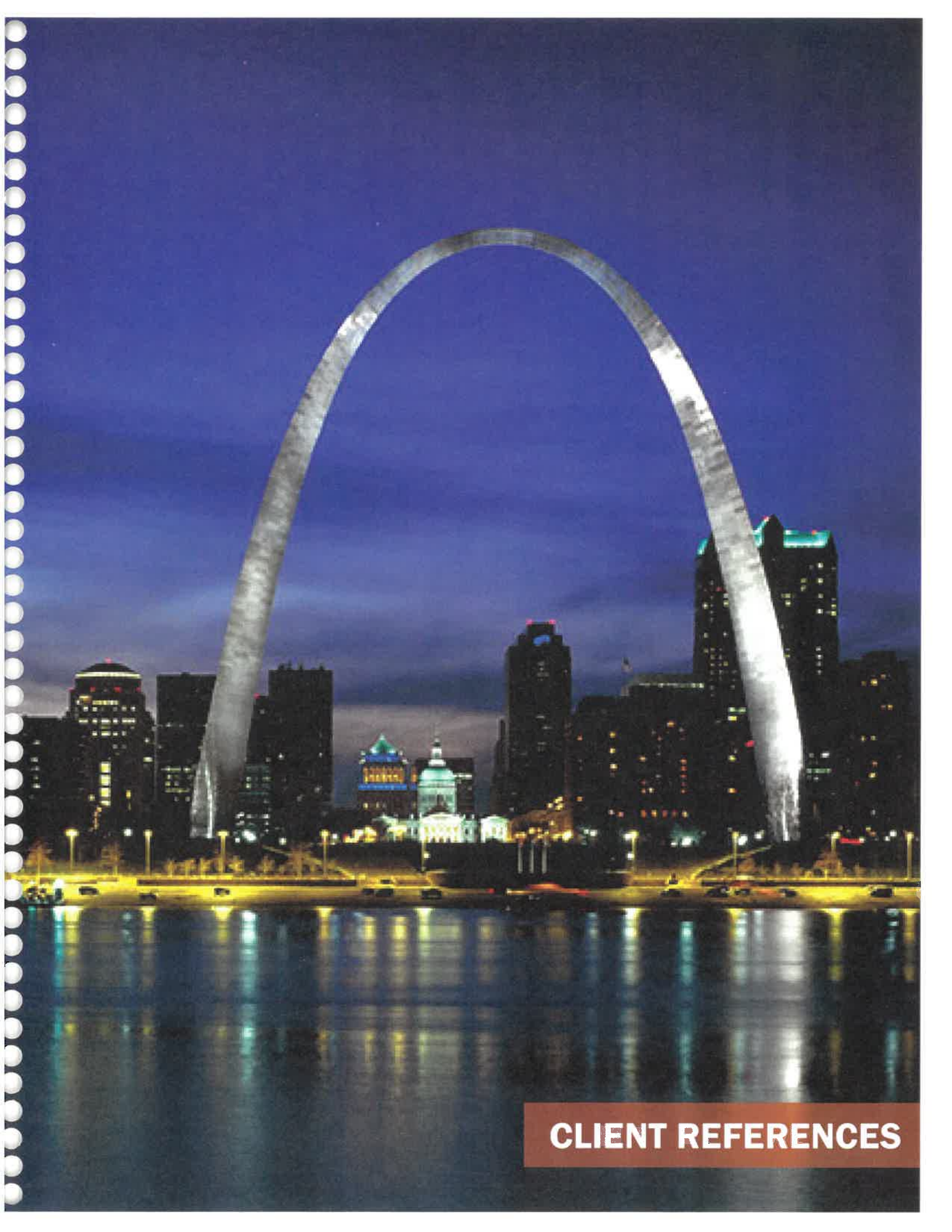
documentation, and a history devoid of claims. We understand that QA/QC is a task for the most experienced personnel and requires the devotion of time. This means that it is an expensive commitment, and one that we will not shirk. We recognize that Quality Assurance and Control is perhaps the most critical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

Quality Assurance and Control is a regimented process at Silling Architects and we believe our long and successful history, and more importantly, our extensive list of repeat clients, speak to our success as a firm rooted in this task. We dedicate a firm principal to each of the projects put before us, separate from the Project Manager, to endeavor to control quality in both the design and document production phase - not only for our architectural product but for the coordinated work of our engineering consultants as well. Fundamentally, this requires time spent by the most experienced architects in the firm, not focused on the minutia of daily project management, to provide critical peer review and analytical critique of the work product. However, while most design firms would see this as an internal process directed only at the various design disciplines and documents, we believe we have been most successful when this concept is extended to include quality assurance and control aimed at our client's goals and expectations.

#### **Budget/Bid Performance**

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

We have found that experience inside the state is critical to the budget success of the project, and the familiarity with the nuances of the local construction marketplace cannot be overstated. Our experience over the past decade with virtually every building type imaginable in West Virginia has created a database that far exceeds the knowledge base of our closest competitors, and we are certain that this experience would directly inform the development of every one of your projects.



**CLIENT REFERENCES**



SILLING  
ARCHITECTS



 Scheeser  
Buckley  
Mayfield





## Client References

### SILLING ARCHITECTS

#### **KYLE BILAFER**

Area Manager of Operations  
Cabarrus County, North Carolina  
Concord, North Carolina  
Phone: 1.704.920.3201  
Email: [KDBilafer@cabarruscounty.us](mailto:KDBilafer@cabarruscounty.us)

#### **CINDY WHETSELL**

County Administrator  
Lewis County Commission  
Weston, West Virginia  
Phone: 1.304.269.8200  
Email: [cindywhetsell@yahoo.com](mailto:cindywhetsell@yahoo.com)

#### **DAVE TOLLIVER**

County Commissioner  
Raleigh County Commission  
Beckley, West Virginia  
Phone: 1.304.255.9100  
Email: [raicom@raleighcounty.com](mailto:raicom@raleighcounty.com)

#### **BETSY FROHNAPFEL**

County Administrator  
Marshall County Commission  
Moundsville, West Virginia  
Phone: 1.304.845.0482  
Email: [bfrohnafel@marshallcountywv.org](mailto:bfrohnafel@marshallcountywv.org)

#### **JON MELVIN**

Director of Facilities  
Delaware County Board of Commissioners  
Delaware, Ohio  
Phone: 1.740.833.2100  
Email: [jmelvin@co.delaware.oh.us](mailto:jmelvin@co.delaware.oh.us)





## REED BURKETT LIGHTING DESIGN

### **CHRIS BENNETT, AIA**

Senior Project Leader  
Architect, Studio Gang  
1520 W Division Street  
Chicago, IL 60642  
Phone: 1.773.384.1212  
Email: cbennett@studiogang.com

### **JENNIFER SWEET**

Executive Administrator  
Gateway Foundation  
720 Olive Street, Suite 1977  
St. Louis, Missouri 63101  
Phone: 1.314.241.3337  
Email: jen.sweet@gateway-foundation.org

### **STEPHANIE PANKIEWICZ, ASLA, RSA**

Partner, LandDesign  
200 South Peyton Street  
Alexandria, VA 22314  
Phone: 1.703.549.7784  
Email: SPANKIEWICZ@landdesign.com

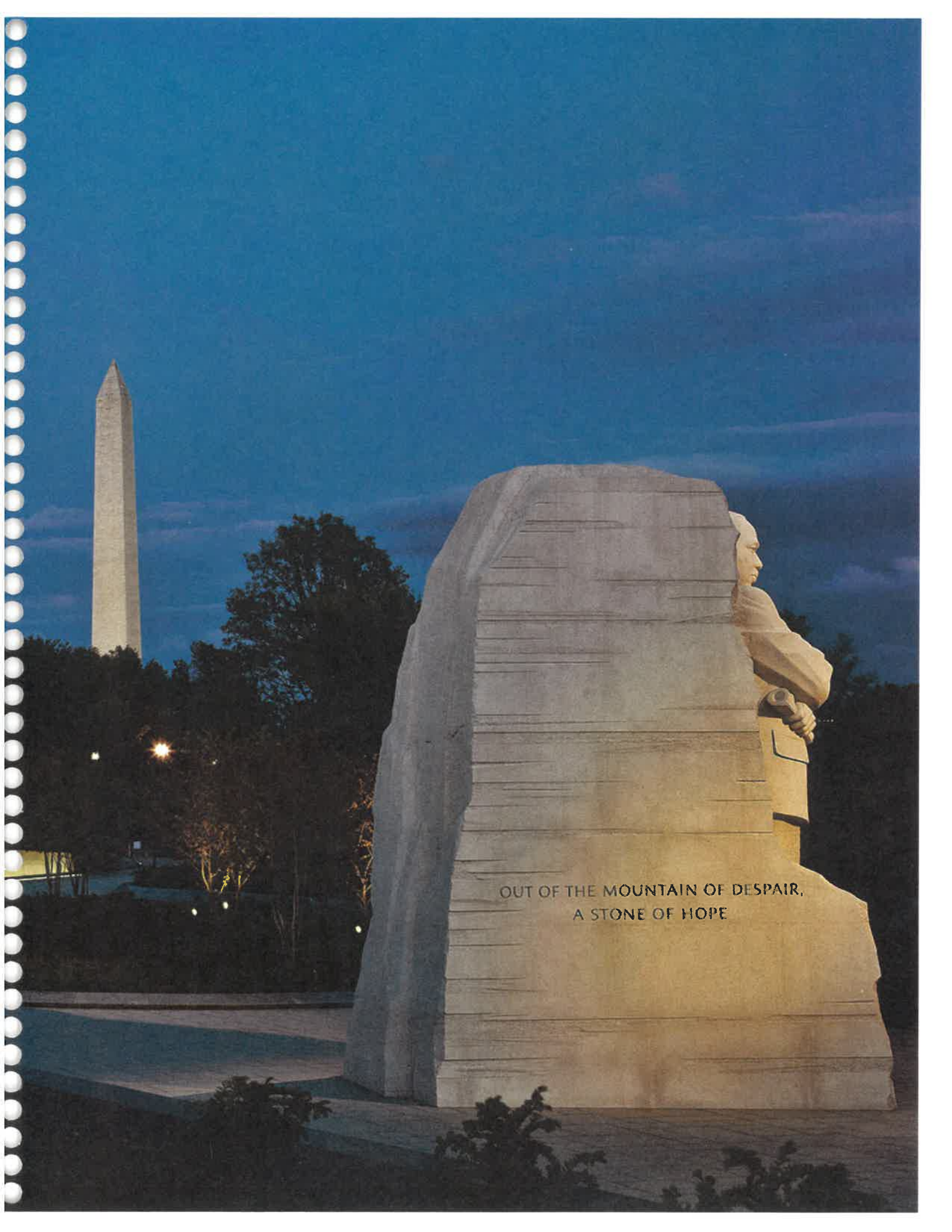
### **PHILIP CASTILLO, FAIA**

Executive Vice President, Jahn  
35 East Wacker Drive  
Chicago, Illinois 60601  
Phone: 1.312.427.7300  
Email: pcastillo@jahn-us.com

### **ROD BOUC**

Deputy Director-Operations  
Columbus Museum of Art  
480 East Broad Street  
Columbus, Ohio 43215  
Phone: 1.314.221.8946  
Email: Rod.Bouc@cmaohio.org





OUT OF THE MOUNTAIN OF DESPAIR,  
A STONE OF HOPE





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**SBM** Scheeser  
Buckley  
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