



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

# Request for Quotation

RFQ NUMBER  
**GSD106430**

PAGE  
**1**

ADDRESS CORRESPONDENCE TO ATTENTION OF  
**KRISTA FERRELL  
 304-558-2596**

RFQ RECORD

\*709060537  
 McKinley & Associates  
 The Maxwell Center / Suite 100  
 32 Twentieth Street  
 Wheeling, WV 26003

RFQ RECORD

DEPARTMENT OF ADMINISTRATION  
 GENERAL SERVICES  
 BUILDING 1 ROOM MB60  
 1900 KANAWHA BOULEVARD, EAST  
 CHARLESTON, WV  
 25305-0123 304-558-2317

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
08/08/2010				

BID OPENING DATE: **09/08/2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-07		
<p><b>A&amp;E SERVICES: CAPITOL COMPLEX EXTERIOR LIGHTING</b></p> <p><b>EXPRESSION OF INTEREST (EOI)</b></p> <p>THE WEST VIRGINIA STATE PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF GENERAL SERVICES, IS SOLICITING BIDS TO PROVIDE THE AGENCY WITH ARCHITECTURAL AND ENGINEERING SERVICES TO EVALUATE EXTERIOR ELECTRICAL LIGHTING CONDITIONS, DESIGN REPAIRS AND UPGRADES, AND ADMINISTER THE RESULTING CONSTRUCTION PROJECTS RESULTING FROM THIS EXPRESSION OF INTEREST PER THE ATTACHED SPECIFICATIONS.</p> <p>TECHNICAL QUESTIONS CONCERNING THIS SOLICITATION MUST BE SUBMITTED IN WRITING TO KRISTA FERRELL IN THE WEST VIRGINIA STATE PURCHASING DIVISION VIA MAIL AT THE ADDRESS SHOWN IN THE BODY OF THIS RFQ, VIA FAX AT 304-558-4115, OR VIA EMAIL AT KRISTA.S.FERRELL@WV.GOV. DEADLINE FOR ALL TECHNICAL QUESTIONS IS 08/24/2010 AT THE CLOSE OF BUSINESS. ANY TECHNICAL QUESTIONS RECEIVED WILL BE ANSWERED BY FORMAL ADDENDUM TO BE ISSUED BY THE PURCHASING DIVISION AFTER THE DEADLINE HAS LAPSED.</p> <p>EXHIBIT 10</p> <p>REQUISITION NO.: GSD106430</p> <p>ADDENDUM ACKNOWLEDGEMENT</p>						

RECEIVED

2010 SEP -8 A 10:14

PURCHASING DIVISION  
 STATE OF WV

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *[Signature]* TELEPHONE: (304) 233-0140 DATE: 9/7/10

TITLE: Business Development FEIN: 55-0696478 ADDRESS CHANGES TO BE NOTED ABOVE

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



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I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED  
 ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY  
 PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.

ADDENDUM NO.'S:

- NO. 1 ..... ✓
- NO. 2 .....
- NO. 3 .....
- NO. 4 .....
- NO. 5 .....

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

VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL  
 REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY  
 ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES  
 AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE  
 INFORMATION ISSUED IN WRITING AND ADDED TO THE  
 SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.

*Krista Ferrell*  
 .....  
 SIGNATURE  
 .....  
 McKinley & Associates  
 .....  
 COMPANY  
 .....  
 September 7, 2010  
 .....  
 DATE

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
SIGNATURE <i>Krista Ferrell</i>	TELEPHONE (304) 233-0140	DATE 9/7/10
TITLE Business Development	FEIN 55-0696478	ADDRESS CHANGES TO BE NOTED ABOVE

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LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE EOI.</p> <p>REV. 09/21/2009</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.</p> <p style="text-align: center;">NOTICE</p> <p>A SIGNED EOI MUST BE SUBMITTED TO:</p> <p style="text-align: center;">DEPARTMENT OF ADMINISTRATION          PURCHASING DIVISION          BUILDING 15          2019 WASHINGTON STREET, EAST          CHARLESTON, WV 25305-0130</p> <p>THE EOI SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE EOI MAY NOT BE CONSIDERED:</p> <p>SEALED EOI</p> <p>BUYER: KRISTA FERRELL-FILE 21</p> <p>EOI. NO.: GSD106430</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Krista Ferrell</i>	TELEPHONE (304) 233-0140	DATE 9/7/10
TITLE Business Development	FEIN 55-0696478	ADDRESS CHANGES TO BE NOTED ABOVE

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DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
08/08/2010				

BID OPENING DATE: **09/08/2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
EOI OPENING DATE:			09/08/2010			
EOI OPENING TIME:			1:30 PM			
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR EOI: (304) 233-4613						
-----						
CONTACT PERSON (PLEASE PRINT CLEARLY): Ernest Dellatorre						
-----						
***** THIS IS THE END OF RFQ GSD106430 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>Ernest Dellatorre</i>	TELEPHONE (304) 233-0140	DATE 9/7/10
TITLE Business Development	FEIN 55-0696478	ADDRESS CHANGES TO BE NOTED ABOVE

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



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 304-558-2596**

\*709060537

McKinley & Associates  
 The Maxwell Center / Suite 100  
 32 Twentieth Street  
 Wheeling, WV 26003

DEPARTMENT OF ADMINISTRATION

DEPARTMENT OF ADMINISTRATION  
 GENERAL SERVICES  
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 25305-0123 304-558-2317

DATE AWARDED	TERMS OF SALE	SHIP VIA	FOA	FREIGHT TERMS	
09/03/2010					
BID OPENING DATE: 09/08/2010		BID OPENING TIME: 01:30PM			
LINE	QUANTITY	UOM	ITEM NUMBER	UNIT PRICE	AMOUNT
			ADDENDUM NO. 1		
	THIS ADDENDUM IS ISSUED TO ANSWER ALL TECHNICAL QUESTIONS SUBMITTED IN ACCORDANCE WITH THE PROVISIONS OF THE ORIGINAL EXPRESSION OF INTEREST (GSD106430)				
	EOI OPENING DATE REMAINS: 09/08/2010				
	EOI OPENING TIME REMAINS: 1:30 PM				
	***** ADDENDEM NO. 1 *****				
0001	1	LS	906-07		
	PAGE SERVICES: CAPITOL COMPLEX EXTERIOR LIGHTING				
	***** THIS IS THE END OF RFQ GSD106430 ***** TOTAL:				

SIGNATURE *Krista Ferrell* TELEPHONE (304) 233-0140 DATE 9/7/10

TITLE Business Development PRN# 55-0696478 ADDRESS CHANGES TO BE NOTED ABOVE

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Technical Questions  
**Capitol Campus Exterior Lighting Project**  
EOI# GSD 106430

1. What is the project time frame?

Answer #1: At this time the estimated time frame is to begin the project as soon as possible. We have estimated a 6 month design period with bid packages to follow soon after. Part of the project is budgeted to be completed with partial ARRA funding. The State would like to expend these ARRA funds as soon as possible.

2. What is the project target budget for construction?

Answer #2: The State does not reveal budget information during the bid process.

3. Please confirm that a fee proposal is not being requested at this time. It is our understanding that you are looking for a proposal that describes concepts/project approach, firm/team qualifications, proposed team organization, and team experience relevant to the project.

Answer #3: A fee proposal is expressly prohibited in the response to this EOI.

4. Can you provide architectural plans, building elevations and/or sections to illustrate the dimensions and configuration of the building, and the areas of the building that you would like to highlight?

Answer #4: Currently the entire building is lit. A reference floor plan is attached.

5. Can you provide a site plan to illustrate the scope areas described as the Main Unit, West Wing, East Wing and North and South Plazas as described in paragraph 3.1?

Answer #5: An overall site plan is attached

6. Can you provide lighting plans and specifications that describe the existing lighting? If not, could you provide summary description of the following:

1. Quantity and mounting location of existing fixtures
2. Fixture types, lamp sources and wattages
3. Approximate date when lighting fixtures were installed

Answer #6: At this time we are more interested in the potential firms and their qualifications than providing information on existing lighting. In general, original Capitol lighting was installed when the Capitol was constructed in 1925 to 1932 and did not include floodlighting. The present floodlighting was installed in the 1970's. Modifications have been made since. The intent is to keep the building floodlit, but also re-introduce historic lighting. Note that some of the original Capitol fixtures are currently being restored or reproduced as part of the exterior cleaning/repair projects to bring the building back to its original appearance. This project will upgrade other aspects of the lighting.

7. Can you provide photos of the existing night-time lighting effect?

Answer #7: No, not at this time.

8. What are the specific goals for the relighting project? Paragraph 2.2 describes "uneven lighting" and "inefficient luminaires"

1. What visual enhancements are desired?
2. Are there particular aspects of the building and dome that you would like to emphasize?
3. Is there a specific energy saving target?

Answer #8: The dome is a major landmark in the Charleston area and we want this to remain a prominent feature at night.

9. What are the hours of operation for the existing lights?

Answer #9: Late dusk (on after dark) to dawn.

10. Please confirm that the scope of the electrical system analysis and design relates strictly to the electrical system feeding the existing lighting. If not, please elaborate on the extent of the electrical system to be analyzed.

Answer #10: Work on the West Virginia State Capitol building dates to the mid-1920s. Since the building was completed, there have been numerous modifications to the buildings' electrical systems. Besides the main building lighting, the scope of this project includes campus lighting, some of which is fed from other campus buildings.

11. Do you suspect that the existing electrical system requires replacement?

Answer #11: The overall electrical systems are being upgraded through other projects. The purpose of this project is to create an up-to-date workable lighting system for the campus. Whatever modifications are required could be within the scope of this project.

12. Paragraph 3.1 asks that the project meet LEED guidelines. Are you seeking LEED certification or basically asking for a "sustainable design approach"?

Answer #12: Sustainable design approach – The extent of the project does not qualify for LEED, however we are attempting LEED status for other State projects and we want this project to be compatible or assist other projects with LEED compliance.

13. What is the desired timetable for completing the work?

(See Answer #1)

- 14. What is the project budget? For construction? For design?  
(See Answer #2)

15. To whom will the selected design team report? Will there be one point of contact who will represent the client during the design process? Will there be a requirement for "stakeholder" presentations and meetings? And if so, who would be the "stakeholders"? Are there other government agencies who must review and approve the design (e.g. an historic commission, art commission, etc?)

Answer #15: The design team will report to the authorized project manager with the General Services Division. There will be other stakeholders who will be brought into the design/approval process at appropriate points primarily for their input. The project must also be approved by the Capitol Building Commission prior to implementation.

16. How will the work be constructed? Will the project be put out to bid or negotiated with a pre-qualified contractor or in-house forces?

Answer #16: We anticipate the construction portion of the project will be bid. Part of the work is already budgeted to use ARRA funding.

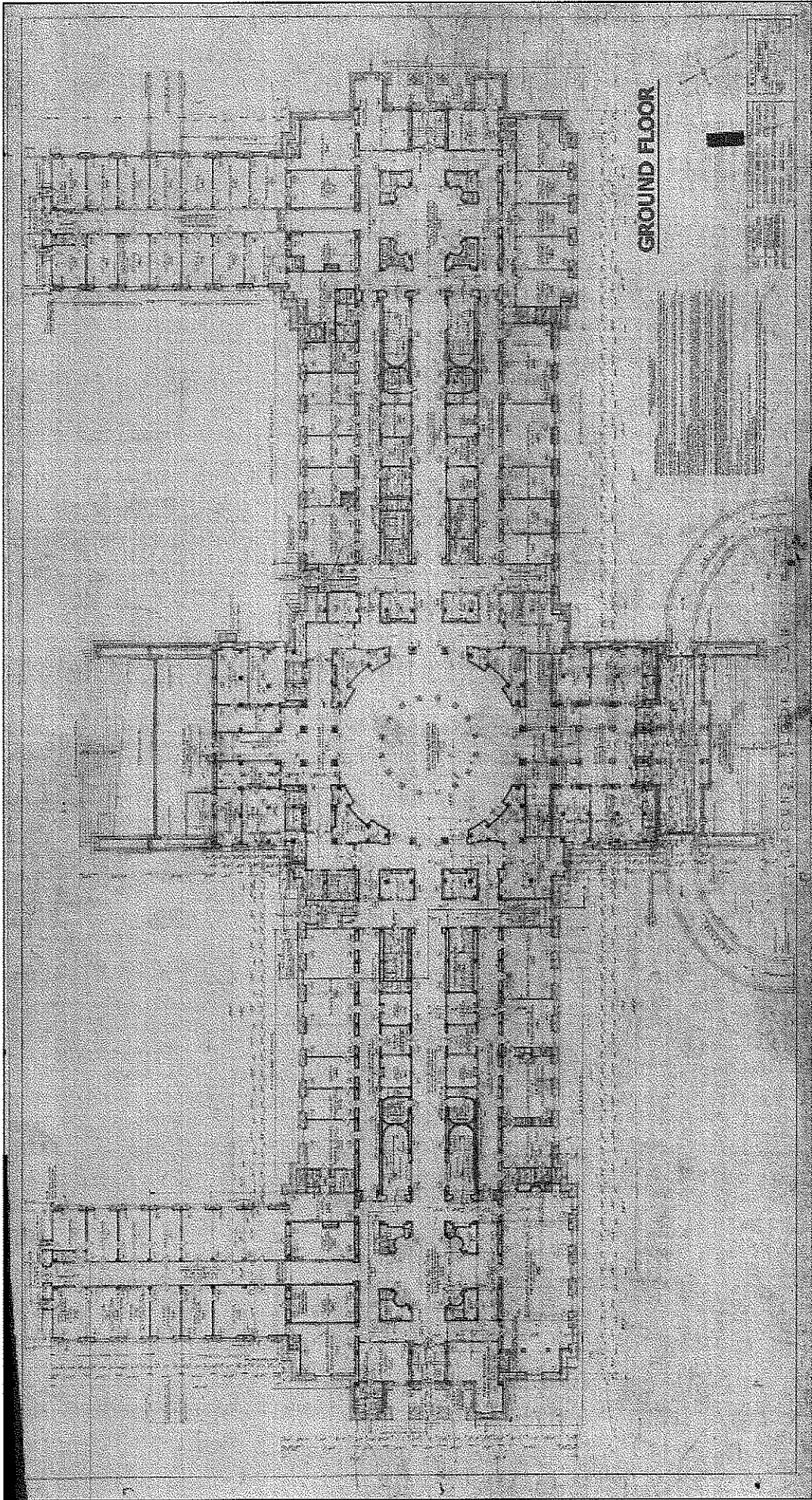
17. What other firms have received the RFQ for this project?

Answer #17: This Expression of Interest is publicly advertised. We are unable to answer this question.

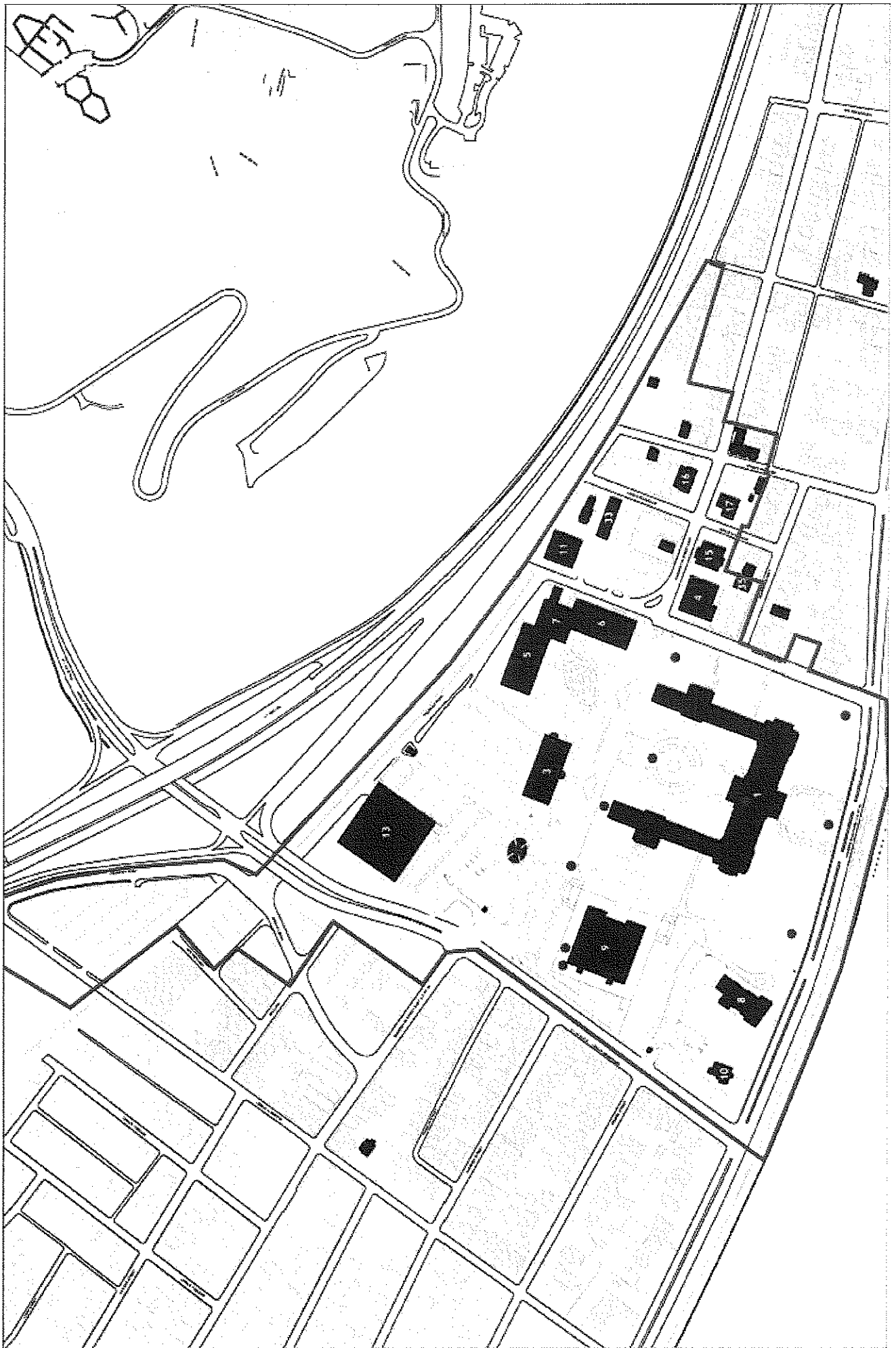
18. Question: Extent of Site and Lighting Scope: Using Greenbrier Street on the west, California Avenue on the east, Kanawha Boulevard on the south, and Piedmont Road on the north, are the existing-conditions-assessment and redesign efforts to include lighting of the street-adjacent "capitol-side" sidewalks or any street lighting?

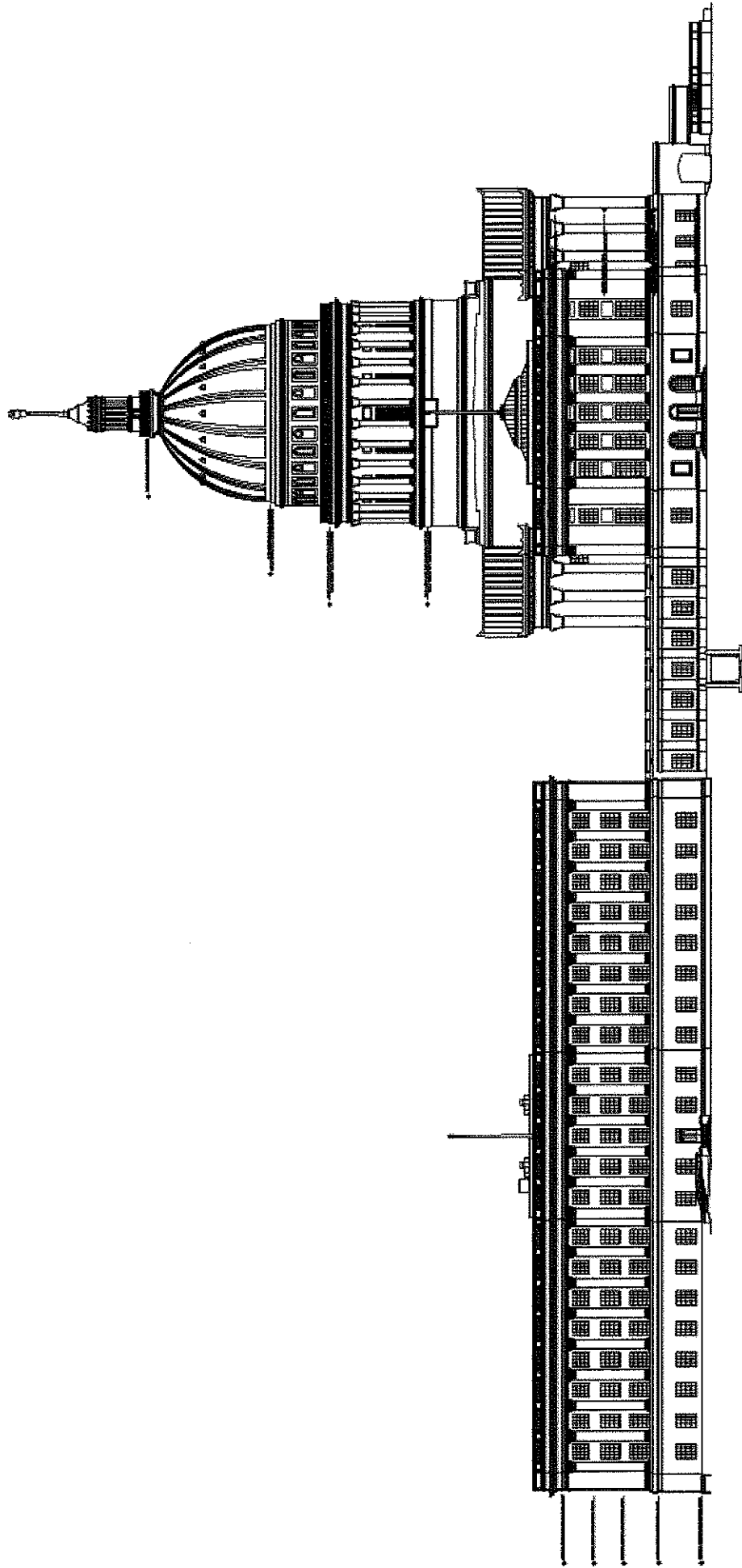
Answer #18: For the purpose of this EOI assume the above streets are included within the project scope.





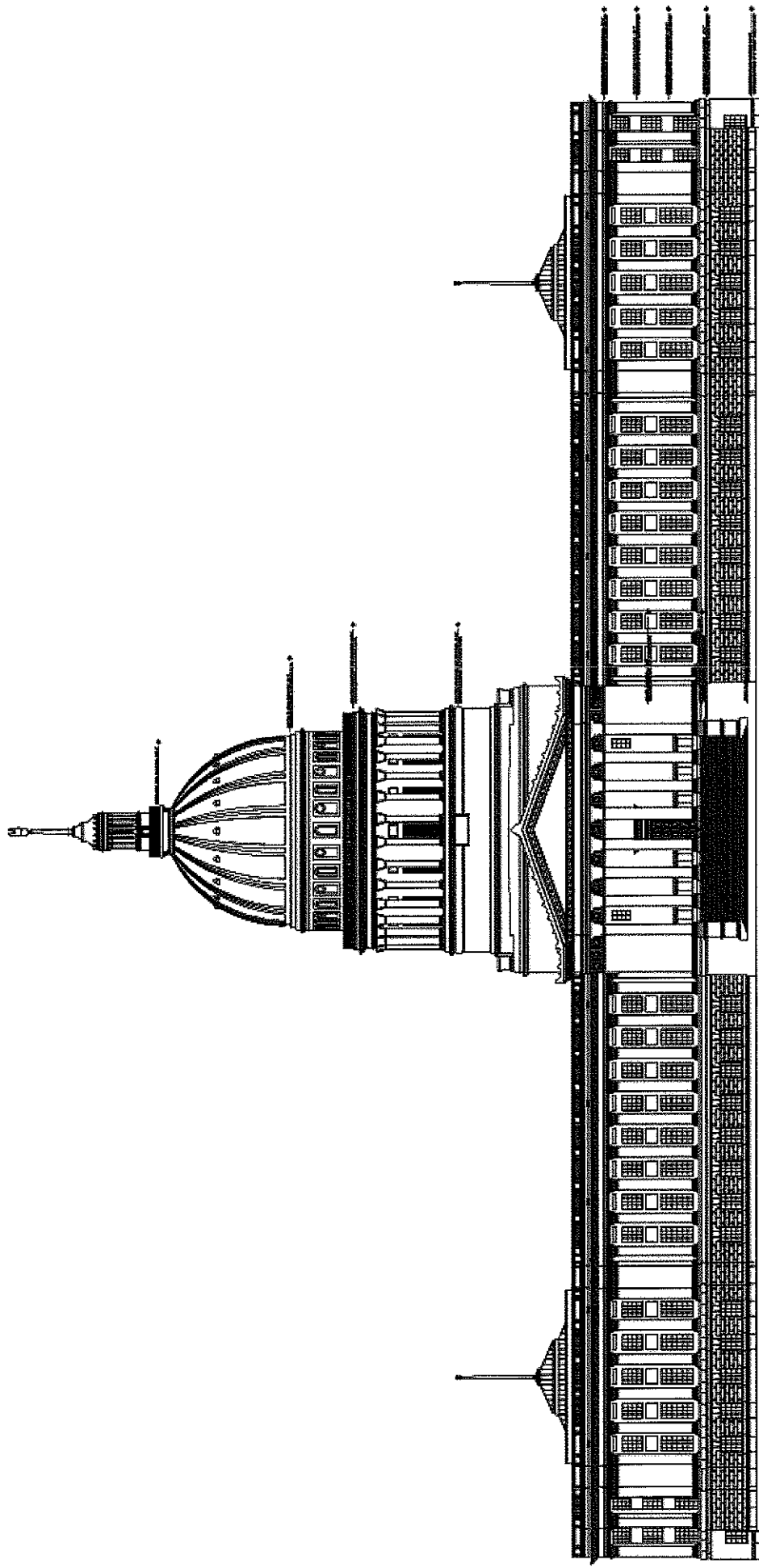
**GROUND FLOOR**



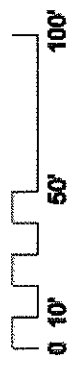


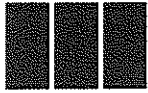
WEST ELEVATION





SOUTH ELEVATION





September 7, 2010

Ms. Krista Ferrell  
Purchasing Division  
Department of Administration  
Building 15  
2019 Washington Street, East  
Charleston, WV 25305-0130

Re: GSD106430 – A&E Services: Capitol Complex Exterior Lighting

Dear Ms. Ferrell and Members of the Selection Committee;

McKinley & Associates, in association with Available Light, is honored to submit our expression of interest for architectural and engineering evaluation and redesign of the exterior lighting at the West Virginia Capitol Campus, including the Main Capitol Building, East Wing, West Wing, the North and South Plazas and other areas of the Campus.

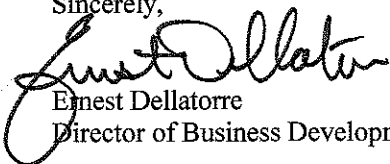
McKinley & Associates has been providing design services since 1981. With offices in Charleston WV, Wheeling WV, and Washington PA, McKinley & Associates supports a professional staff of 40+ that includes architects, mechanical, electrical, plumbing/life safety engineers (MEP engineers) as well as a certified interior design department. Our architects, engineers and technicians are all “In-House”, creating optimum communication and collaboration. This results in outstanding service to our clients, with a comprehensive view of the entire scope of work to be completed. Our caring and detailed design team will walk you through your project to completion.

For one related McKinley & Associates project, the relighting of the historic Wheeling Suspension Bridge, we won a 2002 International Illumination Design Award from the IESNA (Illuminating Engineering Society of North America). We also won a Best Outdoor Lighting Design in the Western Pennsylvania Area Award from the Electric League of Western Pennsylvania.

We understand the importance and significance of the historic Capitol Building, with the grandeur of its gilded dome as well as being designed by the prominent architect Cass Gilbert, and that is why we are bringing in this internationally recognized lighting consultant. Available Light is an innovative, award-winning Lighting Design firm. Their fields of specialization include Architectural Lighting Design, Museum Exhibition Lighting Design, and Special Event & Trade Show Exhibit Lighting Design. At Available Light; imagination meets decades of lighting design experience. Their team of highly skilled designers is infused with creative vision, armed with technical savvy & fired with enthusiasm. Available Light practices sustainable and energy efficient design, and is intensely focused on creating environments that consume less energy and are LEED compliant while beating the demanding financial challenges that owners face.

We believe that the McKinley & Associates / Available Light collaboration brings many benefits, which we outlined in the enclosed document. We love what we do, so we care about the results you get. We know we can provide you with a successful project and are very excited about the possibility working with the West Virginia Division of General Services again. Thank you for reviewing our submission and considering McKinley & Associates for your proposed project.

Sincerely,



Ernest Dellatorre  
Director of Business Development

# Concept

*McKinley & Associates has prepared a brief response to the evaluative criteria listed in the request for proposal's Concept (4.2.1) section.*

McKinley and Associates believes in a balanced approach to projects and we feel this is a strong asset to offer to our clients. By balance, we mean our methodology and attitude towards design goes beyond focusing on simply providing the quickest and easiest solution. With a balanced approach to design, we can provide quality architecture, quality engineering and client specific guidance during the entire design process.

All projects have a core focus that is communicated either directly or indirectly by the client. Our aim is to ascertain this focus as accurately and as early as possible in the design process. With this lighting design, a significant amount of time will be spent on the programming and schematic design phases of this project. This is why we have teamed with Available Light. With a clear understanding of your goals for the project, we can pinpoint our efforts to the areas that are most important to you. During this time a complete inspection will be done on the entire outdoor electrical system to determine what will be required to achieve your goals for this lighting project. Our team approach will be to integrate as much of the new systems as possible in a concealed and unobtrusive fashion as to maintain the historic features of the Capitol Building.

It is during the schematic phase that we will use the expertise of Available Light to provide you with different lighting design concepts we envision for the Capitol. With the dome a major landmark in the state a considerable amount of time will be spent on its design to maintain its prominence in the Charleston skyline. All of our design concepts will be reviewed with the project manager, stakeholders, and the State Historic Preservation Office so that the structure maintains its political significance while maintaining its historical nature.

Next, we will move to the design development and construction drawings. At the Design Development phase it is a very important time as changes can easily be made at this point. From the beginning to the end of a project we are conscientious about budget constraints. Not only do we discuss potential cost impacts during development meetings; we also review overall budgets at each critical phase as the work advances. This is also a very exciting time in the project as you are finalizing concepts and ideas and more concise visuals are provided for your review. You will now see what the Capitol will look like in the evening sky.

Lastly, the project will move to bidding and construction administration. Once a contractor is selected and approved, it is very important that the integrity of our design is transformed from our documents to Capitol. Our Construction Administration Department will be responsible for this task. They will be onsite to assure you that the contractor is delivering to you the design we envisioned.

# Quality Control

Quality control at McKinley & Associates, Inc. is a constant process which begins with the initial project activity and continues through document submissions, construction and owner occupancy. The longevity and size of the firm and our history of success completing complex and innovative projects is founded upon our commitment to this process.

During the design phases all personnel become fully versed in the client's program, project requirements and design standards. The design team is responsible for identifying for the client any potential conflicts between program criteria and design standards and resolving those conflicts to the client's satisfaction.

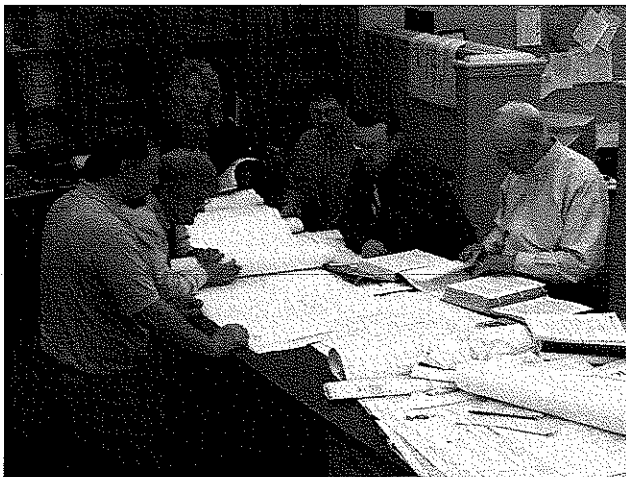
As the schematic/concept plans are developed, the Project Manager typically presents the plans for review and comments to a plan group depending on the nature of the work; e.g. engineers commenting on the engineering and architects critiquing the architecture. Once a consensus is reached, the plans advance in the process.

Prior to the completion of each phase, a set of project documents is issued to each discipline and consultant for coordination, cross-checking and review. The following items are checked at that time:

- Drawings and specifications for program compliance.
- Drawings and specifications for internal coordination.
- Cost effectiveness of the design.
- Drawing accuracy.
- Compliance with appropriate codes and client standards.

After coordination check corrections are completed, the project architect reviews the documents and compares the completed documents with check prints to verify that corrections have been made in accordance with the project design criteria. A final review is made by the principal-in-charge.

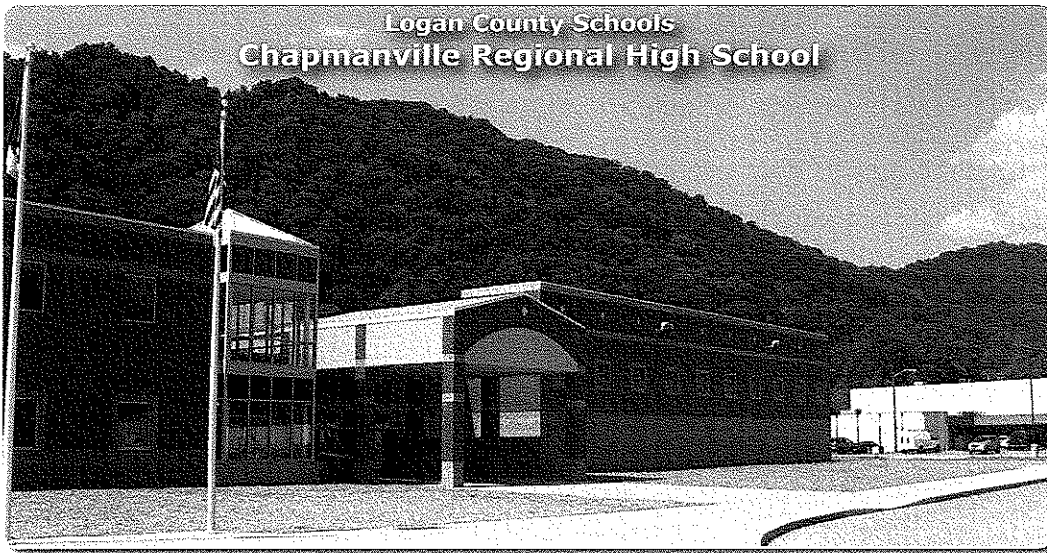
During the subsequent phases of design, all items are checked by persons other than those performing the daily design work in order to provide fresh insight. Prior to the final release of the documents, revisions are checked by the project manager and appropriately referenced on the drawings. Copies of the final documents are distributed to the client and consultants for final review and approval. Comments are incorporated into the documents prior to issuance for bidding and construction.



Bid documents are issued after a final check to verify that all bid packages have current revisions included and are appropriately identified. Bid sets are numbered and registered to bidders so that each bidder may be kept informed of clarifications and addenda.

During the construction, the processing of shop drawings and submittals is controlled and monitored by the project manager. The standard turnaround for the receipt, logging, review and return of submittals is 10 working days. Complicated or specialized submittals may require additional time. Urgent items can often be expedited to satisfy the construction schedule.

# Cost Effective Design



- **Most Cost Effective New School Design in the Past 4 Years**
- **CRHS's final price ~ \$158.41/SF – source: SBAWV (includes site development, building construction, and all FF&E)**
- **New High School State Average in 2005 ~ \$188.26/SF**
- **138,500 Square Feet**
- **Total Non-Owner Change Orders – 0.65%**



- **SBA's 2009 Limit on New Elementary School Design ~ \$217/SF**
- **Hilltop Elementary's final price ~ \$167/SF (includes site development, building construction, and all FF&E)**
- **49,700 Square Feet**
- **Total Non-Owner Change Orders – 0.83%**
- **Construction complete with potential LEED Silver Certification**



# Sustainable "Green" Design

**B**uildings designed today will need to meet the demands of the future; McKinley & Associates identifies the changes necessary in the design of today and to meet these demands. This approach helps to retain the buildings' long-term profitability and value, which achieves the buildings' **sustainability**.

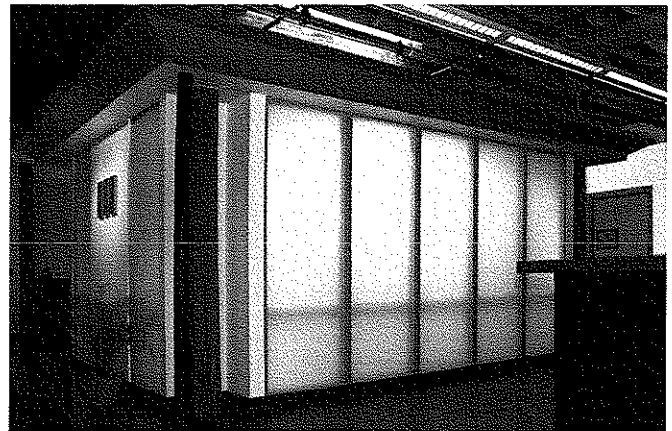
McKinley approaches ecological design from a business perspective, offering **proactive** solutions to complex problems such as indoor air quality, energy efficiency, resource depletion, and water quality. With commercial and institutional project experience, the McKinley Team can work alongside local designers to provide sustainable design and construction guidance. We also offer full architectural design services and guided design workshops on sustainable design issues.

Our Philosophy is to provide our clients with experienced leadership as well as state-of-the-art and **innovative** design expertise to accomplish the goals of your projects. Function, economics and versatility, in addition to the development of **strong aesthetic appeal**, are crucial elements in our design process. We also believe that enhancement of the physical environment in which each individual lives and works should add significantly to the enjoyment of life. Our firm has dedicated our professional skills to attain these goals.

Hilltop Elementary School is one of our many projects that we designed using **energy efficient** and **sustainable design** approaches. It was not until after construction had commenced that the Owner decided to submit for LEED certification. This required a great deal of coordination with the architects, engineers, subcontractors and suppliers. Since we incorporated **good sustainable design practices** from the beginning, this allowed for an easy transition, and for the project to be successfully completed in July 2009.



McKinley and Associates has been honored to have won some very notable awards and to have received some very prestigious nominations over the years. We recently won a West Virginia Chapter of the American Institute of Architects 2009 Merit Award for our newly renovated Charleston Office; a project led by Thom Worlledge.



View of our award-winning Charleston Office renovation showing our centrally located conference room "Lantern." This glows all day long through the translucent walls, which are illuminated with natural daylight from a skylight above.

# Leadership in Energy and Environmental Design



LEED® (Leadership in Energy and Environmental Design) Green Building Rating System™ developed by the U.S. Green Building Council (USGBC) is the nationally accepted standard for the design, construction, and operation of high performance green buildings. LEED recognizes that sustainable design requires a **team approach** to achieve the desired goals, and we have LEED Accredited Professionals (LEED AP and LEED AP BD+C) in both the architectural and engineering fields. We have **4 LEED Accredited Professionals** on staff, along with our skilled architectural/engineering team, who will efficiently and cost effectively achieve certification under this standard or we can guide you through the process in order to develop sustainability goals specific to your project.

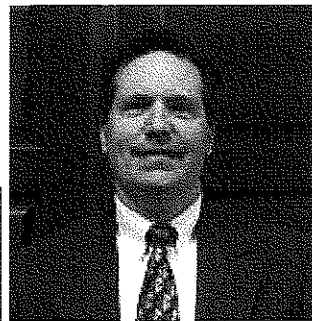
We have **4 LEED® Accredited Professionals** on staff (including the Project Manager for your proposed project) in **both the architectural and engineering fields:**

Michael S. Betsch, LEED AP  
Bradley A. Crow, PE, LEED AP  
Christina Schessler, AIA, LEED AP  
Thomas R. Worlledge, AIA, LEED AP BD+C, REFP

Our **LEED Registered Projects** are (LEED Rating System in parentheses):

Bellann in Oakhill, WV (LEED EB O&M)  
Cameron Middle School/High School in Cameron, WV (LEED for Schools 2.0)  
Hilltop Elementary School in Sherrard, WV (LEED for Schools 2.0)  
West Virginia State Office Building in Logan, WV (LEED NC 2.2)

All 4 of our LEED Registered Projects are either under construction or under design with potential **LEED Certification** (Bellann) or potential **LEED Silver Certification** (Cameron Middle School/High School, Hilltop Elementary School, and the West Virginia State Office Building).



The LEED AP Specialty Logos signify advanced knowledge in green building practices and specialization in a particular field. The LEED AP BD+C represents specialization in commercial design and construction.

Thomas R. Worlledge, AIA, LEED AP BD+C, REFP has been a member of the USGBC since 2001. He was the first LEED Accredited professional in the state of West Virginia and has served on the committee that sets the standards for the international energy code.

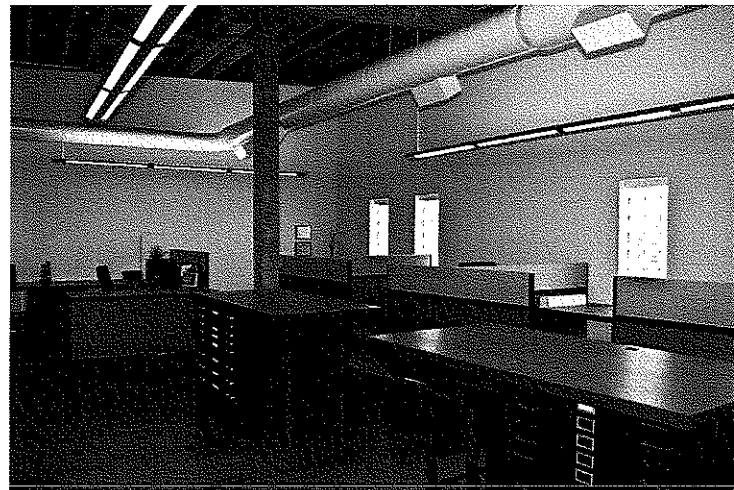
# McKinley & Associates Charleston Office



## Besides the paint, what makes this office "green"?

McKinley & Associates has been practicing "green" for years and has won awards for converting unused warehouse space into striking modern office buildings. One of the best ways to build green is to adapt an existing building; twenty percent of a building's energy consumption is embodied in the building's physical structure itself.

We recently won a West Virginia Chapter of the American Institute of Architects 2009 Merit Award for our newly renovated Charleston Office. The first thing you will notice is we left most of the existing structure exposed; this minimizes the amount of new materials required to define the space and allowed us to utilize some special features. For example, our centrally located conference room "Lantern" glows all day long from natural sunlight from above. This room's ceiling acts as a reflector, bouncing natural light throughout the space.



In addition to reusing the space, we also reused doors to make all of the desks, workstations and conference table. The top of the dividers is made from "Homosote", a board made from 100% recycled newspapers and covered with a fabric made from 100% recycled polyester. An office full of unique, durable office furniture for less than 1/10<sup>th</sup> of the cost of standard modular furniture is another advantage.



The office chairs are new, but the "Zody" chair by Haworth is the first chair to be Cradle to Cradle Gold Certified. This certification means that the manufacturer will take back the chair at the end of its useful life to disassemble and make a new chair, completing the cycle.

Yes, the paint on the walls is green, but it also has very low volatile organic compounds (VOC's) which keeps the air we breathe cleaner, and contains an anti-microbial which inhibits the growth of mold and mildew.

Most of the floor we chose to clean and seal with water based polyurethane, leaving the natural distressed state of the floor. The remainder of the space, we used a carpet tile by LEES which minimizes waste, has 35% recycled content and is Green Label Certified, meaning it meets stringent indoor air quality requirements.

The window blinds allow the control of glare while maintaining the view and minimizing heat gain. The direct/indirect lights are controllable so we can adjust the amount of electric lighting dependant on the amount of natural light coming in from the windows and the skylight. Even the bowl on the conference room table is recycled from the original fire bell that used to be on the exterior of the building.

# Firm/Team Qualifications

McKinley & Associates has prepared a brief response to each of the evaluative criteria listed in the request for proposal's Firm / Team Qualifications (4.2.2) section. Much of the information is contained on other pages within this "Firm / Team Qualifications" tab, to which we refer for your convenience in locating the supporting documents.

- a. 1116 Smith Street - Suite 406  
Charleston, WV 25301  
(304) 340-4267  
edellatorre@mckinleyassoc.com

Signed:



Ernest Dellatorre

- b. Electrical Engineer / Project Manager: Darren S. Duskey, PE  
Senior Electrical Designer: Russell McClure  
Electrical Engineering Designer: Scott D. Kain  
Lighting Consultant: Matthew Zelkowitz, IALD, LC AVAILABLE LIGHT  
Lighting Consultant: Steven Rosen, IALD AVAILABLE LIGHT  
Lighting Consultant: Ted Mather, LC, IALD AVAILABLE LIGHT  
Architect: Thomas R. Worlledge, AIA, LEED AP BD+C, REFP  
Architect Intern: Nicole D. Riley, Assoc. AIA  
Mechanical Engineer: Bradley A. Crow, PE, LEED AP  
Architectural Engineering / Quality Control: Tim E. Mizer, PE, RA  
Engineer Intern: Travis Petri, EIT  
Energy Efficient (LEED) Engineering Design: Bradley A. Crow, PE, LEED AP  
Energy Efficient (LEED) Architectural Design: Thomas R. Worlledge, AIA, LEED AP BD+C, REFP  
Energy Efficient (LEED) Architectural Design: Christina Schessler, AIA, LEED AP  
Energy Efficient (LEED) Architectural Design: Michael S. Betsch, LEED AP  
Quality Control: Charles T. Moore, AIA  
Construction Administration: Dana E. Womack, Jr.  
*\*Resumes are included within this Firm/Team Qualifications tab.*

- c. Even though we have previous experience on dozens of projects which involve outdoor lighting, dozens of projects that are on the National Register, have vast experience with codes, and have a great working relationship with various state agencies; we know that this is a specialized and significant project and that is why we brought in Available Light.

*\*More information on Available Light is found throughout this submittal; resumes are found within this Firm/Team Qualifications tab, corporate information and awards are shown within the Project Organization tab, and a list of projects is shown within the Demonstrated Project Experience tab.*

# Firm/Team Qualifications

- d. First and foremost we can state that our staff of 40+ professionals will devote whatever time is necessary to provide the Division of General Services with a successful project. With over 15 registered professional architects and engineers we have the ability to make difficult schedules work.

In the past 30 years we have extensive experience with similar projects. The technical depth of our professional staff indicates that this project can be accomplished without overloading our group or computer graphics systems. Our project team has been chosen for this project and they are available to dedicate the necessary time to this effort. **We are available to start immediately upon our being selected.** We can and will perform for you on time.

The services we provide are different than most others. With our 40+ member staff we have the ability to have registered architects and engineers designing within their area of expertise. HVAC design by a Mechanical Engineer, **Electrical design by an Electrical Engineer**, Fire and Life Safety design by a Fire Protection Engineer. The Professional Engineers (PE) are not only "In-House," we also have **depth** in numbers of each discipline in our firm. Our Architectural staff provides you with an exceptionally talented group that will walk you through your project to completion. Day by day, side-by-side, our architects and engineers provide a daily cohesiveness to your project.

- e. If and when McKinley & Associates is honored to be offered a contract for the Capitol Complex Exterior Lighting project; we would have no issues including 'section e' into the contract documents

# Firm/Team Qualifications

- f. You appropriately recognize how codes, and state / federal regulations are important to a successful project. Our professional's design within these codes daily, as our practice is and remains a West Virginia practice and we are dedicated more than ever to the state in which we live.

All documents will be prepared with the current WV State Building Code and WV State Fire Code as well as all State and Federal Codes, Regulations, and Ordinances. We are members of many organizations, and follow their standards, such as NFPA, CEFPI, AWI, WVEDC, AIA, NCARB, ASCE, ASPE, BOCA, ASHRAE, and ACI International.

For renovation projects, our past Historic Preservation experience includes extensive interaction with both The Secretary of the Interior's Standards for the Treatment of Historic Properties and West Virginia State Historic Preservation Office. Our efforts include qualifying structures for the National Register of Historic Places, renovations of contributing buildings in Historic Districts, and qualifying clients for Historic Rehabilitation Tax Credits.

We have worked with owners in many different sectors of business and have been able to comply with their various requirements and standards, including Federal Agencies such as the USPS, DOD, VA, FAA, HUD, EPA and NPS, and also State Agencies such as West Virginia University, Marshall University, West Virginia School Building Authority, West Virginia State Police, DOE, WVARNG, and the Department of Culture & History. We are able to respond to their needs, and we are certain that we are able to respond to all of your needs as well.

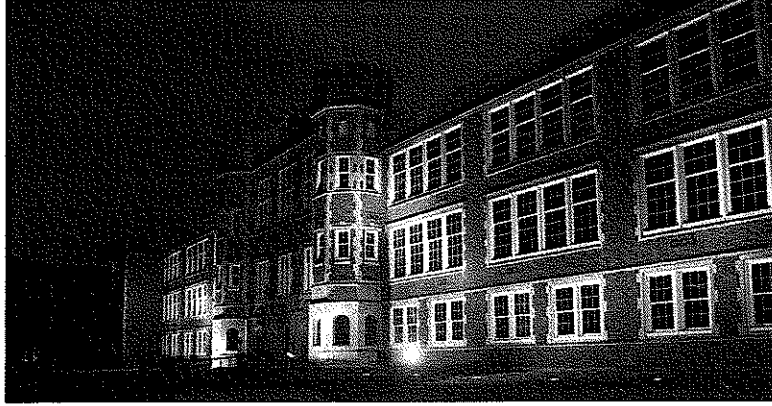
The coordination of consultants is handled by the Project Manager. If they are not familiar with your design guidelines and construction standards we will make sure we review the procedure with the consultant. Because we have our own MEP engineers; coordination of these disciplines can occur on a daily basis as we work on your project. Since we are utilizing the expertise of the lighting designers Available Light as our consultant; Coordination and Review Meetings will be held on a weekly basis.

- g. McKinley and Associates has not been involved in any litigation over the past five years. Our Firm's commitments to projects start with partnering with our clients and consultants as a preventive measure to disputes. By clarifying roles, responsibilities, and expectations we are able to minimize our litigation exposure. As the lead Architect, if a dispute does occur, our objective becomes to get the problem resolved by getting all parties involved together to resolve the matter without litigation. If this is unsuccessful then we recommend Alternative Dispute Resolution.

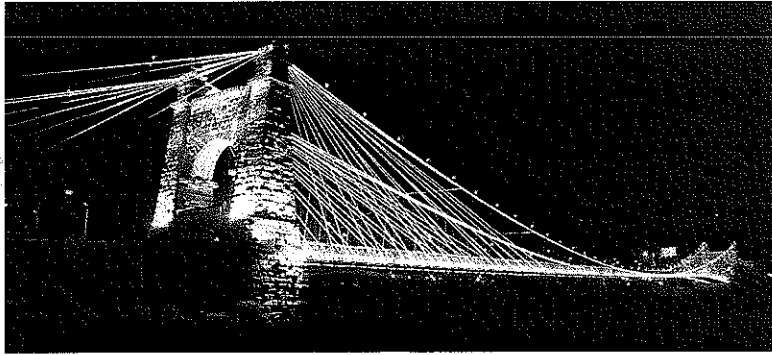
# Qualifications

**F**ounded in 1981, McKinley & Associates has become generally accepted as the largest A/E firm in West Virginia. We provided design services for projects representing more than \$100,000,000 annually in construction value. We have a broad range of skills and experience for projects involving **medical, religious, educational, government agencies, manufacturers, commercial and recreational operations**, as well as **developers**. In the past 10 years our firm has been awarded **4 prestigious AIA Honor and Merit Awards** for our works.

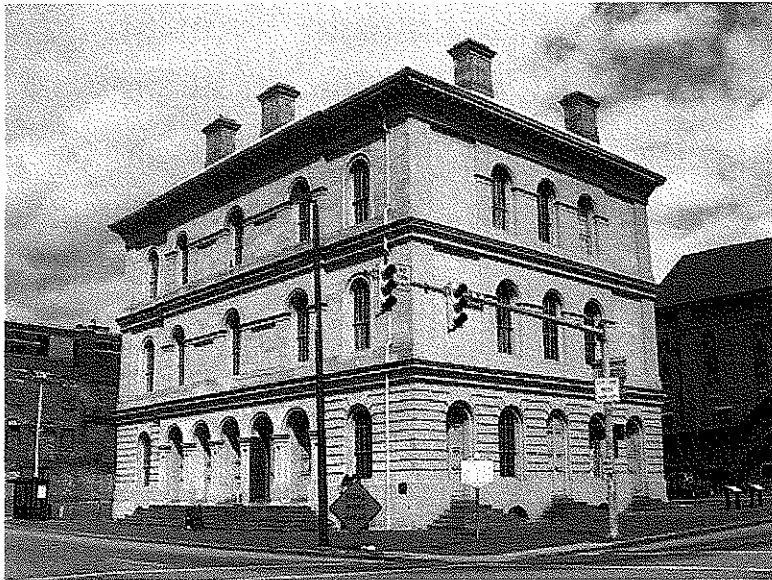
Parkersburg High School



Wheeling Suspension Bridge relighting project



WV Independence Hall



We have vast renovation experience, are familiar with projects that **respect the historic nature of the building**, and have a great working relationship with the **Division of Culture and History**. Our past Historic Preservation experience includes extensive interaction with **The Secretary of the Interior's Standards for the Treatment of Historic Properties**. Our efforts include qualifying structures for the **National Register of Historic Places**, renovations of contributing buildings in **Historic Districts**, and qualifying clients for **Historic Rehabilitation Tax Credits**. **Historic Preservation** is a passion for our firm. We are committed to saving and rehabilitating our past. Having an in-house staff of architects and engineers has allowed us to provide innovative, cost effective rejuvenation of historic buildings. We have completed **over 60 historic projects** throughout the tri-state region.

As West Virginia's largest A/E firm, our **40+ person Professional staff** includes: Architects; Civil, Electrical, Plumbing & Fire/Life Safety, Mechanical and Structural Engineers; Construction Administrators; LEED Accredited Professionals; Quality Controllers; Interior Designers and Recognized Educational Facilities Planners. We have provided professional services in all 55 counties of West Virginia.

# Management & Staffing Capabilities

The work to be performed by your design team is very clear. To evaluate, prioritize and design within budget and schedule to meet the needs of the West Virginia Division of General Services. The most important element of the entire process becomes **communication** from you to our designers. We use and welcome your input throughout the project.

The firm uses a number of different cost estimating procedures depending on the type and size of project. Our ability to design within budget is shown in the following, which represent some of our recently bid projects:

PROJECT	BUDGET	ACTUAL	DIFFERENCE
Maxwell Centre	\$1,800,000	\$1,734,000	-3.81%
Weirton State Building	\$4,291,000	\$4,083,000	-5.09%
WV Northern Annex	\$7,900,000	\$6,850,000	-15.33%
WV Northern Phase II	\$1,200,000	\$1,194,000	-0.50%
Hancock Co. Schools	\$11,000,000	\$11,260,000	+2.36%
Wood Co. - Williamstown HS	\$11,635,000	\$11,253,000	-3.39%
Ohio Co. Schools	\$2,800,000	\$2,675,000	-4.67%
Wheeling YMCA	\$2,200,000	\$2,100,000	-4.76%
WVU Colson Hall	\$5,400,000	\$5,500,000	+1.85%
Central Elementary	\$3,037,000	\$3,017,000	-0.66%
John Marshall Fieldhouse	\$3,755,000	\$3,518,000	-6.73%

Our **Quality Assurance Program** starts with our peer review where a registered professional not involved in the design becomes reviewer of the project before going to bid. Additionally, at our regularly scheduled project meetings the entire design team is constantly reviewing the process. We hold **weekly meetings** to discuss your project, the budget, schedule and quality assurance. We provide **Documented Minutes** of all of our meetings and encourage the Owner to participate in these meetings.

Our **Eleven Month Walk-Through** is a process where our professionals return to your facility eleven months after the project is completed. At that time they review all the work that was completed and check all warranties. We are making sure all of the covered work is in order and that the warranties do not expire with equipment or product not working properly. It should be noted that McKinley & Associates has been performing our eleven month walk-through for the past 13 years as part of our Standard of Care, and it only recently has been adopted as an AIA 101 Standard. We also conduct Post Occupancy Evaluations with the Owner to find out how well we matched the Owners' needs.

We also have an **Interior Design department**. Basic interior design services include determining the owner's project requirements, timetable and budget; analyzing space requirements; operating procedures; communication relationships; way finding (signage, directories, fire escape plan); furnishings and finishes; creating an inventory of existing conditions and determining future needs.



# Design Team

**Project Manager - Darren S. Duskey, PE**

**Engineers**

**Darren S. Duskey, PE**  
*Electrical Engineer*

**Bradley A. Crow, PE, LEED AP**  
*Director of Engineering Services / Mechanical Engineer*

**Tim E. Mizer, PE, RA**  
*Director of Operations / Architectural Engineer*

**Travis Petri, EIT**  
*Engineer Intern*

**Engineering Designers**

**Russell McClure**  
*Senior Electrical Designer*

**Scott D. Kain**  
*Electrical / Plumbing Engineering Designer*

**Architects**

**Thomas R. Worlledge, AIA, LEED AP BD+C, REFP**  
**Nicole D. Riley, Assoc. AIA**

**Lighting Consultant**

**AVAILABLE LIGHT**

**Matthew Zelkowitz, IALD, LC**  
*Principal / Project Manager*

**Steven Rosen, IALD**  
*Principal & Founder*

**Ted Mather, LC, IALD**  
*Principal*

**Energy Efficient /  
(LEED) Design Aspects**

**Bradley A. Crow, PE, LEED AP**  
*Engineering Attributes*

**Thomas R. Worlledge, AIA, LEED AP BD+C, REFP**  
*Architectural Attributes*

**Christina Schessler, AIA, LEED AP**  
*Architectural Attributes*

**Michael S. Betsch, LEED AP**  
*Architectural Attributes*

**Quality Control**

**Tim E. Mizer, PE, RA**

**Charles T. Moore, AIA**

**Project Coordination /**

**Construction Administration** — **Dana E. Womack, Jr.**

# Darren S. Duskey, PE

## Electrical Engineer

### EDUCATION:

The Ohio State University  
B.S. Electrical Engineer - 1993

Marshall University  
Graduate courses in Engineering

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

**Registered Professional Engineer in:**  
West Virginia  
Ohio

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Wheeling, WV (2002 to present)

Pickering Associates  
Parkersburg, WV (1997-2002)

Magnetic Specialty, Inc.  
Marietta, OH (1995-1997)

Inland Products, Inc.  
Columbus, OH (1993-1995)

### SUMMARY OF EXPERIENCE:

Mr. Duskey has 10 years of experience in the industrial, commercial, institutional, and educational markets with projects ranging from State Police detachment offices, electrical design of schools, health care facilities, large and small industrial projects, and commercial properties. He has extensive knowledge and experience with the National Electrical Code, state building codes, building industry standards and practices, and has demonstrated the ability to design qualitative and economic solutions to a myriad of challenges.

### NOTABLE PROFESSIONAL EXPERIENCES:

#### Electrical Engineer

West Virginia Independence Hall

Capitol Theatre

WVU Institute of Technology - Maclin Hall (Upgrade electrical service, renovations)

West Virginia University - Colson Hall (*Upgrade electrical service, including medium voltage distribution, renovations*)

Cabela's Eastern Distribution Center [New large (~1,000,000 SF) distribution center services, electrical design]

Chapmanville Regional High School - Logan County Schools (*New school service, electrical design*)

West Virginia State Building in Logan, WV (LEED)

West Virginia Northern Community College - The Education Center (*Upgrade electrical service, renovations*)

Marshall County Schools - Hilltop Elementary (LEED)

Marshall County Schools - Cameron Middle/High School (LEED)

West Virginia Army National Guard - Mountaineer Challenge Academy at Camp Dawson in Kingwood, WV

West Virginia Army National Guard - Multi-Purpose Building at Camp Dawson in Kingwood, WV

WVSP Headquarters (*Upgrade electrical service*)

WVSP detachment in Berkeley County (*Upgrade electrical service, renovations*)

West Virginia State Building in Weirton, WV

Bennett Square Office Building

United States Postal Service - statewide post offices

Boone County Schools - electrical upgrades and data cabling at Van Junior/Senior High School, Brookview Elementary, Madison Middle, Sherman Junior High, Sherman High, Nellis Elementary, Scott High, Whitesville Elementary and Van Elementary

# Bradley A. Crow, PE, LEED AP



Director of Engineering Services

Mechanical Engineer / LEED Accredited Professional

## EDUCATION:

West Virginia Institute of Technology  
B.S. Mechanical Engineering

## PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

**Registered Engineering in:**  
West Virginia  
Pennsylvania

**LEED® Accredited Professional**

## PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Director of Engineering  
Wheeling, WV (2005 to present)

BDA Engineering  
Design Engineer / Project Manager  
Pittsburgh, PA (2001-2005)

Tri-State Roofing  
Sales Engineer  
Davisville, West Virginia (2000-2001)

Ravenswood Polymers  
Site Engineer  
Ravenswood, West Virginia (1997-2000)

## SUMMARY OF EXPERIENCE:

Mr. Crow is an exciting and innovative Engineer who is on the cutting edge of his profession, being both a Professional Engineer as well as a LEED® Accredited Professional. His passion for his work translates into incredible design for his clients. His broad experience includes design for HVAC and plumbing for educational facilities, office buildings, shopping centers, apartment buildings, and other commercial and institutional facilities. Brad also has experience as a Site Engineer and Sales Engineer, which provides an unique understanding for problem solving.

## NOTABLE PROFESSIONAL EXPERIENCES:

### Mechanical Engineer

West Virginia Independence Hall

Capitol Theatre renovations

Bennett Square Office Building

Dr Ganzer Office Building

Wheeling Island Fire Station

Cabela's Eastern Distribution Center

Charleston Area Alliance Building - Warehouse to Office Buildout

Panhandle Cleaning & Restoration warehouse and office building

West Virginia State Office Building in Logan, WV (LEED Registered)

Wood County Schools (\$63+ million renovations)

WVU Colson Hall Renovations

WVU State Fire Training Academy / Jackson's Mill

WVU Institute of Technology - Maclin Hall

Cameron Middle School/High School (LEED Registered)

Hilltop Elementary School (LEED Registered)

West Virginia Army National Guard (WVARNG) - Multi-Purpose Building & Mountaineer Challenge Academy at Camp Dawson

West Virginia State Police - New Logan Detachment  
West Virginia State Police Academy multipurpose building

USPS - Charleston P&DC HVAC Renovation  
USPS - Clarksburg Chiller Replacement  
USPS - Martinsburg Processing and Distribution Center

J. B. Chambers Performing Arts Center at Wheeling Park High School - Ohio County Schools

# Tim E. Mizer, PE, RA

## Director of Operations

## Architectural Engineer / Architect / Quality Control

### EDUCATION:

Kansas State University  
B.S. Architectural Engineering - 1983

University of Cincinnati  
Architecture

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

**Registered Engineering in:**  
West Virginia  
Ohio

**Registered Architect in:**  
Ohio

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Architect / Engineer  
Wheeling, WV (1995 to present)

M.C.C. Engineering  
Director of Design  
Columbus, Ohio (1988-1995)

Schooley Caldwell and Associates  
Electrical & Mechanical Design  
Columbus, Ohio (1986-1988)

Mizer Design  
Free Lance Architectural Engineering Design  
Columbus, Ohio (1985-1986)

Envirotek, Inc.  
Drafting and Electrical & Mechanical Design  
Raleigh, NC (1984-1985)

### SUMMARY OF EXPERIENCE:

A very talented and unique professional who is registered both in engineering and architecture. Mizer's background as an Architectural Engineer has provided him with a total understanding of the engineering components which provides a cohesiveness on all of his projects. Being also a Registered Architect, he understands designing to allow for the engineering disciplines, including his responsibility of project management and design. Mr. Mizer is the Head of Operations for the company.

### NOTABLE PROFESSIONAL EXPERIENCES:

West Virginia Independence Hall renovations  
WVU Colson Hall renovations/upgrade  
WVU Institute of Technology - Maclin Hall  
Orrick Building  
Maxwell Centre  
Wagner Building  
Bennett Square Office Building  
Capitol Theatre renovations  
Wheeling Island Casino - various projects  
Panhandle Cleaning & Restoration warehouse and office building  
Charleston Area Alliance Building - Warehouse to Office Buildout  
USPS - Charleston Processing and Distribution Center  
Millennium Centre  
Dr Ganzer Office Building  
Cabela's Eastern Distribution Center  
West Virginia State Building in Logan, WV (LEED)  
West Virginia State Building in Weirton, WV  
Marshall County Schools - Hilltop Elementary (LEED)  
Marshall County Schools - Cameron Middle/High School (LEED)  
WVU State Fire Training Academy / Jackson's Mill  
Marshall County Schools (\$38+ mil.)  
Wood County School Bond Project (\$63+ mil.)  
USPS - designed over 100 Post Offices throughout West Virginia for ADA compliance  
West Virginia State Police - renovations and new detachments  
Also surveyed, reviewed, projected, budgeted, and documented 72 police facilities statewide

# Travis Petri, EIT

## Engineer Intern

### EDUCATION:

West Virginia University  
B.S. in Mechanical Engineering - 2003

### PROFESSIONAL REGISTRATIONS:

Engineer Intern

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Project Engineer  
Wheeling, WV (2006 to present)

Petri Detailing  
Owner/Sole Proprieter  
Wheeling, WV (2000 - 2006)

Mountaineer Gas Company  
Engineering Internship  
Wheeling, WV(1999)

### SUMMARY OF EXPERIENCE:

Mr. Petri is skilled in the complete design and project management of mechanical systems, whether it is renovations or new construction. He has worked on several LEED projects, performed multiple energy studies, and can provide recommendations to building owners to provide energy savings.

### NOTABLE PROFESSIONAL EXPERIENCES:

West Virginia Independence Hall

West Virginia State Police - Academy

Marshall County Schools - Cameron Middle School / High School (LEED registered project)

Marshall County Schools - Hilltop Elementary School (LEED registered project)

Wood County Schools - Parkersburg High School

Wood County Schools - Parkersburg South High School

Wood County Schools - Williamstown High School

Ohio County Schools - Bridge Street Middle School

Marshall County Schools - Washington Lands

Hancock County Schools - Oak Glen High School

Hancock County Schools - Weir Middle School / High School

Southern WV Community & Technical College - Williamson campus

Southern WV Community & Technical College - Wyoming/McDowell campus

West Virginia Northern Community College - B&O Building

West Virginia Army National Guard - Mountaineer Challenge Academy at Camp Dawson

Logan State Office Building (LEED registered project)

Braxton Co Senior Center

West Virginia State Police - Logan Detachment

United States Postal Service - multiple projects

# Russell McClure

## Senior Electrical Designer

### SUMMARY OF EXPERIENCE:

Mr. McClure is the seniormost designer in our firm. Specializing in electrical design, he has over 14 years experience at McKinley & Associates in electrical, HVAC, plumbing, structural and architectural design. He also has performed construction administration duties ranging from a single family housing complex to complete HVAC replacements on multi-million dollar projects. In the past two years, he has performed the electrical evaluations on all of the schools in our 14 counties' Comprehensive Educational Facilities Plans; over 160 schools in all.

### EDUCATION:

McKinley & Associates  
Wheeling, WV (1996 to present)

### NOTABLE PROFESSIONAL EXPERIENCES:

WV Independence Hall  
Capitol Theatre  
Catholic Heritage Center  
Maxwell Centre  
Orrick Building  
Wagner Building  
Bennett Square Office Building  
Sisters of St. Joseph's Convent rehabilitation  
West Virginia State Office Building in Logan, WV (LEED Registered)  
United States Postal Service - multiple projects  
West Virginia State Police - multiple projects  
Cabela's Eastern Distribution Center  
Dr. Ganzer Office Building  
US Can renovation  
OVMC Nurses Residence Hall  
West Virginia University - Colson Hall renovations/upgrade  
West Virginia University - State Fire Training Academy  
WVU Institute of Technology - Maclin Hall  
West Virginia Northern Community College - B&O Building  
West Virginia Northern Community College - Education Center  
Marshall County Schools - Cameron Middle/High School (LEED Registered)  
Marshall County Schools - Hilltop Elementary School (LEED Registered)  
Wood County Schools - Parkersburg High School  
Wood County Schools - Parkersburg South High School  
Wood County Schools - Williamstown High School  
Marshall County Schools - John Marshall High School  
Marshall County Schools - Sherrard Middle School  
Marshall County Schools - Moundsville Middle School  
Marshall County Schools - Central Elementary School  
Boone County Schools - Scott High School electrical  
Boone County Schools - Brookview Elementary School  
Boone County Schools - Madison Middle School electrical  
Boone County Schools - electrical upgrades and data cabling at Van Junior/Senior high School, Sherman Junior High, Sherman High, Nellis Elementary, Whitesville Elementary and Van Elementary

# Scott D. Kain

## Plumbing / Electrical Engineering Designer

### EDUCATION:

Technology Education College /  
Ohio State University  
Associates in Mechanical Design - 1996

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Engineering Designer  
Wheeling, WV (2001 to present)

HAWA Inc.  
Mechanical Designer  
Columbus, OH (1998-2001)

Autotool Inc.  
Engineer  
Columbus, OH (1995-1998)

### SUMMARY OF EXPERIENCE:

Mr. Kain is an accomplished engineering designer who has performed in all the engineering trades we provide; specializing in plumbing, fire protection, and electrical. He has also worked for various McKinley & Associates' projects that needed mechanical, structural, and architectural elements. In addition, Mr. Kain has also provided 3D renderings for various projects over the past 10 years.

### NOTABLE PROFESSIONAL EXPERIENCES:

WV Independence Hall  
Capitol Theatre  
Catholic Heritage Center  
Maxwell Centre  
Orrick Building  
Wagner Building  
Bennett Square Office Building  
Sisters of St. Joseph's Convent rehabilitation  
Dr. Ganzer Office Building  
OVMC Nurses Residence Hall  
West Virginia University - Colson Hall renovations/upgrade  
West Virginia University - State Fire Training Academy  
West Virginia University - Stalnaker Hall roof replacement  
WVU Institute of Technology - Maclin Hall  
West Virginia Northern Community College - B&O Building  
West Virginia Northern Community College - Education Center  
Wood County Schools - Parkersburg High School  
Wood County Schools - Parkersburg South High School  
Wood County Schools - Williamstown High School  
United States Postal Service - multiple projects  
West Virginia State Police - multiple projects  
Charleston Area Alliance Building - Warehouse to Office Buildout  
West Virginia State Office Building in Logan, WV (LEED Registered)  
Cameron Middle School/High School (LEED Registered)  
Hilltop Elementary School (LEED Registered)

# Thomas R. Worledge, AIA, LEED AP BD+C, REFP

## Charleston Office Area Manager



## Architect / Educational Specialist / LEED Accredited Professional

### EDUCATION:

Virginia Polytechnic Institute & State University  
Master of Architecture - 1992

Fairmont State College, School of Technology  
B.S. Architectural Eng. Tech. - 1983

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

#### Registered Architect in:

West Virginia  
Virginia  
Pennsylvania  
Ohio

#### National Board Certification:

NCARB #48600

#### President:

West Virginia Society of Architects

#### Member:

The American Institute of Architects  
US Green Building Council  
Sustainable Building Industries Council  
Recognized Educational Facility Professional

#### Former voting member:

ASHRAE 90.1 International Energy Code  
Committee

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Manager, Charleston Office  
Charleston, WV (2005 to present)

Proactive Architecture Inc.  
President  
Charleston, WV (1999-2005)

Silling Associates Inc.  
Vice President  
Charleston, WV (1992-1999)

TAG Architects  
Charleston, WV (1985-1990)

Alpha Associates Inc.  
Morgantown, WV  
(1983-1985)

### SUMMARY OF EXPERIENCE:

Mr. Worledge is a skilled Architect with over 20 years experience who has received state wide design awards (including a West Virginia Chapter of the American Institute of Architects 2009 Merit Award in Sustainable Design) and placed in national design competitions. As a **LEED Accredited Professional** and a recognized sustainable design expert, he has had articles published in state and national trade publications, spoken before architectural students, ASHRAE chapters, and business groups on sustainable design issues and was also a featured speaker at the 2001 Governor's Conference on the Environment and the 2001 Sustainable fair. He also teaches other design professionals in the art of High Performance School design, as a professional trainer for the Sustainable Building Industries Council. Mr. Worledge has been involved in design of projects ranging in from a small home additions (one of which was featured on HGTV's New Spaces Show) to multimillion dollar projects such as the new West Virginia State Building in Logan, which will be LEED Silver Certified. Mr. Worledge is a former voting member of the ASHRAE 90.1 Standards committee that forms the basis of the International Energy Code and is the president of the state chapter of the AIA.

### NOTABLE PROFESSIONAL EXPERIENCES:

#### LEED and Energy Efficient "Green" Design:

Marshall County Schools - Hilltop Elementary School (LEED Registered Project)

West Virginia State Building in Logan, WV (LEED Registered Project)

Bellann in Oakhill, WV (LEED Registered Project)

McKinley & Associates Charleston Area Office (2009 WV AIA Design Award winner)

### PROMINANT PROFESSIONAL ACHIEVEMENTS:

#### High Performance Design for High Performance Companies

Published in *Executive Source*, Fall 2002

#### Watt's Next? The Coming Energy Revolution

Published in *West Virginia Executive*, Winter 2004

#### The Design of Sustainable Environments

Featured Speaker, 1994 National Convention of Architectural Students

#### Daylighting and HVAC Design

Featured Speaker, ASHRAE West Virginia Chapter

#### Rebuilding the Future: Recycling and Reuse of Building Materials

Featured Speaker, 2001 Governor's Conference on the environment



# Nicole D. Riley, Assoc. AIA

## Architect Intern

### EDUCATION:

Virginia Tech, College of Architecture  
Bachelor of Architecture - 1998

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

#### NCARB

#### Associate Member:

The American Institute of Architects

#### Member:

AIA 150 Celebration Steering Committee  
AIA Livable Communities Committee  
Charleston Area Alliance, Young  
Professionals Housing Sub-Committee  
Young Life Committee of Kanawha Valley

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Wheeling, WV (2005 to present)

Williamson Shriver Architects  
Charleston, WV (2003-2005)

ZMM, Inc. Architects and Engineers  
Charleston, WV (1999-2003)

The Omni Associates  
Fairmont, WV (1999)

### SUMMARY OF EXPERIENCE:

Mrs. Riley's tenure as design professional has taken her through many aspects of project delivery and construction throughout West Virginia. This experience includes a wealth of works for several county school systems, the West Virginia Army National Guard, as well as multiple private clientele. A family background in masonry construction and a keen interest in historical elements are recognized through her understanding and usage of natural materials in a contemporary context. Mrs. Riley is active in coordination during the design process, culminating in a sound package for the client.

### NOTABLE PROFESSIONAL EXPERIENCES:

**Project Manager - McKinley & Associates Charleston Area Office**  
The new McKinley & Associates Charleston Area Office is a 2,500 SF office space for our architectural, engineering, and interior design staff. This 2009 AIA Merit Award-winning interior renovation project was constructed for \$63.30/SF with owner occupancy ahead of schedule. Managed budget, schedule, construction administration, vendor relations and material purchasing.

**Project Manager - Sherrard Middle School, Marshall County**  
This project included the demolition, renovations and additions to the 69,324 SF educational facility. Scope of work included new dining and classroom facilities, new commercial kitchen and emphasis on security. This facility is one of ten system-wide coordinated access control.

**Design Team - Parkersburg South High School**  
Selective demolition and comprehensive renovations and additions to 250,000 SF campus, whose original design period spanned the decades of 1950-1970. Design facets included state-of-the-art technological and science updates as well as new music facilities including an auditorium. Renovation design implemented ADA and Safe Schools initiatives. New Day Care facility was designed for the school system's training curriculum.

**Designer/Production Team - Robert C. Byrd Regional Training Institute, Kingwood, WV**  
148,000 SF facility for the West Virginia Army National Guard - Camp Dawson. This facility contains temporary residences for officers, training and office areas, auditorium and conference space as well as dining facilities. Designer of Lobby tile and marquis design and assisted with various Interior Design elements and Construction administration tasks.

**Project Captain - Glen Jean Armed Forces Center, Glen Jean, WV**  
110,000 SF joint project for the West Virginia National Guard and the United States Department of Defense includes an Armed Forces Reserve Center, Organizational Maintenance Facility and Military Entrance Processing Station. Responsible for all phases of document production with an emphasis on coordination with U.S. Department of Defense and various engineering consultants.

# Christina Schessler, AIA, LEED AP



## LEED Accredited Professional / Architect

### EDUCATION:

The Pennsylvania State University  
Bachelor of Architecture - 1986

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

#### Registered Architect in:

West Virginia  
Pennsylvania  
Ohio

#### NCARB Certificate - 2005

#### LEED® Accredited Professional

#### Member:

American Institute of Architects  
City of Wheeling - Building Codes Board  
of Appeals

#### Former Member, Board of Director, & Treasurer:

The Midwife Center for Birth & Women's  
Health / Pittsburgh, PA

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Wheeling, WV (2004 to present)

MacLachlan, Cornelius & Filoni Architects  
Pittsburgh, PA (1999-2004)

Perfido Weiskopf Architects  
Pittsburgh, PA (1996-1999)

T.L. Cox & Associates  
Beaver, PA (1990-1996)

Valentour English Bodnar Architects  
Mt. Lebanon, PA (1989-1990)

Kenny Williams & Williams Building  
Diagnostics  
Maple Glen, PA (1988)

### SUMMARY OF EXPERIENCE:

Ms. Schessler has 20 years of experience working one on one with a wide range of educational, professional, liturgical, medical and commercial clients. She is adept at developing space and utilization programs with clients who are unfamiliar with the architectural design process. Christina can provide direction to Clients who wish to develop a design and document program that is intended to achieve LEED Certification. Her skills include construction document preparation, consultant coordination and construction administration experience. As a volunteer and as a professional, Ms. Schessler has developed several projects for non-profit agencies on limited budgets.

### NOTABLE PROFESSIONAL EXPERIENCES:

#### Project Architect

West Virginia Independence Hall

WVU Fire Training Academy / Jackson's Mill, WV

Grant County Schools / Multiple Projects

Panhandle Cleaning & Restoration warehouse and office building

Wheeling Island Fire Station

Braxton County Senior Citizen Center

Bethany College Health and Wellness Center, renovation

University of the South, Gaylor Hall Additions and Renovation

University of Pittsburgh, Blaisdell Hall, New Theater and Arts Building

Beaver Valley Burn Building site development

The Beaver County Medical Center, Women's Health Center and Rheumatology Expansion

New Hope Youth Home addition / Beaver, PA

#### Architect

The Midwife Center for Birth & Women's Health, Birthing Suites / Pittsburgh, PA **(Non-Profit)**

Master Plan study for DePaul Institute for the hearing impaired

Indiana University of PA, Uhler Hall Additions and Renovations

#### Project Designer

United Cerebral Palsy Center, renovations and additions / Washington, PA **(Non-Profit)**

St. Clair Hospital, Woman's Breast Cancer Health Clinic

Children's Home of Pittsburgh, interior renovations **(Non-Profit)**

# Michael S. Betsch, LEED AP



## LEED Accredited Professional

### EDUCATION:

Drexel University (Philadelphia, PA)  
Bachelor of Architecture - 2007

Delaware Technical and Community College  
Associate, Architectural Engineering - 2000

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

U.S. Green Building Council

LEED® Accredited Professional

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Wheeling, WV (2008 to present)

Stantec Architecture  
Wilmington, DE; New York; and Vancouver  
(2007-2008)

The Breckstone Group  
Wilmington, DE (2006-2007)

Staikos Associates Architects  
Wilmington, DE (2000-2006)

### SUMMARY OF EXPERIENCE:

Mr. Betsch's project experience includes new construction as well as renovation of existing structures. Projects types include government, liturgical, private high security, educational, office, retail, institutional, residential, and historic preservation.

Mr. Betsch has proven success working with highly intricate project delivery scenarios such as phased renovations to active mission critical command and control centers, and modernization of highly publicized actively used government historical centers such as New York City's City Hall. With over 8 years of experience Mr. Betsch has had the opportunity to work for a varied group of clients in the US, Canada, and the Middle East. These clients have included Foreign Governments, Integrated Defense Providers, State and local governments, Historic Societies, Educational Providers, Public and Private Corporations, Condo Associations, and Private Home owners. As a **LEED® Accredited Professional** Mr. Betsch works to bring sustainable design solutions to work for the benefit of his clients and the community.

### NOTABLE PROFESSIONAL EXPERIENCES:

#### **New York City Hall / New York, NY**

General restoration and architectural coordination for extensive mechanical renovations of the interior of historic landmark originally built in 1811. A feasibility study was completed to obtain a LEED certification. In addition, a high-definition scan (a laser survey technology used to create three-dimensional electronic models), multi-media, mass media, and audio/video upgrades were designed for the City Council.

#### **Weir High School / Hancock County Schools in Weirton, WV**

\$5 million architecture and HVAC project involved the construction of new Mechanical Rooms at Buildings A and F.

#### **Arkansas Emergency Operations Center / Little Rock, AR**

Programming, master planning, and design development documentation for this statewide emergency operations center

#### **Burnaby Mountain Sports and Medicine Center / Simon Fraser**

University in Vancouver, British Columbia

Design charrette for a new facility which includes a roof top soccer field, clinics, offices, a field house, retail, grocery store, and aquatic center with an Olympic sized swimming pool

#### **Montgomery County Emergency Operations Center /**

Montgomery County, MD

Programming, planning, design and contract documents for a 10,500 SF multimedia operations theater for 45 responders with support spaces, media briefing, etc.

#### **Montgomery County Emergency Communications Center**

Programming, master planning, design and preparation of contract documents for a 57,000 SF emergency communications facility

# Charles T. Moore, AIA

## Quality Control / Architect

### EDUCATION:

University of Texas  
Bachelor of Architecture - 1955

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

#### Registered Professional Architect in:

West Virginia  
Ohio  
Texas

#### Member:

American Institute of Architects  
West Virginia Society of Architects

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Architect / Quality Control  
Wheeling, WV (1988 to present)

Deeter Ritchey Sippel Associates  
Architect  
Pittsburgh, PA (1982-1988)

William F. Pleva, Architects  
Architect  
Pittsburgh, PA (1981-1982)

Charles Moore, Architect  
Owner / Architect  
Crockett, TX (1969-1981)

### SUMMARY OF EXPERIENCE:

Mr. Moore brings over 50 years of architectural experience to the job. His varied experience in the Architectural Profession creates economical solutions to our projects. In addition to his design skills, Mr. Moore is a very organized and experienced Quality Control Manager.

### NOTABLE PROFESSIONAL EXPERIENCES:

#### Project Architect

Cameron High School Addition

Renovations to Bonar Hall West Liberty State College

Hazel-Atlas Building, West Virginia Northern College /  
Wheeling, WV

#### Coordinator of Engineering Services

NASA "Classroom of the Future", Wheeling Jesuit College /  
Wheeling, WV

#### Quality Control

West Virginia State Building in Logan, WV (LEED)

Marshall County Schools - Hilltop Elementary (LEED)

Marshall County Schools - Cameron Middle/High School (LEED)

West Virginia State Building in Weirton, WV

Panhandle Cleaning & Restoration warehouse and office building

Wheeling Island Casino - various projects

WV Independence Hall

Bennett Square Office Building

Cabela's Eastern Distribution Center

Marshall County Schools / multiple projects

WVU Colson Hall renovations/upgrade

WVU Institute of Technology - Maclin Hall

WVU State Fire Training Academy

West Virginia State Police - various detachments statewide

West Virginia State Police Headquarters

West Virginia State Police Academy

United States Postal Service - various projects statewide

Grant County Schools / multiple projects - Maysville ES, Union  
Educational Complex

Wetzel County Schools / multiple projects - Long Drain ES,  
Magnolia HS, New Martinsville ES, WCCCF

Summers County Middle School

# Dana E. Womack, Jr.

## Project Coordinator (Construction Administrator)

### EDUCATION:

Marshall University  
A.A.S. Occupational Development - 2005

### PROFESSIONAL EMPLOYMENT:

McKinley & Associates  
Project Coordinator  
Charleston, WV (2009 to present)

RBS Construction Inc.  
Project Manager  
Nitro, WV (2007-2009)

Providence Construction  
Superintendent  
Teays Valley, WV (2007)

G&G Builders  
Superintendent-in-Training (2005-2006)  
Cement Finisher (2002-2005)  
Scott Depot, WV

United Parcel Service  
Preloader  
South Charleston, WV (1999-2002)

United States Air Force  
Security Forces (Sr. Airman)  
Tinker Air Force Base, OK (1996-1999)

### SUMMARY OF EXPERIENCE:

Mr. Womack brings various knowledge to the Project Coordinator role; skills which included a cross-trained background of project management / coordination, on-site supervisor, administering contracts from start up to project close out, as well as field work as a cement finisher (work included the Western Regional Jail), preloader, and law enforcement officer. With credentials spanning across all aspects of construction, Dana has a unique ability to work with owner and contractor alike and get the project completed on time and within budget.

### NOTABLE PROFESSIONAL EXPERIENCES:

#### Construction Administrator for:

*West Virginia State Building in Logan, WV (LEED)*

*West Virginia State Police Academy Renovations*

*WVSP Logan Detachment*

*Brookview Elementary - Boone County Schools*

*Madison Middle - Boone County Schools*

*Scott High - Boone County Schools*

*Summers County High - Summers County Schools*

#### Project Manager

Manage projects from Preconstruction meeting to project close out. Develop construction schedules, manage on-site personnel, coordinate with subcontractors and work with suppliers to ensure materials are delivered to the jobsite on time. Work closely with the architects and engineers to complete the projects on time, within budget and to the owner's satisfaction.

*Southern and Southwestern Regional Jails*

*Montrose Elementary Elevator Addition*

*900 Christopher Street Structural Renovations*

*Putnam PSD New Maintenance Garage*

*Mine Health Safety Academy Bathroom Renovations*

#### Superintendent

Role during projects was on-site supervisor for all aspects of job completion. Managed job site personnel, maintained a safe work place environment, and led the team toward job completion with proper time management.

#### Security Forces (Sr. Airman) - Tinker Air Force Base, OK

Assistant Non Commission Officer In Charge of the Security Police Armory. Security Police Officer, duties included guarding priority A, B, and C aircraft and patrolling base as law enforcement officer.

**Matthew Zelkowitz, IALD, LC**  
Principal/Project Manager

Matt's specialty is the integration of theatrical technique with architectural lighting design. Although Matt began his career as a stage designer, an interest in exploring different design aesthetics and scale very quickly led him to the field architectural lighting. These combined passions and skills naturally led him to Available Light.

Museum projects include: Sony Wonder Technology Lab in New York City, the USS Monitor Center at the Mariners' Museum, the National Infantry Museum, the Genetics exhibit at the Chicago Museum of Science & Industry—for which he was awarded an *International Illumination Design Award*, the Iowa Science Center, the Kentucky African American Heritage Center, Tent City in Birmingham AL, the Miami Children's Museum, master plan for the Liberty Science Center's new wing, the Museum of the Earth in Ithaca NY, and the new exhibits for the Jamestown Settlement in Virginia.

Architectural projects include: designs for university science research facilities at Brandeis, Georgetown, UMass Amherst, UPenn Hershey; the renovation of both Aldrich & McCollum Halls at the Harvard Business School; The Cloister Hotel & Spa in Sea Island GA; Unilever's UK Corporate Training Center; lighting for new dining hall serveries at UNH & UMass Amherst; Norwood MA Subaru Dealership; the Miami Children's Museum building; master plan for the Liberty Science Center's new expansion wing; and the exterior lighting for the Kendall Square Power Station in Cambridge MA

Prior to joining Available Light, Matt was a busy designer at New York City's Cosentini Lighting Design where architectural projects included: the NYC offices of Thomson Financial; The Ritz-Carlton-Coconut Grove; the Opryland Hotel & Convention Center-Orlando; Harry's Space Trading Floor/American Stock Exchange; Mars2112 Restaurant-NYC ; The Impala Residences-NYC; exterior & courtyard lighting for the Villes De Colombes/Portes De la Defense project in Paris, France and the 14/16 Junghofstrasse project in Frankfurt, Germany.

Mr. Zelkowitz spent a number of years living & working in the Seattle theater scene while also serving as the resident designer at Stamford Theatre Works in Connecticut. Other theatre companies for whom he has worked include: La Mama, ETC Theatre Co., CW Post Theatre, The Hangar Theatre, Contemporary American Theatre Festival; Aha! Theatre, The Annex Theatre, and the Stella Adler Conservatory Co., He is a founding member of The Kitchen Theatre in Ithaca, NY

Matt is Lighting Certified and holds a BFA in Theater Arts from Ithaca College, and an MFA in Stage Design from New York University. He is an active member of both the International Association of Lighting Designers and the Illuminating Engineering Society.

Available Light: *insightful design, creative solutions.*

## Steven Rosen, IALD

PRINCIPAL & FOUNDER

What a great job! Not only does Steven enjoy a career that spans performance, architecture, museums & corporate communications—he also gets to work with a lot of very cool people. In 2002, Steven was honored with the LDI Lighting Designer of the Year.

It was Mr. Rosen's keen interest in applying theatrical lighting techniques to traditionally non-theatrical environments that led to his creation of Available Light. The originality and grand scale of Steven's designs is evident in such one-of-a-kind projects as: *Thunder Lagoon*, a computer-automated Tropical Rainstorm experience; SportsLab, a 100,000 square foot touring theme park/exhibition all about sports; and the 150<sup>th</sup> Anniversary of Pennsylvania's Horse Shoe Curve where he converted a half mile long train into the world's biggest automated theatrical luminaire.

Project designs (many of which are award winners) for Museums include: *The American Presidency, America on the Move & Price of Freedom* at the National Museum of American History; *The ZeitHaus* at Volkswagen's AutoStadt in Wolfsburg Germany; The Longyear Museum in Boston; The Liberty Science Center, The New England Aquarium; The Tech Museum of Innovation in San Jose, the North Carolina Museum of Natural Sciences; *Genetics, Net World, U-505 Submarine & The Burlington Zephyr* at the Chicago Museum of Science & Industry; the Kansas City Jazz Museum; Chicago Nature Museum; Crayola Visitor's Center and the Virginia Air & Space Center.

Architectural Lighting Designs include: MIT Building 7 Dome Renovation—for which he was bestowed the International Association of Lighting Designers' top honor, the *Radiance Award*; Genuity Network Operations Center; The Lodge & Cloister Hotels at Sea Island, Georgia; Art Technology Group headquarters & regional offices; Stamford Health Care Systems; the Carolina Ice Palace; Harvard Business School; Schwab Center at Stanford; Tuck School of Business; Duke University; Boston College; and Unilever UK.

Steven's theatricality translates into a wild, compelling vision for trade show & special events clients, including: IBM, Bristol-Myers, HP, Reebok, Make-A-Wish, Motorola, Novartis, EMC, Akamai, Nortel, Land Rover, the Charlotte Hornets, the Boston Celtics, Sony, The Fleet Center & First Night Boston.

Steven began his professional training at the Pacific Conservatory of the Performing Arts, holds a BFA, *cum laude*, from Webster University in St. Louis, and an MFA in Stage Design from New York University. In his spare (!) time he is still passionate about designing for Theatrical Companies. Mr. Rosen has taught lighting design for NYU Tisch School of the Arts & Emerson College; he has guest lectured at RISD, Harvard University, NYU, The Boston Design Center, Northeastern University, Princeton, LightFair International, LDI International, Lux Pacifica in New Delhi, the IES, ASTC, IALD, TS2, BuildBoston, DLF & the Lighting Research Center.

He is a member of the International Association of Lighting Designers, US Council for Green Buildings, the Illuminating Engineering Society, USITT, United Scenic Artists and the Designer's Lighting Forum.

Available Light: *insightful design, creative solutions.*

## Ted Mather, LC, IALD

### PRINCIPAL

By design, Ted Mather's career resides at the intersection of theatrical, entertainment and architectural lighting. Ted's dramatic flair and technical expertise merge seamlessly to create striking, dynamic environments and state-of-the-art installations. Ted's decades of experience—working around the globe—means that his creative vision is balanced with what is truly practical and possible. Mr. Mather's theatrical pedigree shines through in his architectural practice; his work is brimming with excitement, color and animation. Passionately interested in the merits of a hands-on approach, Ted seeks to collaborate closely with both design and management teams to insure that all functional, aesthetic and financial criteria are thoughtfully and fully meted out.

An accomplished theatrical lighting designer, Mr. Mather has transformed the Architainment industry with ground-breaking projects such as The International Spy Museum, the Naismith Memorial Basketball Hall of Fame, and both the Prow Sculpture & *Under The Stars* installation at the Time Warner Center in New York City. Ted began his training at the University of Illinois and received his MFA in Stage design from NYU. Before joining forces with Available Light, he was the Principal & President of Ted Mather Lighting Design. Ted is Lighting Certified by the NCQLP, a Professional member of the IALD, as well as United Scenic Artists, DLF and IESNA. He has taught and guest lectured for NYU, Drew University and the renowned Broadway Master Class Series.

#### Notable works include:

- Canteen Theatre, The National WWII Museum, New Orleans
- College Basketball Experience, Kansas City MO
- *God of Carnage*, Broadway play, Bernhardt Jacobs Theatre, NY, Associate LD
- *A son et lumiere* show for the Gettysburg Cyclorama, Gettysburg PA
- Bethel Woods Performing Arts Center and Exhibition, Bethel Woods, NY
- Steuben Glass Flagship Store, New York NY
- The Verizon Experience, Citi Field, Flushing, NY
- Truman Presidential Library Renovation, Independence, MO
- Walgreen's flagship store at One Times Square, New York
- NASDAQ Marketsite in Times Square, New York NY
- *America's Wildest Places*, American Museum of Natural History, Washington DC
- *Les Miserable*, Broadway Revival, Broadhurst Theatre, New York NY
- Naismith Memorial Basketball Hall of Fame, Springfield, MA
- Chicago History Museum, Chicago, IL
- "*Under The Stars*" holiday installation at Time Warner Center, NY
- Children's Museum of Houston, TX

Ongoing design work for Broadway productions & tours, along with an impressive resume designing permanent installations and show control systems for a myriad of clients, gives Mr. Mather the experience and skills to seamlessly merge the worlds of architecture and entertainment.

Available Light: *insightful design, creative solutions.*



# Project Organization

McKinley & Associates has prepared a brief response to each of the evaluative criteria listed in the request for proposal's Project Organization (4.2.3) section. Much of the information is contained on other pages within this "Project Organization" tab, to which we refer for your convenience in locating the supporting documents.

- a. Please see the "Firm / Team Qualifications" tab to see the personnel assigned to this project. The McKinley & Associates organization chart, and a copy of the proposed project team (flow chart), are included within this tab. The locations of the McKinley & Associates offices are:

Charleston Area Alliance Bldg.  
1116 Smith Street  
Suite 406  
Charleston, West Virginia 25301

The Architecture, Construction Administration, and "Green" Energy Design (LEED) will be performed by our staff in our Charleston Office

The Maxwell Centre  
Thirty-Two - Twentieth Street  
Suite 100  
Wheeling, West Virginia 26003

The MEP Engineering, "Green" Energy Design (LEED), and support services will be performed by our staff in our Wheeling Office

- b. With our Charleston Office being **5 minutes** from your complex, you can be assured that you will receive the best service for your proposed projects. We know we can provide our services within the project **time frame**.

Throughout the years we have worked on many "fast-track" projects, achieving success by maintaining time and cost management, quality control and excellent communication amongst the client and contractors.

In 2006, we designed an extensive (\$5M) renovation of Maclin Hall, a historic 53,900 SF dormitory building on the campus of WV Tech, in less than a month. The project included redesigning the shared areas, new finishes, new roof, and restoration of the exterior. We also replaced the entire HVAC, lighting, fire protection, data systems and renovated the shared restrooms.

When TeleTech needed to move into a new call center in 6 months; McKinley & Associates got the call. Teletch is a \$10 million project, and included in the structure are the following: sophisticated computer and communication systems with over 450 stations, 500 employee parking spaces, cafeteria, office and training rooms along with calling areas. The 58,000 SF building came in on time, on schedule, and on budget, and it became a prototype for all of the company's buildings.

There are many ways in which we will respond expeditiously to your needs. Our "In-House" registered professional architects and engineers work together everyday, have done most of the projects here as a group, and have the ability to make difficult **schedules** work. These team members have been working up to fifteen years together at McKinley & Associates.

# Proximity



# Corporate Information

## Firm History

**Founded in 1981**, McKinley & Associates is a multi-discipline **full service Architectural & Engineering firm**, offering comprehensive **professional services in architecture, engineering, interior design and construction administration**. We have a broad range of skill and experience for projects involving medical, educational, governmental, commercial, religious and recreational operations. In January 2007, McKinley & Associates established a partial **Employee Stock Ownership Plan (ESOP)**, which is a benefit plan that gives our employees ownership of stock in our company. This is a **contribution to the employee**, not an employee purchase.

Charleston Area Alliance Building



McKinley & Associates' Charleston Office

Washington Trust Building



McKinley & Associates' Washington (PA) Office

## Firm Information

**David McKinley, PE**  
Principal

**Tim Mizer, PE, RA**  
Director of Operations

**Gregg Dorfner, AIA, REFP**  
Director of Architecture

**Brad Crow, PE, LEED AP**  
Director of Engineering

## Date of Incorporation

1981 Wheeling, West Virginia

## Number of Professionals

<b>Total Size</b>	<b>40+</b>
<b>Architects &amp; Interns</b>	<b>12</b>
<b>Engineers</b>	<b>6</b>
<b>Construction Admins</b>	<b>4</b>
<b>Quality Control</b>	<b>2</b>
<b>Arch./Eng. Designers</b>	<b>11</b>
<b>Interior Designer</b>	<b>1</b>
<b>MIS</b>	<b>1</b>
<b>REFPs</b>	<b>3</b>
<b>LEED APs</b>	<b>4</b>

## Locations

### Headquarters

#### The Maxwell Centre

Thirty-Two - Twentieth Street  
Suite 100  
Wheeling, West Virginia 26003  
P: 304-233-0140  
F: 304-233-4613

### Satellite Offices

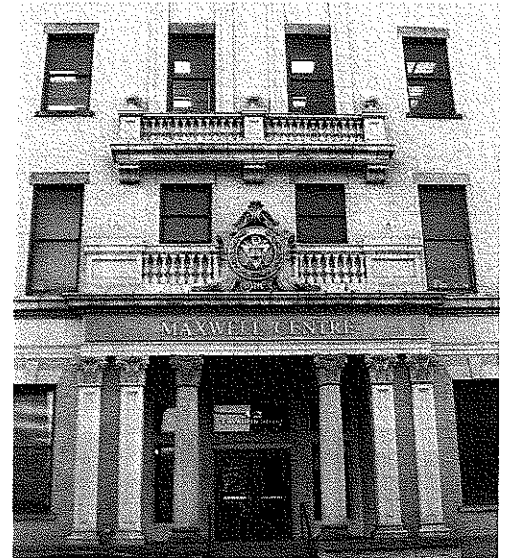
#### Charleston Area Alliance Building

1116 Smith Street  
Suite 406  
Charleston, West Virginia 25301  
P: 304-340-4267  
F: 304-340-4269

#### Washington Trust Building

6 S. Main Street  
Suite 1028  
Washington, Pennsylvania 15301  
P: 724-223-8250  
F: 724-223-8252

The Maxwell Centre



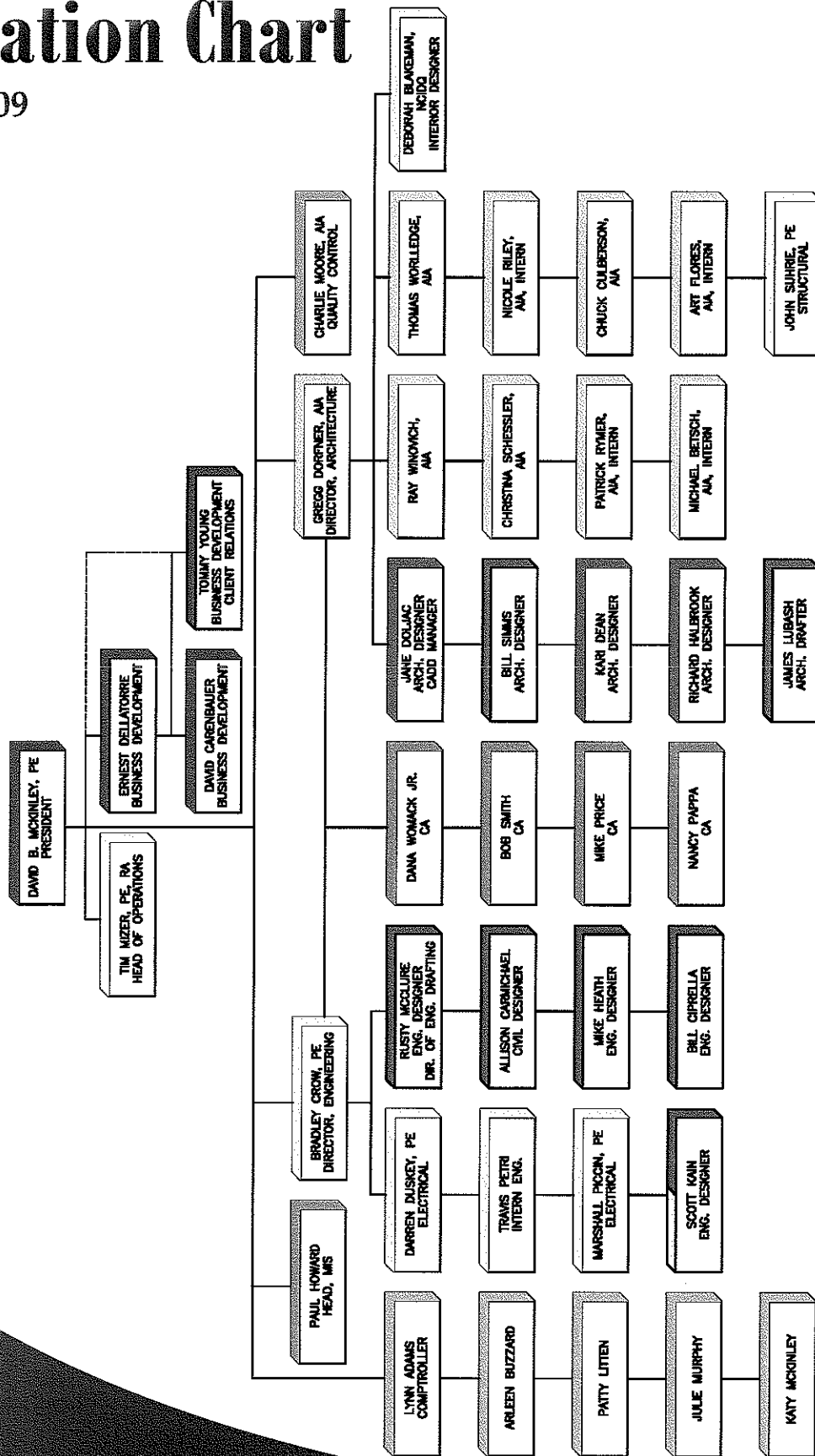
McKinley & Associates' Wheeling Headquarters

## Credentials

**McKinley & Associates** is a member of the following **organizations**:  
CEFPI, AWI, WVDC, AIA, NFPA, NCARB, ASCE, ASPE, BOCA,  
ASHRAE, ACI International

# Organization Chart

Revised 11-9-09



# Design Team

**Project Manager - Darren S. Duskey, PE**

**Engineers** — | **Darren S. Duskey, PE**  
*Electrical Engineer*  
**Bradley A. Crow, PE, LEED AP**  
*Director of Engineering Services / Mechanical Engineer*  
**Tim E. Mizer, PE, RA**  
*Director of Operations / Architectural Engineer*  
**Travis Petri, EIT**  
*Engineer Intern*

**Engineering Designers** — | **Russell McClure**  
*Senior Electrical Designer*  
**Scott D. Kain**  
*Electrical / Plumbing Engineering Designer*

**Architects** — | **Thomas R. Worlledge, AIA, LEED AP BD+C, REFP**  
**Nicole D. Riley, Assoc. AIA**

**Lighting Consultant** — **AVAILABLE** — | **Matthew Zelkowitz, IALD, LC**  
*Principal / Project Manager*  
**Steven Rosen, IALD**  
*Principal & Founder*  
**Ted Mather, LC, IALD**  
*Principal*

**Energy Efficient / (LEED) Design Aspects** — | **Bradley A. Crow, PE, LEED AP**  
*Engineering Attributes*  
**Thomas R. Worlledge, AIA, LEED AP BD+C, REFP**  
*Architectural Attributes*  
**Christina Schessler, AIA, LEED AP**  
*Architectural Attributes*  
**Michael S. Betsch, LEED AP**  
*Architectural Attributes*

**Quality Control** — | **Tim E. Mizer, PE, RA**  
**Charles T. Moore, AIA**

**Project Coordination / Construction Administration** — | **Dana E. Womack, Jr.**

## Corporate Philosophy



*Imagination* meets decades of lighting design experience. Our team of highly skilled theatrical *and* architectural designers is infused with creative vision, fueled by imagination & fired with enthusiasm.

*Compelling, Dynamic & Real*—Drama is the hallmark of our work as we transform concept into a visual fabric that is vibrant, compelling and entertaining.

*Unique* to Available Light is our years of experience working with architects, engineers and contractors to integrate theatre lighting techniques *into* permanent structures.

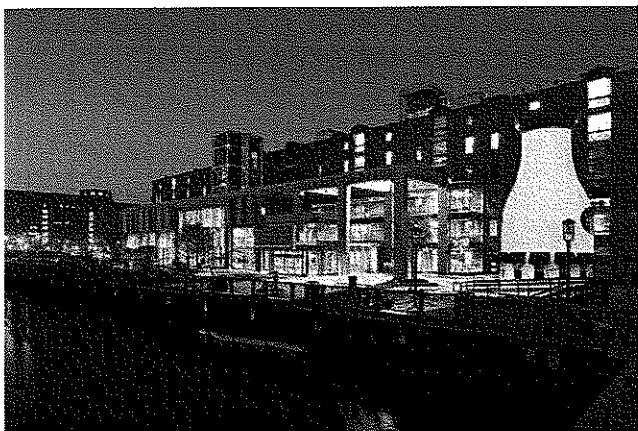
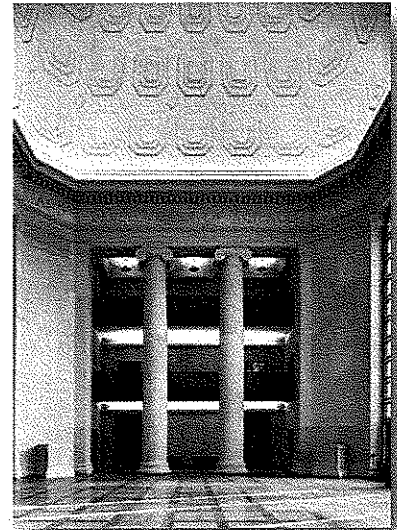
*Collaboration* is key—We work *with* our clients to transform visual concepts into unique environments.

*Sustain*—In a world increasingly focused on sustainability and managing the consumption of precious resources, Available Light is intensely focused on creating environments that consume less energy while beating the financial challenges that owners face.

## About Our Firm

Available Light is a lighting design firm working in the fields of Architecture, Museum Exhibition, and Corporate Communications. Since 1990, Available Light has created effective, innovative, and economical lighting solutions for many challenging projects around the world, ranging from medical suites to museums, from hotels to residences, from universities to corporations. We provide a set of comprehensive design services taking projects from schematic design to occupancy. Our work is tailored specifically to the needs of each project so that our clients see the best results.

Our strength lies in collaboration, creativity, and open-mindedness. We listen to our clients and help to guide them through all that is possible—both artistically and technically—from a lighting installation. The Available Light design team has combined experience in theatre, architecture, computer automation, lighting control & interface design, equipment specification, and special events production.



Our services include the entire process, from design concept through the final adjustments and focusing of the lighting equipment. We are well-versed at LEED accreditation management. Photometric calculations, daylighting studies, computer visualizations, models, and mock-ups are used to facilitate the design process. The staff is equally committed to providing the precise specifications, accurate final costs, and timely production that are essential for a successful lighting project. Our goal at Available Light is to balance creativity, strong technical solutions, and good business sense. We work as a team, to bring our skills and experience to the service of the designer's vision and to meet the owner's needs.

## Lighting Design Awards & Recognition

**2009 Themed Entertainment Association Award for Outstanding Achievement**

National Museum of the Marine Corps – Quantico VA

*Exhibit Designers:* Christopher Chadbourne & Associates

**2008 IESNA International Illumination Design Award • Northeast Regional Award**

National Museum of the Marine Corps – Quantico VA

*Exhibit Designers:* Christopher Chadbourne & Associates

**2008 Themed Entertainment Association Award for Outstanding Achievement**

Reynolds Education Center • George Washington's Mt. Vernon – Mt. Vernon VA

*Exhibit Designers:* Christopher Chadbourne & Associates and Museum Design Assoc.

**2008 IESNA International Illumination Design Award • Northeast Regional Award**

Reynolds Education Center • George Washington's Mt. Vernon – Mt. Vernon VA

*Exhibit Designers:* Christopher Chadbourne & Associates and Museum Design Assoc.

**2008 AAM Excellence in Exhibition Award**

Museum of Jewish Heritage • "Resistance" – New York NY

*Designer:* The Design Minds

**2007 Themed Entertainment Association Award for Outstanding Achievement**

U-505 Submarine • Museum of Science & Industry – Chicago IL

*Exhibit Designers:* Christopher Chadbourne & Associates, Robin Hall

**2007 Food Magazine "Best Concepts" award for Best Renovation**

Berkshire Commons Dining Hall – University of Massachusetts, Amherst MA

*Architect:* Livermore Edwards & Associates

**2006 IESNA International Illumination Design Award • Northeast Regional Award**

U-505 Submarine • Museum of Science & Industry – Chicago IL

*Exhibit Designers:* Christopher Chadbourne & Associates, Robin Hall

**2005 IESNA International Illumination Design Award • Northeast Regional Award**

America on The Move – Smithsonian/Nat'l Museum of Amer. History, Washington DC

*Exhibit Design:* Museum Design Associates

**2005 Index Award—Design to Improve Life**

Time Warner Center • "Prow" Light Sculpture – New York NY

*Client:* Holiday Image

**2005 IESNA International Illumination Design Award • Northeast Regional Award**

150<sup>th</sup> Anniversary of the Horseshoe Curve – Altoona PA

*Clients:* Osram Sylvania & Norfolk Southern Railroad

**2005 IESNA International Illumination Design Award • New England Section**

Sony Wonder Technology Laboratory – New York NY

*Architect & Exhibit Design:* Lee H. Skolnick Architecture + Design Partnership

**2005 IESNA International Illumination Design Award • New England Section**

Bain & Company Corporate Interior – Boston MA

*Architect:* Gensler

**2004 Boston Society of Architects • Healthcare Facilities Design Award**

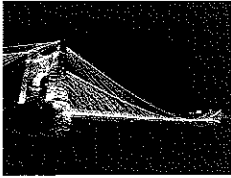
- Daniel & Grace Tully and Family Health Center – Stamford CT**  
 Honor Award for Design Excellence  
*Architect: TRO/The Ritchie Organization*
- 2003 International Association of Lighting Designers • Radiance Award**  
*Awarded to the highest scoring project, worldwide, submitted in 2003*  
 MIT Building 7 – Cambridge MA, *Award is for the best project submitted in 2003*  
*Client: Einhorn Yaffee Prescott*
- 2003 IESNA International Illumination Design Award • New England Section**  
 Genuity Network Operations Center – Woburn MA  
*Architect: Dimella•Schaffer Architects*
- 2003 IESNA International Illumination Design Award • National Award of Merit**  
 MIT Building 7 – Cambridge MA  
*Client: Einhorn Yaffee Prescott*
- 2003 Lumen Award**  
 Basketball Hall of Fame – Springfield MO  
*Client: Entolo, Inc.*
- 2003 IESNA International Illumination Design Award • New England Section**  
 Genetics Exhibit • Museum of Science & Industry – Chicago IL  
*Client: MSI Chicago • Exhibit Designer: B+B Design*
- 2002 Lighting Dimensions Magazine Lighting Designer of the Year**  
 For outstanding achievement in Museum Exhibition Lighting Design  
*Recipient: Steven Rosen, IALD*
- 2002 Themed Entertainment Assoc. Award for Outstanding Achievement**  
 International Spy Museum – Washington DC  
*Client: Gallagher & Associates*
- 2001 International Illumination Design Award • National Award of Merit**  
 MIT Building 7 – Cambridge MA  
*Client: Einhorn Yaffee Prescott*
- 2001 Themed Entertainment Association Award for Outstanding Achievement**  
 Autostadt • Volkswagen AG – Wolfsburg Germany  
*Exhibit Designer: Jack Rouse Associates*
- 2001 IESNA International Illumination Design Award • National Award of Merit**  
 Autostadt • Volkswagen AG – Wolfsburg Germany  
*Exhibit Designer: Jack Rouse Associates*
- 2001 Themed Entertainment Association Award for Outstanding Achievement**  
 Great Platte River Road Memorial Archway Monument – Kearney NE  
*Exhibit Designer: Christopher Chadbourne & Associates*
- 2001 IESNA International Illumination Design Award • National Award of Merit**  
 Great Platte River Road Memorial Archway Monument – Kearney NE  
*Exhibit Designer: Christopher Chadbourne & Associates*
- 2001 IESNA International Illumination Design Award • New England Section**



- New England Aquarium • Nyanja! – Boston MA**  
*Exhibit Designer:* New England Aquarium
- 1999 IESNA International Illumination Design Award • National Award of Merit**  
**Tech Museum of Innovation – San Jose CA**  
*Exhibit Designer:* Tech Museum of Innovation
- 1999 IESNA International Illumination Design Award • New England Section**  
**Center for Interactive Learning – Sinclair Community College, Dayton OH**  
*Architect:* Lorenz + Williams Associates  
*Exhibit Design:* Krent/Paffett Associates & Design + Communication
- 1999 IESNA International Illumination Design Award • New England Section**  
**Kellogg's Cereal City USA – Battle Creek MI**  
*Exhibit Designer:* Jack Rouse Associates
- 1998 IESNA International Illumination Design Award • National Award of Merit**  
**The Jazz Museum at 18th & Vine – Kansas City MO**  
*Exhibit Designer:* Joseph A. Wetzel Associates
- 1998 IESNA International Illumination Design Award • New England Section**  
**Bose Corporation Campus West Auditorium – Boston MA**  
*Architect:* Pisani + Associates Architects
- 1998 IESNA International Illumination Design Award • New England Section**  
**Carolina Ice Palace – Charleston SC**  
*Client:* Charleston Grip & Electric • *Architect:* LS3P
- 1997 IESNA International Illumination Design Award • New England Section**  
**Coca-Cola Olympic City Discovery Tent • 1996 Olympics – Atlanta GA**  
*Designer:* Krent/Paffett Associates
- 1997 IESNA International Illumination Design Award • New England Section**  
**Fleet Center – Boston MA**  
*Client:* BN Productions
- 1997 IESNA International Illumination Design Award • New England Section**  
**Crayola Factory • Palette Power Exhibit – Easton PA**  
*Client:* Crayola Factory
- 1996 IESNA International Illumination Design Award • National Award of Merit**  
**SportsLab • National Tour & Coca-Cola Olympic City – San Francisco CA**  
*Designer:* Krent/Paffett Associates

# National Register of Historic Places

*Our firm has completed a variety of projects, which serve to illustrate the creative and talented nature of our professional design staff. The following examples are chosen to exhibit an assortment of projects we have successfully completed that are listed on the National Register of Historic Places:*



Wheeling Suspension Bridge relighting

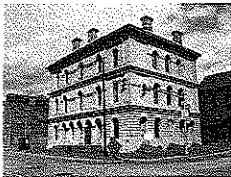
*Wheeling, WV*

Customer: Wheeling National Heritage Area Corporation

Project Cost: \$285,000

Reference: Hydie S. Friend

304/232-3087



WV Independence Hall (former Wheeling Custom House)

*Wheeling, WV*

Customer: West Virginia Division of Culture & History

Project Cost: \$1.2 million

Reference: Travis Henline

304/238-1300



B. & O. Building (formerly a passenger station)

*Wheeling, WV*

Customer: West Virginia Northern Community College

Project Cost: \$1.8 million

Reference: Dr. Martin Olshinsky

304/233-5900



Parkersburg High School

*Parkersburg, WV*

Customer: Wood County Schools

Project Cost: \$20.3 million

Reference: William Niday

304/420-9663



Mount Saint Joseph convent

*Wheeling, WV*

Customer: Sisters of St. Joseph

Project Cost: \$5.5 million

Reference: Sister Marguerite O'Brien

304/232-8160

# National Register of Historic Places

*(continued) The following represents our renovation work on buildings on the National Register:*



404 South Front Street (Harry C. and Jessie F. Franzheim House)

*Wheeling, WV*

Customer: McKinley & Associates

Project Cost: \$300,000

Reference: David B. McKinley

304/233-0140



203 South Front Street (John McLure House)

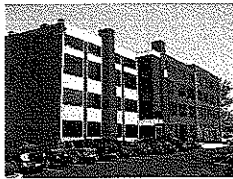
*Wheeling, WV*

Customer: McKinley & Associates

Project Cost: \$300,000

Reference: David B. McKinley

304/233-0140



Orrick Global Operations Center (former Wheeling Stamping Building)

*Wheeling, WV*

Customer: Orrick, Herrington & Sutcliffe LLP

Project Cost: \$8 million

Reference: Will Turani

304/231-2629



Wagner Building (formerly a sugar warehouse)

*Wheeling, WV*

Customer: The Maxwell Partners

Project Cost: \$6.2 million

Reference: Dennis Kozicki

304/232-2280



Maxwell Centre (formerly a YMCA)

*Wheeling, WV*

Customer: The Maxwell Partners

Project Cost: \$2.3 million

Reference: Dennis Kozicki

304/232-2280

# National Register of Historic Places

*(continued) The following represents our renovation work on buildings on the National Register:*



Capitol Theatre (former Capitol Music Hall)

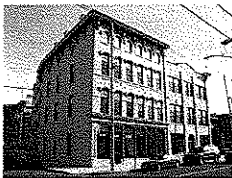
*Wheeling, WV*

Customer: Wheeling Convention & Visitors Bureau

Project Cost: \$1.2 million

Reference: Frank O'Brien

304/233-7709



Catholic Heritage Center (formerly an auto parts warehouse)

*Wheeling, WV*

Customer: Catholic Diocese of Wheeling / Charleston

Project Cost: \$2.9 million

Reference: Darryl Costanzo

304/233-0880



304 South Front Street

*Wheeling, WV*

Customer: McKinley & Associates

Project Cost: \$275,000

Reference: David B. McKinley

304/233-0140



400 South Front Street

*Wheeling, WV*

Customer: McKinley & Associates

Project Cost: \$250,000

Reference: David B. McKinley

304/233-0140



402 South Front Street

*Wheeling, WV*

Customer: McKinley & Associates

Project Cost: \$200,000

Reference: David B. McKinley

304/233-0140

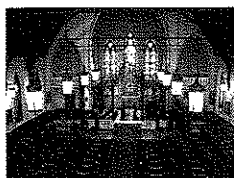
# National Register of Historic Places

*(continued) The following represents our renovation work on buildings on the National Register:*



Willow Glen (Johnson Camden McKinley House)  
Wheeling, WV

Customer: David B. McKinley  
Project Cost: \$1 million approx.  
Reference: David B. McKinley  
304/233-0140



St. Matthews Episcopal Church  
Wheeling, WV

Customer: St. Matthews Episcopal Church  
Project Cost: \$500,000  
Reference: The Rev. Mark E. Seitz  
304/233-0133



Phillips Gardill Kaiser & Altmeyer  
Wheeling, WV

Customer: Phillips Gardill Kaiser & Altmeyer  
Project Cost: \$500,000  
Reference: C. J. Kaiser  
304/232-6810

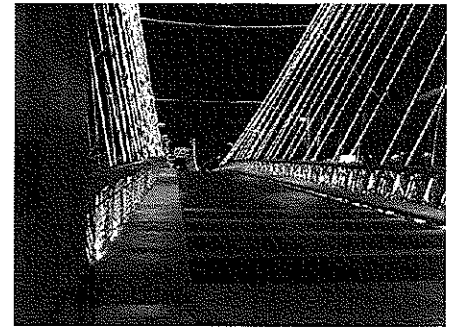


Bennett Square (former Ohio County Public Library Building)  
Wheeling, WV

Customer: McKinley Properties, LLC  
Project Cost: \$6.8 million  
Reference: David H. McKinley  
304/230-2400

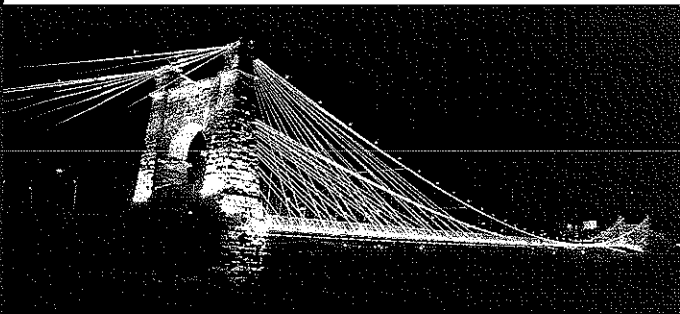
# Wheeling Suspension Bridge relighting

Authorized by Congress in 1992, a local organization was founded in Wheeling, West Virginia to administer a model downtown revitalization plan funded by the federal government. The Wheeling National Historic Area Corporation has subsequently implemented a major relighting of Charles Ellet's historic Suspension Bridge. This undertaking required a clear understanding of historic preservation protocols, a strong sense of the engineering elements in the National Landmark, and a pragmatic design with sensitivity for maintenance and operations. The Suspension Bridge was constructed in 1849 and known as the first bridge across the Ohio River. For a period of time it was the longest suspension bridge in the world. It still provides vehicular and pedestrian access to Wheeling Island.



Recognized for its extensive historic preservation background and with a large staff of in-house engineers and architects, McKinley and Associates, Inc. of Wheeling was selected to undertake the task. Drawing from their preservation experiences, the engineers and architects focused on the four major elements of the bridge:

- massive stone, arched piers at each end;
- graceful catenary cables;
- delicate suspension wires; and a
- rigid wooden Howe truss.



McKinley and Associates developed a lighting scheme that used four different means of illumination - each intended to highlight and isolate the differing structural elements yet emphasize their interdependency.

**Stone Arched Piers:** Although structurally sound, the stone piers have discolored and darkened due to the effects of exposure over the past 150 years. Attempts to clean the stone to its original appearance were not successful. Also to overcome the objection of light interfering with vehicle and pedestrian traffic, the fixtures were inconspicuously mounted on the piers and cables.

To illuminate the east and west elevations of the towers, 1000 watt metal halide fixtures were used at a mounting height of approximately nine feet above grade. The wide beam spread does an effective job of illuminating the inside archway in addition to lighting the tower faces. The north and south sides of the towers are illuminated with 400 watt narrow beam metal halide fixtures. The upper portions of the towers and decorative features are highlighted with four medium beam and two narrow beam 250 watt metal halide fixtures for each of the eastern and western approaches.

**Catenary Cables:** Newspaper accounts from 1849 mentioned the use of numerous candles atop the two main cables gracefully swung between the stone piers; consequently to replicate this "necklace effect", incandescent fixtures with amber-colored globes were installed along the nearly one half mile of cables. To help ensure long lamp life and reduce maintenance costs, the circuit voltage to these incandescent lamps was reduced 10% utilizing an autotransformer.

**Suspension Wires:** Support for the roadway consists of wire cables extending from the catenary cables and piers to the sidewall trusses. The vertical distances vary from 3 feet to 70 feet. To illuminate these cables as well as the underside of the catenary cables and provide a uniform light level, metal halide fixtures of 400, 250, and 100 watt were unobtrusively installed.

**Wooden Trusses:** Soft, low intensity but continuous illumination was chosen for the heavy wooden Howe trusses on each side of the roadway. Fluorescent fixtures were installed end to end to create a virtually solid band of light from one shoreline to the next and focused on the trusses.

Marshall J. Piccin, P.E. was the Project Manager for McKinley and Associates and the contractor was Bayliss and Ramey, Inc. of Dunbar, West Virginia. The dedication of the lighting project was the highlight of a weeklong of festivities in downtown Wheeling. All the news account attribute that it was a most successful venture and underscores the historical significance of the bridge not only to Wheeling but to the westward expansion of the nation.



# WV Independence Hall

Wheeling, West Virginia

**Owner**

WV Division of Culture & History

**Size**

22,000 SF approx.

**Construction Cost**

\$1.2 mil. approx.

**Project Architects-Engineers**

McKinley & Associates

**Project Architect**

Christina Schessler, AIA

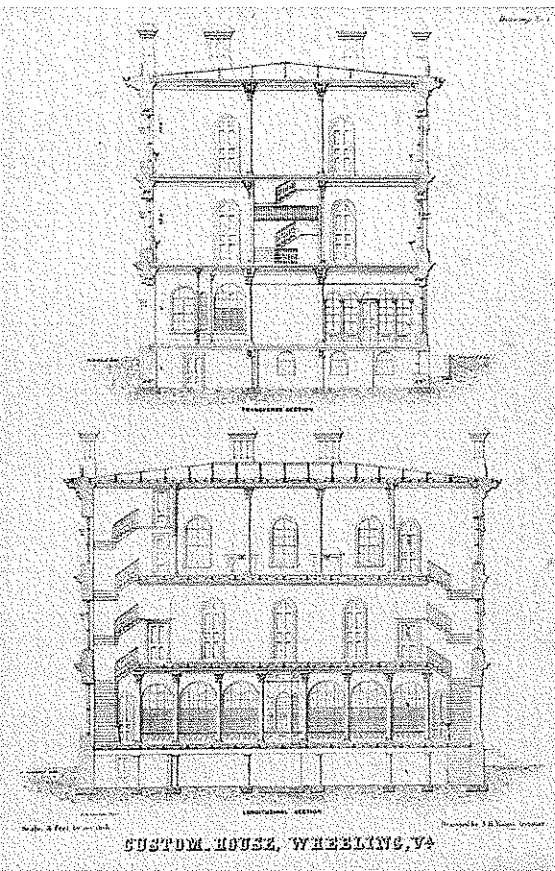
**Contractors**

H.E. Neumann Co.

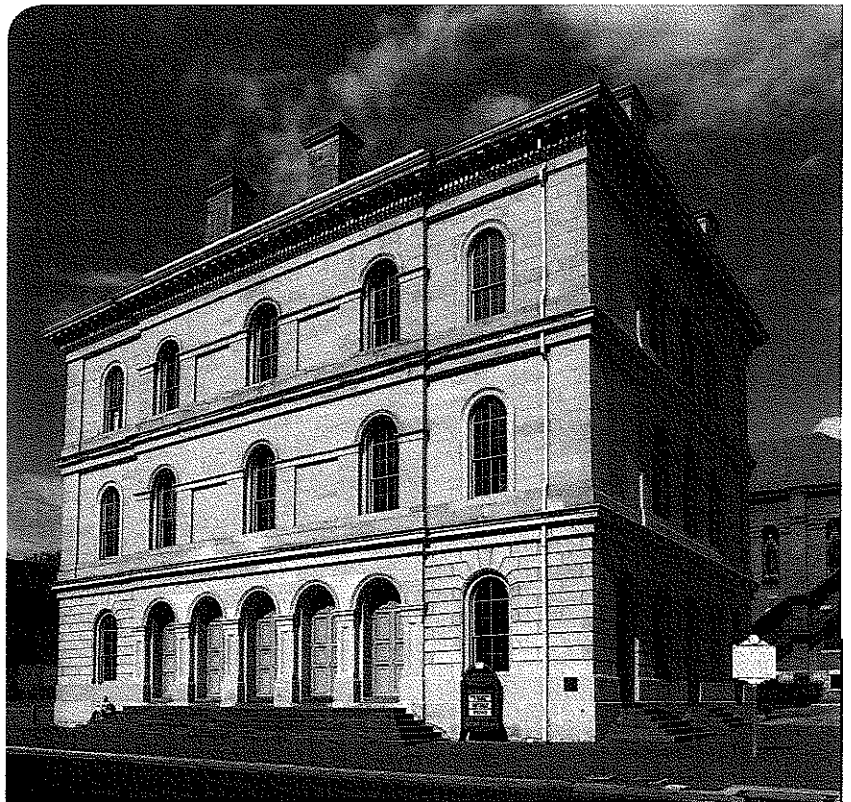
Originally built in 1859, the Wheeling Custom House is considered to be the birthplace of West Virginia. The building, now appropriately renamed West Virginia Independence Hall, was added to the National Register of Historic Places in 1970, and was designated as a National Historic Landmark in 1988.

The building is now in its 151st year and is being restored by McKinley & Associates. This renovation consists of a new 5,000 SF standing seam metal roofing system emblematic of the period of 1859 when the original structure was completed, a new HVAC system, and a historic window restoration (44 windows; 5'W x 9'H with an arched top sash). In addition, an approximately 22,000 SF fully automatic sprinkler system and fire alarm detection system will be installed: the piping and conduit for these systems is designed to be completely concealed within the existing walls and ceilings. Plaster repair work to the ceilings and decorative mouldings will improve the condition of many of the interior spaces after the rough-in work for the sprinklering and fire alarm is complete. This also includes 1" plaster on multi-wythe masonry walls.

McKinley & Associates conducted on site analysis during field visits to document and confirm as much of the existing conditions as possible short of destructive investigation. The windows, roofing and interior surfaces were studied to determine an appropriate level of restoration suitable to and consistent with the Owners budget and on-site staff recommendations. These projects will maintain the historic character of the interior.



CUSTOM HOUSE, WHEELING, VA



# Parkersburg High School Wood County Schools

## Parkersburg, West Virginia

Owner  
Wood County Schools

Size  
254,000 SF approx.

Construction Cost  
\$19 million

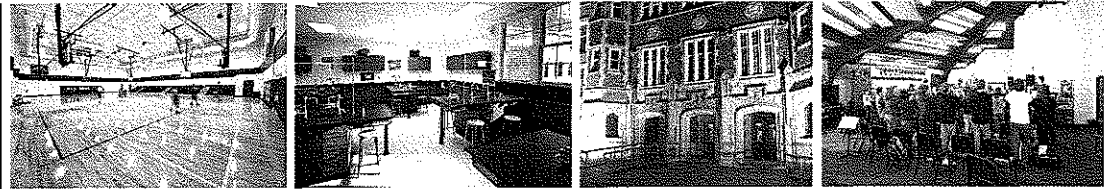
Project Architects-Engineers  
McKinley & Associates

Project Architect  
Thomas R. Worledge, AIA

Contractor  
Grae-Con Construction

Parkersburg High School was founded in 1867, and was one of the first high schools in the state of West Virginia. The current building housing is a Tudor style structure with three stories housing over 38,000 SF. It was built in 1917, making it one of the oldest school buildings in West Virginia and it is one of the largest high school campuses in the state. The original building features extensive stone work and exquisite interior plaster work detailing. The renovation project encompassed all of the original building, an addition of a three story science and cafeteria wing and an auxiliary gymnasium for a total cost of 20 million dollars.

In 2005, a bond issue was passed to upgrade all the high schools in the county; in the fall of 2008, the work was complete. Being a historic school with a strong alumni association, it was paramount that the original historic caricature of the building remained intact. Our design protected the grand front façade in favor of small additions to the rear of the building. We carefully matched the profiles of the stone and matched the brick to give a seamless transition from the old and new structure on the exterior. Many meetings were held with the state historic association and the alumni to insure the building would not be disfigured by the renovations and additions.



The interior of the building needed major upgrades including a new electrical system (an upgrade to the electrical service, including medium voltage distribution, and renovation work), a new HVAC system, fire protection upgrades and major interior space planning to meet a modern high school's needs. The HVAC system required that we put louvers through the wall. We designed a custom grill colored to match the brick to conceal the intakes.



# Maxwell Centre

## Wheeling, West Virginia

Owner  
The Maxwell Partners

Size  
51,000 SF approx.

Construction Cost  
\$2.3 million

Project Architects-Engineers  
McKinley & Associates

Project Architect  
Denis Gill, AIA

Contractors  
Walters Construction

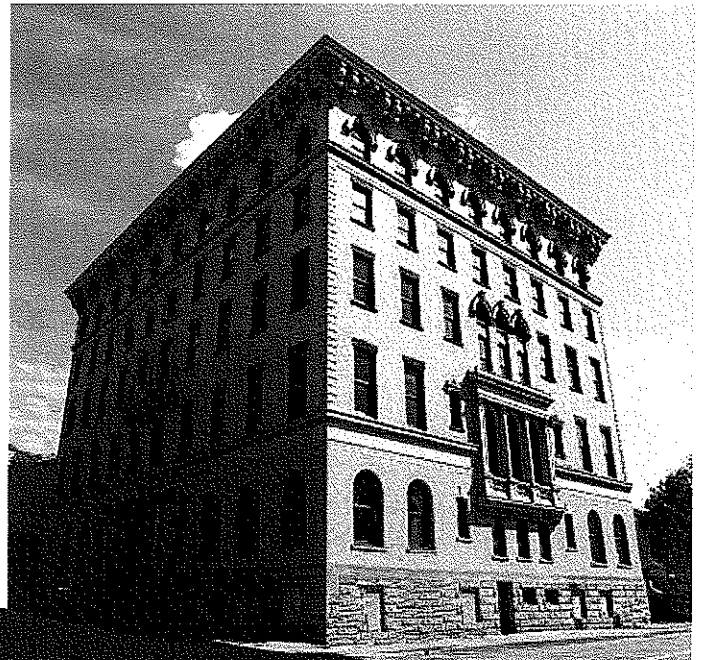
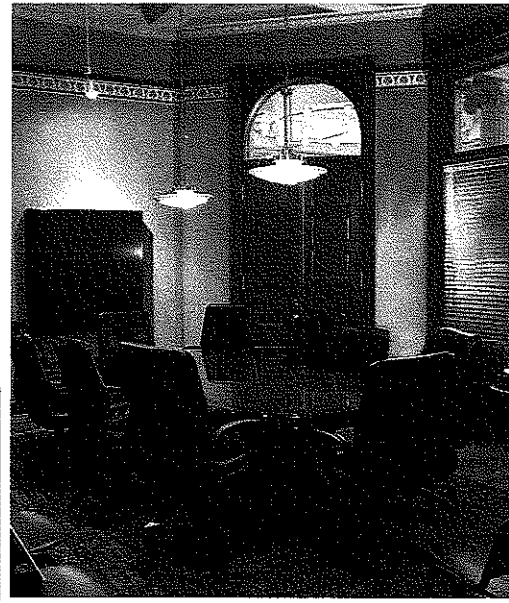
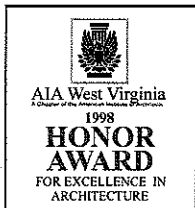
Work on this **five story building** included researching the architectural **past** as well as all new systems, including; mechanical, electrical, plumbing and fire and life safety. All design work and construction administration was completed by our firm. It was recognized and awarded a **West Virginia AIA Honor Award**, a Governors Award for Historic Preservation, a Friends of Wheeling - Architectural Preservation Award, a Wheeling Victorian Society - Property Improvement Award for Adaptive Reuse, a Civitans Award - Grand Victorian Property Improvement Award, a City Council & Mayor's Award for Preservation, and a City of Hope Preservation Award - Liturgical Group.

The Maxwell Centre is now Wheeling's premier business address. In just over a year, **this former YMCA facility** is the home for over 100 professionals in two law firms, an accounting company, and McKinley & Associates.

Dedicated to saving the past and long known as one of the state's leading historic preservation firms, **McKinley & Associates** led the way for this total renovation and restoration of a 1908 structure. The Maxwell Centre represents the firm's latest effort in **protecting the historic fabric of Wheeling.**



**BEFORE  
and AFTER**



# Orrick Building

Wheeling, West Virginia

Owner  
Orrick Corporation

Size  
88,000 SF approx.

Construction Cost  
\$8 million

Project Architects-Engineers  
McKinley & Associates

Project Architect  
David B. McKinley, PE

Contractors  
John Russell Construction



This four-story, 88,000 SF former historic warehouse is now "Class A" office space in downtown Wheeling. The building houses the international law firm Orrick. This 100 year old warehouse was renovated to create some of the most creative office space in the State. Architecture and engineering design was completed in-house and included structural, mechanical/HVAC, civil, electrical and fire suppression systems. The project cost was in excess of \$8 million dollars and won the AIA Merit Award. The atrium/lobby included a four-story open-air design, a skylight, a glass wall for the entryway, 2 elevators, a stair tower, and multiple bridges/walkways. The project cost was in excess of \$8 million dollars and won the AIA Merit Award. This building became the company's Global Operations Center; no other firm has a 24/7 facility that rivals it. The GOC provides the firm and its clients with a central business infrastructure that delivers comprehensive and reliable support services around the world, around the clock.



# Capitol Theatre

Wheeling, West Virginia

## Owner

Wheeling Convention & Visitors Bureau

## Size

82,000 SF approx.

## Construction Cost

\$1.2 mil.

## Project Architects-Engineers

McKinley & Associates

## Project Architect

Gregg Dorfner, AIA

## Contractors

Brewer and Company

United Electric

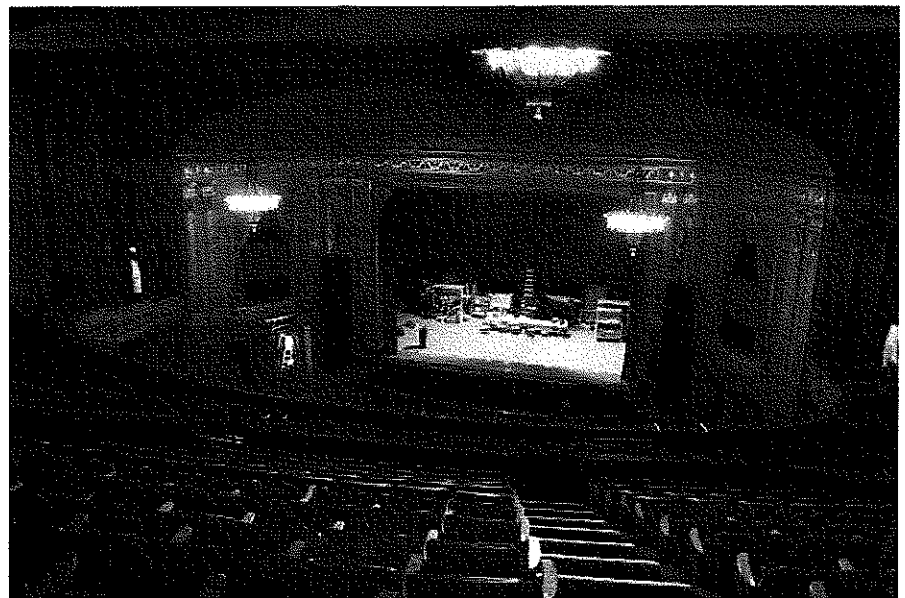
Walters Construction Co.

Grae-Con Construction

The **Capitol Theatre** (also known as the Capitol Music Hall) was **originally built in 1928**. In 2007, it was closed due to code violations. Two years later, the theater was bought by the Wheeling Convention & Visitors Bureau, and McKinley & Associates was honored to become the Architects and Engineers on this restoration project. **The theater reopened on September 23, 2009.**

Phase 1 of Capitol Theatre restoration included **life safety and code improvements** to the historic building directly related to the facilities re-opening. McKinley & Associates worked with several groups having authority over the building to work out a plan that met both the life safety requirements and the time constraints of the owner. A final plan was put into place that included 5 separate prime contracts **fast tracked** to achieve reopening of the theatre. With a **tight schedule of 6 months** from master planning to occupancy, a **hands on approach** was used to ensure the historic fabric of this building was maintained while these improvements were implemented.

Improvements in Phase 1 included, **full building sprinklering, two six foot wide 5 story free standing exit stairs with a scissor configuration, full building fire alarm, temporary bathrooms, and a concession and restroom build out.** We have also completed the design for the Phase 2 master plan.



# ARRA / Stimulus Experience

The following examples are chosen to exhibit an assortment of our American Recovery and Reinvestment Act (ARRA) projects:



## Williamson Campus HVAC / *Williamson, WV*

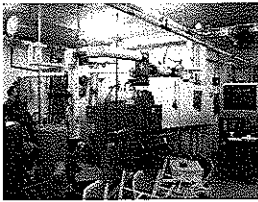
Customer: Southern WV Community and Technical College

Project Cost: \$500,000

Date of Completion: August 2010

Reference: Rita Roberson

304/236-7648



## Wyoming/McDowell Campus HVAC / *Pineville, WV*

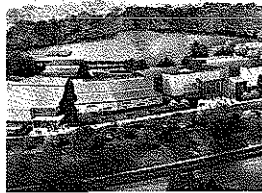
Customer: Southern WV Community and Technical College

Project Cost: \$200,000

Date of Completion: August 2010

Reference: David Lord

304/294-2010



## Cameron Middle School / High School *Cameron, WV*

Customer: Marshall County Schools

Project Cost: \$27 million

Date of Completion: In construction

Reference: Fred Renzella

304/843-4405



## Oak Glen High School HVAC / *New Cumberland, WV*

Customer: Hancock County Schools

Project Cost: \$2.2 million

Date of Completion: In construction (September 2010)

Reference: Suzan Smith

304/564-3411



## New Martinsville School HVAC / *New Martinsville, WV*

Customer: Wetzel County Schools

Project Cost: \$2.5 million

Date of Completion: August 2010

Reference: William Jones

304/455-2441

# ARRA / Stimulus Experience



Maysville Elementary School HVAC / *Maysville, WV*

Customer: Grant County Schools

Project Cost: \$740,000

Date of Completion: In construction (October 2010)

Reference: Brent Nelson

304/257-1011



SVRTA Administrative and Maintenance Complex roof / *Steubenville, OH*

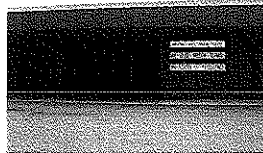
Customer: Steel Valley Regional Transit Authority

Project Cost: \$225,000

Date of Completion: In construction (September 2010)

Reference: Frank Bovina

740/282-6145



Arthur I Boreman Elementary School HVAC / *Middlebourne, WV*

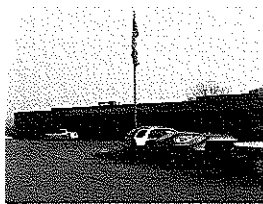
Customer: Tyler County Schools

Project Cost: \$1.1 million

Date of Completion: August 2010

Reference: Jeff Davis

304/758-4566



Sistersville Elementary School HVAC / *Sistersville, WV*

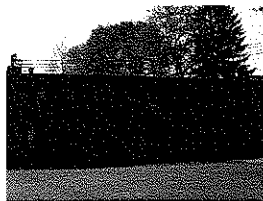
Customer: Tyler County Schools

Project Cost: \$1 million

Date of Completion: August 2010

Reference: Jeff Davis

304/758-4566



Middlebourne Pre-K HVAC / *Middlebourne, WV*

Customer: Tyler County Schools

Project Cost: \$443,000

Date of Completion: August 2010

Reference: Jeff Davis

304/758-4566



Madison Elementary School HVAC / *Wheeling, WV*

Customer: Ohio County Schools

Project Cost: \$4.6 million

Date of Completion: In construction (December 2010)

Reference: George Krelis

304/242-0300

## Representative Design Credits

### ARCHITECTURE

COMMERCIAL • EXTERIOR/SITE • INSTITUTIONAL • RESIDENTIAL

#### IN PROGRESS

**Norfolk Consolidated Courthouse** – Norfolk VA

Lighting design for regional courthouse

*Architect:* Fentress Architects

**Princeton Theological Seminary** – Princeton NJ

Lighting design for library expansion and renovation

*Architect:* Einhorn Yaffe Prescott

**St. Paul's School • Science & Math Building** – Concord NH

Lighting design for new chapel building

*Architect:* Kallman McKinnell & Wood

**Cleveland Museum of Natural History** – Cleveland OH

Lighting design for major architectural renovation and addition

*Architect:* Fentress Architects

**Penn State Hershey Medical Ctr. Children's Hospital** – Hershey PA

Lighting design for new children's hospital

*Architect:* Payette

**National Museum of the Marine Corps** – Quantico VA

Lighting design for second phase of architectural build out including Imax Theater, Offices, Cafeteria, Exhibit Galleries, Site Lighting, etc.

*Architect:* Fentress Architects

**Mississippi Children's Museum** – Jackson MS

Architectural lighting design for new building

*Architect:* Canizaro Cawthorn Davis

**Children's Hospital Boston** – Boston MA

Architectural lighting design for façade and park

*Architect:* Payette / *Landscape Architect:* LANDworks

#### COMPLETED

**Penn State Hershey Medical Center Cancer Institute** – Hershey PA

Lighting design for new cancer institute

*Architect:* Payette

**Semper Fidelis** – Quantico VA

Lighting design for new chapel building

*Architect:* Fentress Architects

**Castello de Casole** – Tuscany, Italy

Lighting design for hotel, villa & spa

*Developer:* Timbers Resorts

*Interior Designer:* J Banks

**New England Aquarium** – Boston MA

Architectural lighting design for new sea lion pavilion

*Architect:* McManus Architects, Inc.

**University of Massachusetts/Amherst • Science Building** – Amherst MA

Lighting design for new classroom, labs and public spaces building

*Architect:* Payette

**Sprint Studio** – Kansas City MO

Lighting design for new flagship store in the Power & Light District

*Designer:* Continuum / *Architect:* Rees Masilionis Turley

**The Franklin Institute – Philadelphia PA**

Lighting design and programming for new multi-media lighting system in the historically renovated Franklin Hall Rotunda

*Architect:* E. Verner Johnson Architects

**Walgreens Times Square Flagship Store – New York NY**

Lighting design for major architectural and “Architainment” installation

*Architect:* Lee Levine Architects

**Expressway Toyota – Boston MA**

Lighting design for new car dealership

*Architect:* Livermore Edwards Associates

**AT&T – Bedminster NJ**

Architectural lighting design for new Executive Briefing Center

*Designer:* Orchard Park

**John F. Kennedy School of Government – Harvard University, Cambridge MA**

Lighting design for architectural renovation of all conference spaces

*Architect:* Baker Design Associates

**Center for Life Science Boston – Boston MA**

Lighting design for new 18 story medical research tower & facade

*Architect:* Tsoi Kobus

**Ministry of Education – Kuwait**

Lighting design for site, and all public spaces of 500,000+ sq. ft. building

*Architect:* Cambridge Seven Associates

**BB King Museum and Delta Interpretive Center – Indianola MS**

Lighting design for new and historically renovated architecture

*Architect:* CCD Architects

**Smith Barney – Warren NJ**

Lighting design for new office complex

*Architect:* Baker Design Group

**The Cloister Hotel & The Spa at Sea Island – Sea Island GA**

Lighting design for five-star premiere full service spa.

*Architect:* Peter Capone Associates

**Sony Style Stores – National Program**

Computer automated kinetic entryway signage program for national roll out of Sony Style stores. Installations nationwide

*Client:* Sony Corporation

**Liberty Science Center – Jersey City NJ**

Lighting design for building renovation plus 85,000 sq. ft. new wing.

*Architect:* Ewing Cole

**Boston Children’s Museum – Boston MA**

Lighting design for both new wing & building renovation

*Architect:* Cambridge Seven Associates

**The Mayflower Hotel – Washington DC**

Lighting & Controls renovation of ballrooms, restaurants and public spaces

*Interior Design:* Pamela Hughes & Associates

**Northeastern University • President’s Office – Boston MA**

Lighting design for new installation

*Architect:* Cambridge Seven Associates

**Private Residences – Massachusetts, New Hampshire, Connecticut, Paris**

Lighting design & Control Systems for private residential clients

*Client:* Multiple

**Geology Building, Amherst College – Amherst MA**

Architectural lighting for new research, classroom & museum center

Architect: Payette & Associates

**Harvard Business School • Aldrich Hall – Boston MA**

Lighting renovation of 9 lecture/distance learning rooms + circulation

Architect: Baker Design Group

2006 International Illumination Design Award

**Steuben Glass Store – New York NY**

Lighting design for renovated flagship store on Fifth Avenue

Architect: Corning Glass/Steuben

**Northeastern University • Alumni Center – Boston MA**

Lighting design for new installation full service center

Architect: Cambridge Seven Associates

**Berkshire Dining Hall • University of MA – Amherst, MA**

Lighting design for renovated student dining hall and recreation center

Architect: Livermore, Edwards and Associates

**Bain & Co. – Boston MA**

Lighting design for new multi-floor corporate office environment

Architect: Gensler

2005 International Illumination Design Award

**Time Warner Center – New York NY**

Lighting design for new "Prow" Light Sculpture

Client: Holiday Image

2005 Index Award—Design to Improve Life

**Dining Hall Facility • Univ. of Connecticut – Storrs, CT**

Lighting design for new conference center, dining hall, student services facility

**Osram Sylvania – Light Point, Danvers MA**

Theatrical lighting & controls design for corporate educational center

Client: Osram Sylvania

**Unilever • Four Acres – London, England**

Lighting design for both renovation and new construction at corporate training center.

Architect: Baker Design Group

**Norwood Subaru – Norwood MA**

Lighting design for all car dealership public spaces

Architect: Livermore, Edward & Associates Inc.

**Faulkner Hospital – Boston, MA**

Lighting design for hospital dining servery

Architect: MacManus Peterman

**Dining Hall • University of Connecticut – Storrs, CT**

Lighting design for student dining hall

Architect: Livermore, Edward & Associates Inc.

**Bryan Center • Duke University – Durham NC**

Lighting design for Student Center renovation

Architect: Livermore, Edward & Associates Inc.

**MIT Building 7 – Cambridge MA**

Historic lighting & control systems renovation for main domed entrance

Client: Einhorn Yaffee Prescott

2003 International Association of Lighting Designers 'Radiance' Award

2003 International Illumination Design Award



**The Lodge at Sea Island – Sea Island GA**

Lighting design for five-star premiere resort.

*Architect:* Peter Capone and Architectural Design Group

**Art Technology Group – Cambridge, San Francisco, London, Waltham, Chicago, Hamburg, LA - Lighting design for new high tech internet company.**

*Architect:* Baker Design Group

**Busch Gardens Williamsburg • Irish Village – Williamsburg VA**

Exterior, themed retail shops and a restaurant for expansion.

*Client:* Peckham, Guyton, Albers & Viets, Inc.

**Genuity – Woburn MA**

Lighting design for new Network Operations Center, training rooms, offices, marketing areas, public circulation, etc.

*Architect:* Dimella • Schaffer Architects

*2003 International Illumination Design Award*

**Faulkner Hospital**

Lighting design for a hospital radiation department renovation.

*Architect:* MacManus Peterman

**Stanford University • Schwab Center – Stanford CA**

New special event lighting and control systems for three exterior courtyards

*Client:* Graduate School of Business

**NASDAQ – New York NY**

Lighting design for new Marketsite Theater

*Designer:* Gallagher & Associates

**Sinclair Community College • Dining Hall Renovation – Dayton OH**

Lighting design for renovation of dining hall.

*Architect:* Lorenz + Williams

**Stamford Health System – Stamford CT**

- **Health Services Center** - Lighting design for health center renovation (public circulation & lobby spaces, multi-purpose auditorium, fitness center, natatorium, site/façade lighting)

*Architect:* The Ritchie Organization

- **Specialty Care Pavilion** - Lighting design for new health center (includes neonatal intensive care unit, labor/delivery/recovery rooms, postpartum suites, examination rooms, site/façade lighting, public circulation/lobby)

*Architect:* The Ritchie Organization

**Miami Valley Research Park/1900 Founder's Drive- Dayton OH**

Lighting renovation of public lobbies and circulation spaces

*Architect:* The Architectural Group

**The GAP – New York City, Santa Monica, San Francisco, Harajuku Japan**

Lighting design to accompany high tech multimedia interactive exhibits

*Architect:* Baker Design Group

**Center for Interactive Learning – Sinclair Community College, Dayton OH**

Lighting, special effects and control systems for new educational research and worker retraining facility (includes "Virtual" Skylight, auditorium, lecture halls, classrooms, broadcast studios, teleconference rooms, computer labs and interactive exhibit stations)

*Architect:* Lorenz + Williams Associates • *Exhibit Design:* Krent/Paffett Associates & Design + Communication

*1999 International Illumination Design Award*

**Kilpatrick Library – Central Missouri State University, Warrensburg MO**

Specialty lighting for elevator lobby and public circulation core

*Architect:* Shepley Bulfinch Richardson and Abbott

**Emerson's Restaurant – Boston MA**

Specialty lighting design for front entrance of new downtown café  
*Architect: Darlowe Christ Architects, Inc.*

**Jordan's Furniture – Natick MA**

Theatrical lighting design and special effects for *Mardi Gras* fx, an entertainment extravaganza presentation. Also, provided lighting schematic and layout for 100,000+ square foot furniture retail store  
*Client: Jordan's Furniture*

**Dartmouth College – Dartmouth NH**

Lighting and control systems for both an executive-level video conferencing boardroom & a suite of distance learning/teleconferencing computer labs  
*Architect: Cambridge Seven Associates*

**Alpha Omega Jewelry Stores – Boston & Cambridge MA**

Lighting design for premier New England jewelry retailer  
*Client: Baker Design Group*

**Bose Corporation Campus West Auditorium – Boston MA**

Environmental, theatrical, and special effects lighting & control systems design  
*Architect: Pisani + Associates Architects*  
*1998 International Illumination Design Award*

**Carolina Ice Palace – Charleston SC**

Architectural, theatrical, retail and special effects lighting & control systems design for 100,000 square feet themed attraction including two ice skating rinks, video arcade, restaurant, pro shop, party rooms, entry experience & facade lighting  
*Client: Charleston Grip & Electric • Architect: LS3P*  
*1998 International Illumination Design Award*

**Church of the Transfiguration – Saratoga NY**

Lighting design for church interior renovation  
*Client: Church of the Transfiguration*

**Fleet Center – Boston MA**

Lighting design for eastern facade sign – ever-changing watercolor light effect  
*Client: BN Productions*  
*Featured in LD+A MAGAZINE*  
*1997 International Illumination Design Award*

**Fleet Center – Boston MA**

Lighting design for main ticket lobby. Kinetic lighting effects add sparkle to a normally static environment  
*Client: BN Productions*

**Harvard Business School – Cambridge MA**

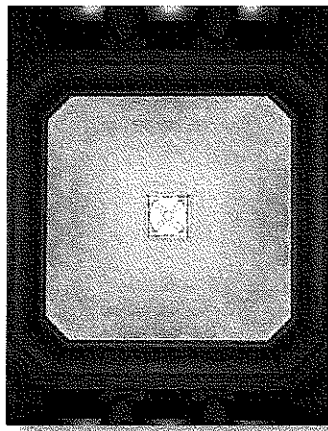
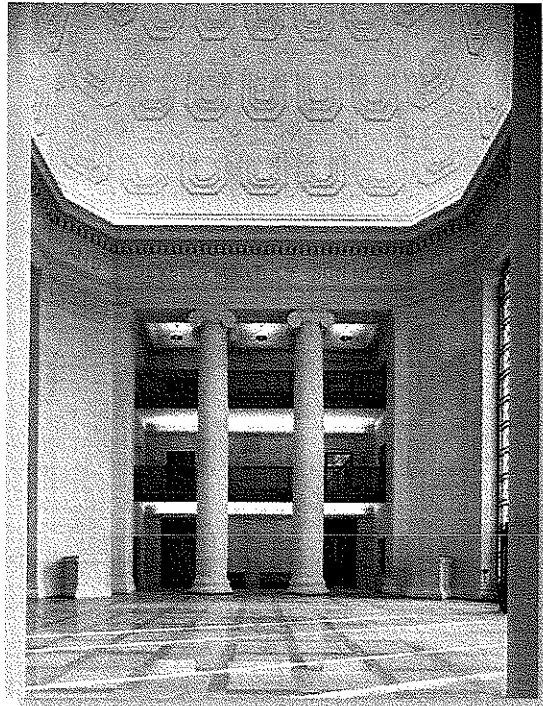
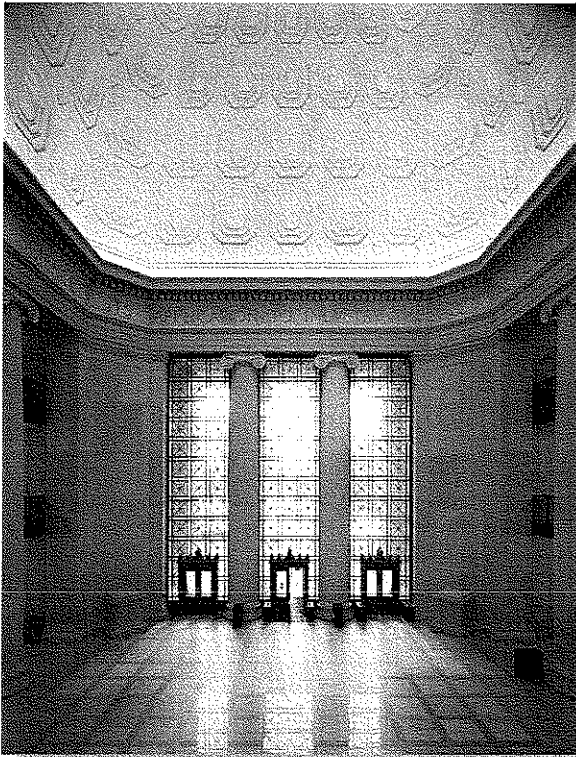
Site & architectural lighting for new Baker Plaza and glass pyramid pavilion  
*Architect: Cambridge Seven Associates*

**Walter Suskind Memorial – Lobby of The Wang Center, Boston MA**

Specialty lighting for new graphic panels for donor plaques  
*Client: Wang Center*

# MIT Building 7

Cambridge MA



Complete renovation of the main domed portal into the world of MIT. State-of-the-art lighting and control systems were employed to make the lighting environment shift subtly in relation to exterior sky conditions. Complete retrofit and re-conception of all lighting positions and light sources—including the design of new decorative lighting pendants created from existing outmoded ceiling mounted luminaires.



This project was awarded both a 2003 International Illumination Design Award and an International Association of Lighting Designers Radiance Award.

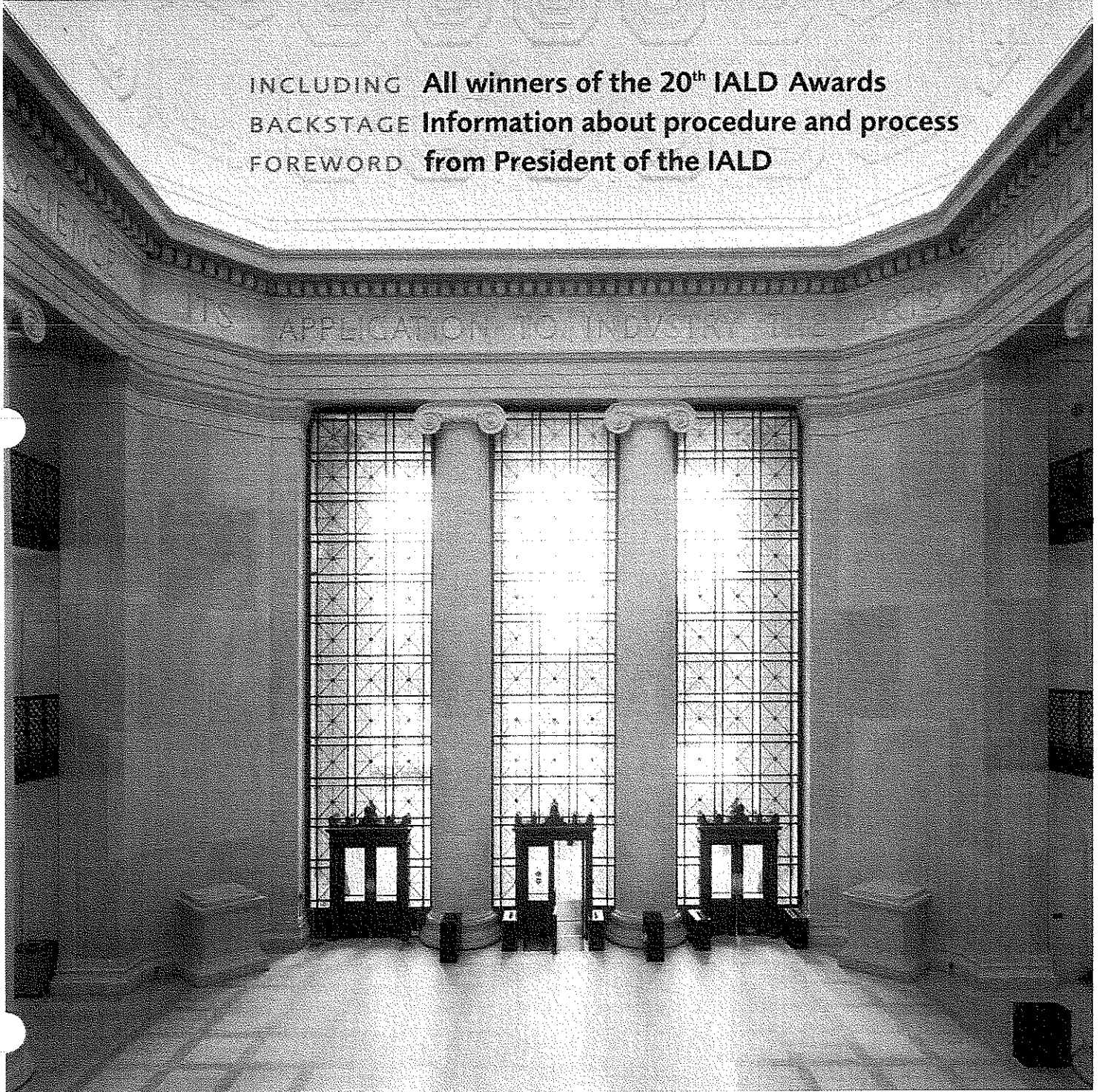
Architect: Einhorn Yaffe Prescott  
 Photos By: Edward Jacoby

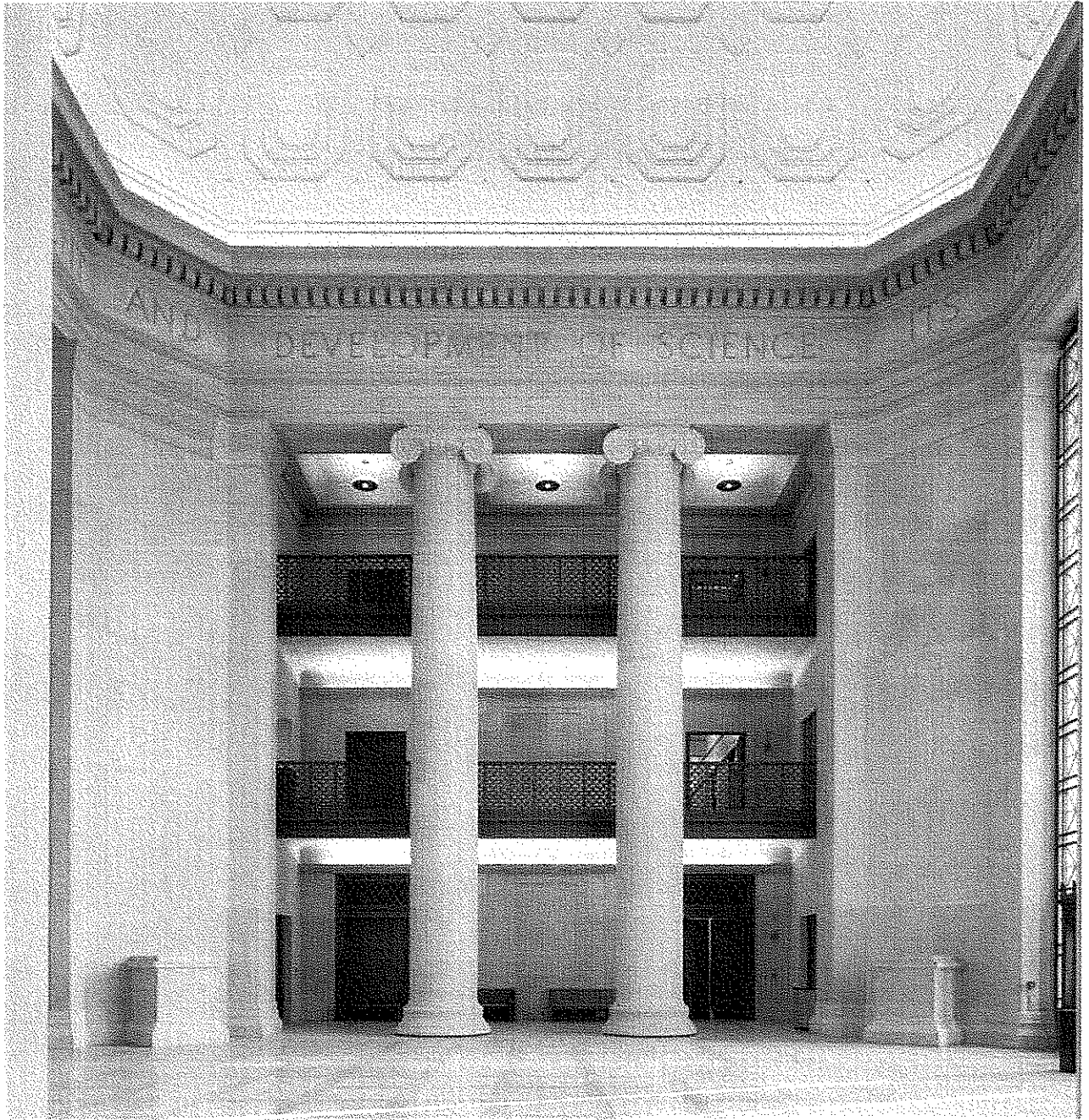
New York 2003

International Association of Lighting Designers, IALD

# 20<sup>th</sup> IALD AWARDS

**INCLUDING All winners of the 20<sup>th</sup> IALD Awards**  
**BACKSTAGE Information about procedure and process**  
**FOREWORD from President of the IALD**





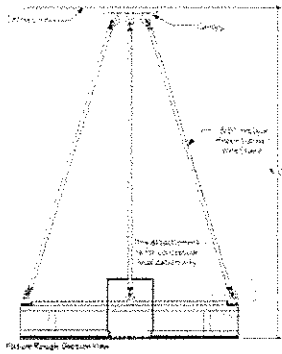
## Radiance Award



# Perfect from a technical and design viewpoint

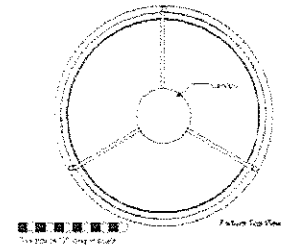
## MIT Building 7 Renovation

Lighting design office:	Available Light, Salem/USA
Lighting designers:	Steven Rosen, IALD, Katherine Abernathy, I.C. IALD
Architect:	David Fixler, AIA
Photos:	Edward Jacoby



**Notes:**

- The skylight is a circular skylight with a diameter of 10 feet.
- The skylight is located in the center of the dome.
- The skylight is surrounded by a circular entablature.
- The skylight is surrounded by a circular entablature.
- The skylight is surrounded by a circular entablature.
- The skylight is surrounded by a circular entablature.



The domed portal of Building 7 is an MIT landmark – the literal and symbolic entryway to campus. The interior spaces were badly in need of a lighting system renovation that would celebrate the venerable architecture. Budget was critical, work was to be completed during school downtimes, and illumination sources needed to be concealed from view.

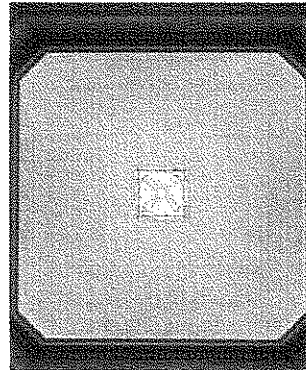
The years had taken their toll on the lighting systems: barely visible mercury vapour floods cast a spotty green glow on the dome, and glaring floodlights were mounted to handrails in an effort to increase floor illumination. The skylight had been blacked out during world war II, and a number of inappropriate luminaires added in circulation corridors.

Design choice priorities respected the stature of the building and the architectural envelope. The design team opted for long-life, energy-efficient and excellent color rendering state-of-the-art luminaires and sources throughout the scope of the project.

A series of mock-ups helped lead the way towards ultimate solutions. A dynamic lighting system balances dome-to-skylight contrast ratios over the arc of the day, with a photo sensor feeding illuminance data to a

dimming/control system. At certain thresholds of daylight, predetermined lighting scenes are activated causing concealed asymmetric distribution T8 fluorescent luminaires to gradually and subtly change intensity.

Multiple zones of control allow for subtle architectural balance, i.e. corner luminaires dim to slightly different intensities than longer linear side runs. Efficient ceramic metal halide floodlights are mounted between skylight and laylight. Dual le-



vel switching – programmed into the lighting presets – also allows balanced day to night illumination levels and there is no nighttime black hole effect.

An astronomical time clock switches specific lighting zones off from 1.00 to 6.00 a.m., realizing additional energy savings for a building open to the public 24/7.

Original ceiling-mounted luminaires were reconfigured as indirect pendants, employing two stacked circular T5 lamps to articulate the vaulted ceiling of adjacent corridors. A new PAR 30 metal halide downlight component creates sparkle on the floor.

Energy codes were reviewed and addressed and budget targets were achieved. Long-life, low power LED strips, filtered to a warm hue and hidden below the entablature, softly accent engraved quotes. Lighting positions are easily accessible to maintenance staff. Glare produced by electric light is non-existent.

The unique auto-adjust dome lighting contrast/ratio system successfully makes this magnificent interior at once compelling and easy to navigate.

AVAILABLE LIGHT

## Dining Hall Facility University of Connecticut



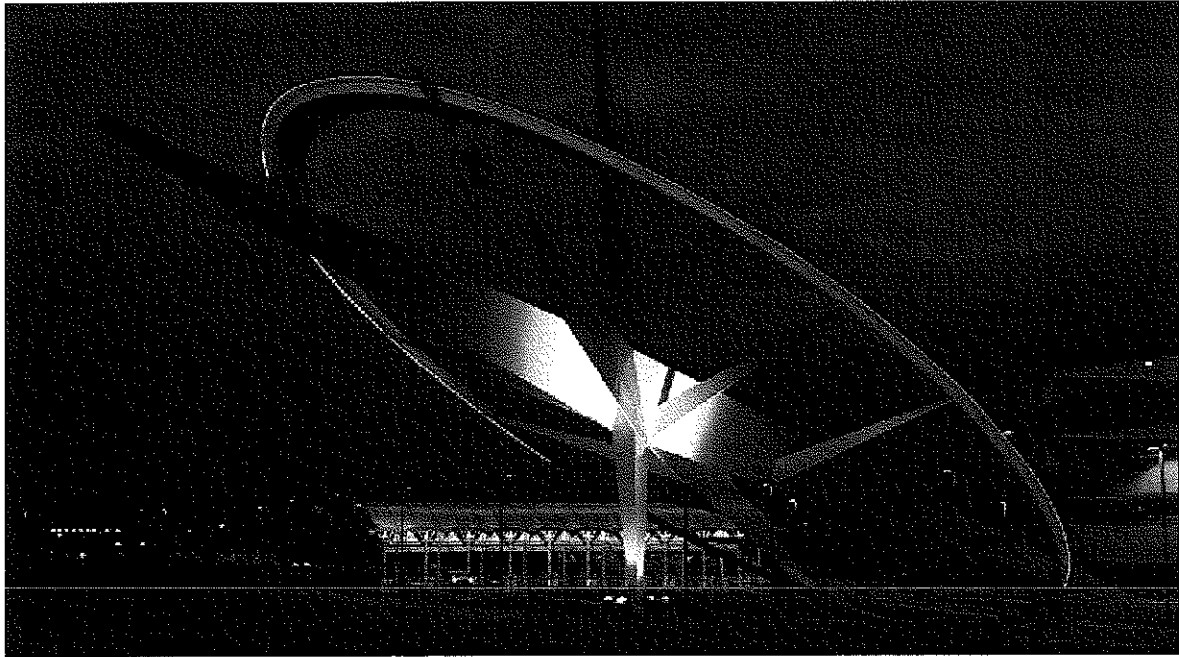
AVAILABLE LIGHT

## Tully Health Center



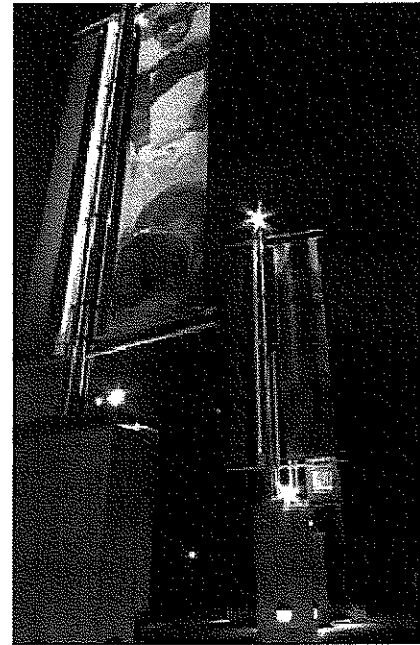
AVAILABLE LIGHT

## Raleigh Durham Airport



AVAILABLE LIGHT

## State Museum of Pennsylvania New Entry Plaza

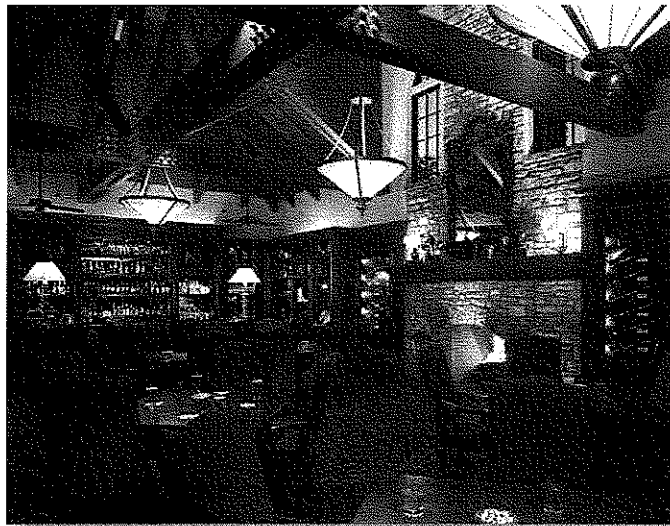
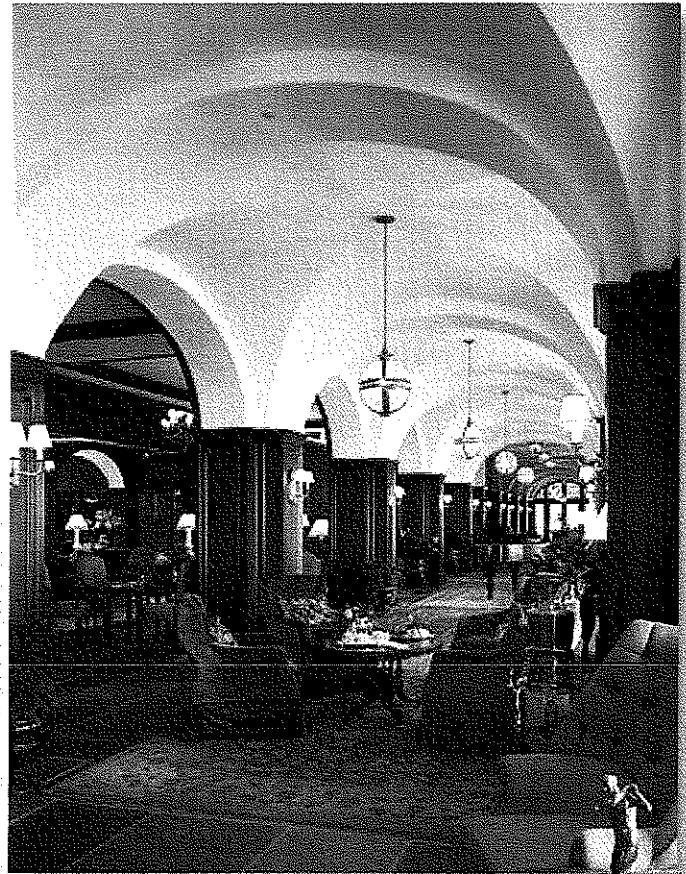




# Lodge at Sea Island

Sea Island GA

**N**ew construction state-of-the-art five star hospitality development by the Sea Island Resort Corporation. Lighting Design for the project includes all aspects of the facility including: multiple restaurants and bars, Men's and Women's locker rooms/spa facilities, pro shop, conference center, 45+ guest rooms, main lobby, all public circulation spaces, and site lighting.



Architect: Peter Capone and Architectural Design Group  
 Interior Designer: Cole Martinez Curtis Associates  
 Photos By: Ryan Rizzo

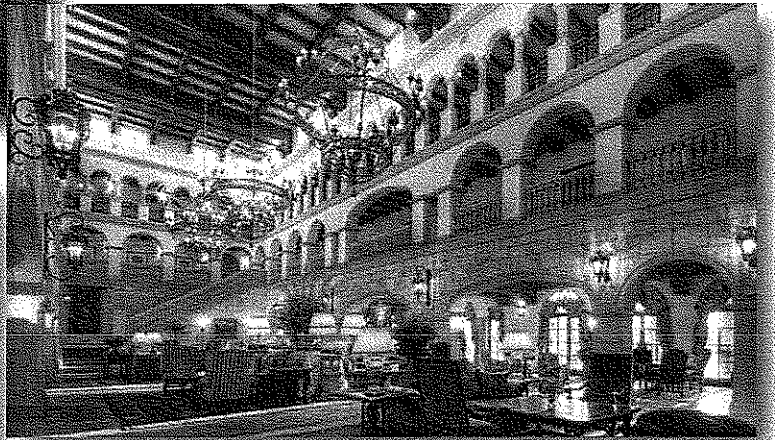
As the client articulated a disdain for "recessed downlights" intense collaboration between Architect, Interior Designer and Lighting Designer was required to affirm that all decorative fixtures would also provide adequate illumination levels. Wherever possible, supplementary lighting was hidden in architectural soffits, beams, millwork, etc. to both accent architectural details and increase ambient light.

# The Cloister Hotel

SEA ISLAND GA



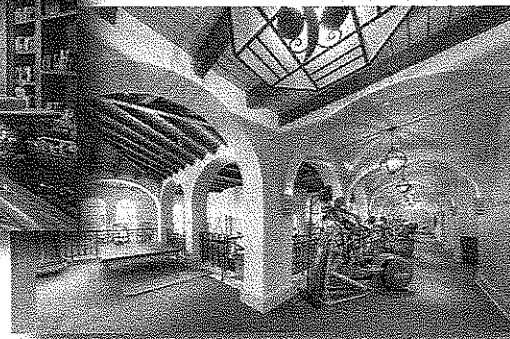
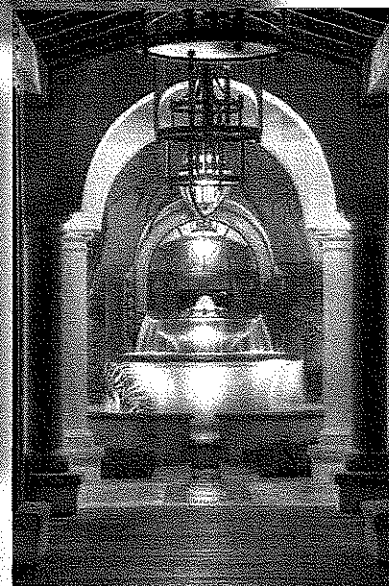
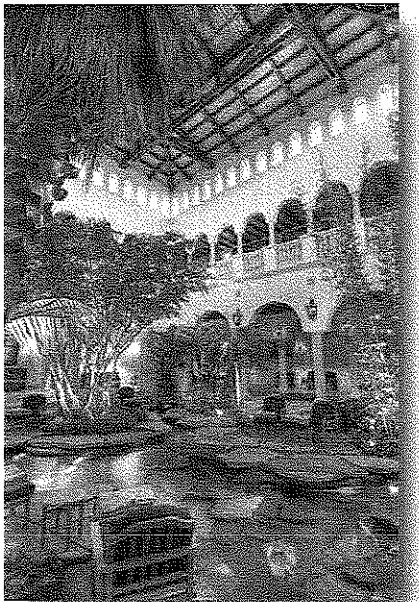
Architect: Peter Capone  
Interior Design: Hughes Design Associates  
Completed: 2006



# The Cloister Spa

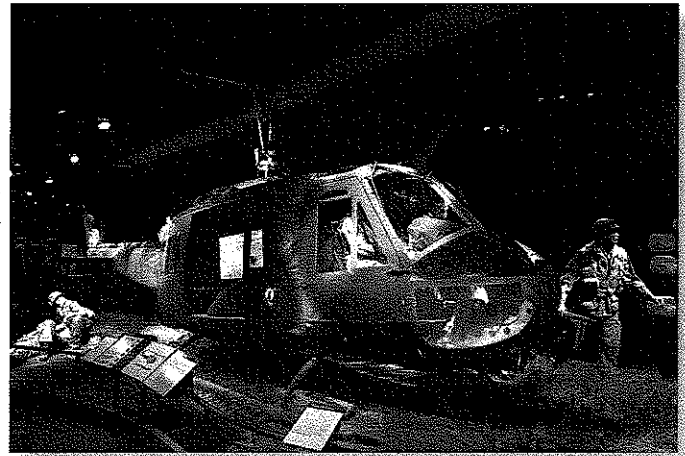
SEA ISLAND GA

Architect: Peter Capone  
Interior Design: Hughes Design Associates  
Completed: 2007



# The Price of Freedom

The National Museum of American History, Washington DC



The Price of Freedom exhibit at the National Museum of American History, which premiered in 2004, continues to break museum attendance records. The 18,000 sq. ft. exhibit explores how wars have shaped the nation's history and transformed society. Poignant objects, first person accounts, A/V presentations, interactive experiences and theatrical dioramas offer a look at how our country fought to establish independence, determine its borders, shape its concepts and values, and define its role in world affairs. Critical to producing a world class lighting design for this exhibit was the requirement to work within the infrastructural limits of the existing gallery; limitations that included scant little electrical service.



To circumnavigate this challenging dilemma Available Light researched, tested and ultimately deployed alternative light source technologies in the gallery luminaires. Traditionally, exhibits are lit using incandescent light sources which are renowned for their excellent color rendering properties but disdained due to both their high energy requirements and relatively short lamp life. After much initial (and well-placed) pessimism we were able to demonstrate that current generation metal halide light sources had come of age and were capable of replacing the much less efficient incandescent source. Consequently, we were able to reduce our electrical requirements by 40% and quadruple time between lamp changes—all without compromising a dramatic and compelling visitor experience.

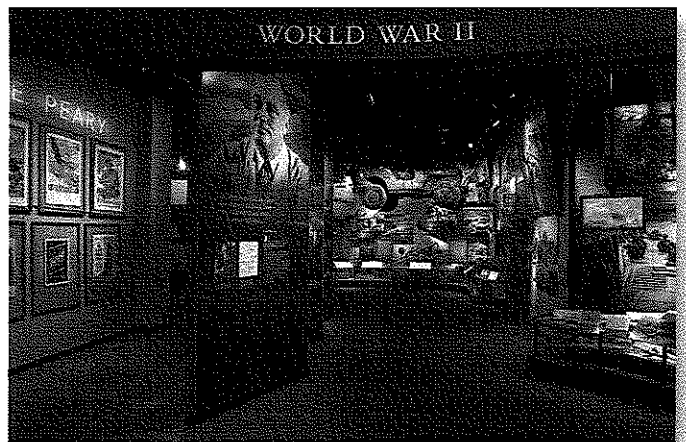
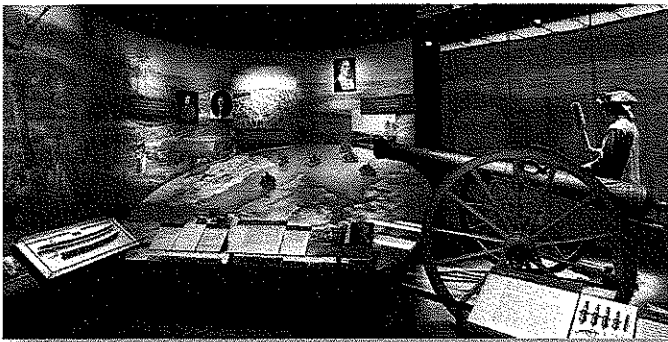
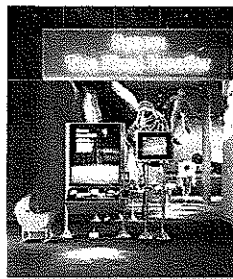
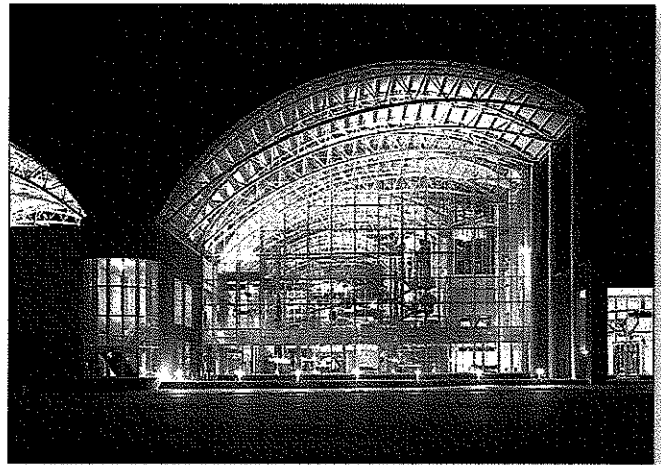


Exhibit Design: Christopher Chadboure & Associates  
Completed: 2004

# Virginia Air & Space Center

Hampton VA



For a unique twist, we employed two computer-controlled luminaires, normally used in rock concerts and club lighting, to simulate the movement of searchlights sweeping the sky and catching the underbellies of the aircraft. Rays of light visually connect the old world astronomer to the astronaut walking in space.

The challenges of lighting the VASC were threefold: to enhance an architecturally exciting building and accentuate its shape of "a bird in flight"; to illuminate museum artifacts in ways that help entertain, educate, and make the visitor linger; and to tie together three very different subjects and treatments. Our concept involved using theatrical lighting in a permanent setting. Contrasting beams of colored light were employed to accentuate form and dimension. For nighttime viewing, cool filtered uplight on the ceiling created an "envelope of sky" as a backdrop for suspended aircraft representing the history of flight. A narrow beam of light was directed down the nose of each jet to suggest group formation, all flying directly towards the sun.

The center Atrium (History of Flight) served as an architectural as well as a conceptual bridge between the Hampton History Center and the official NASA Visitors Center.

This project was awarded a 1993 International Illumination Design Award.

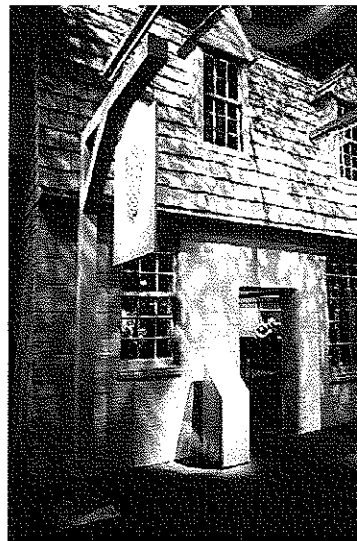
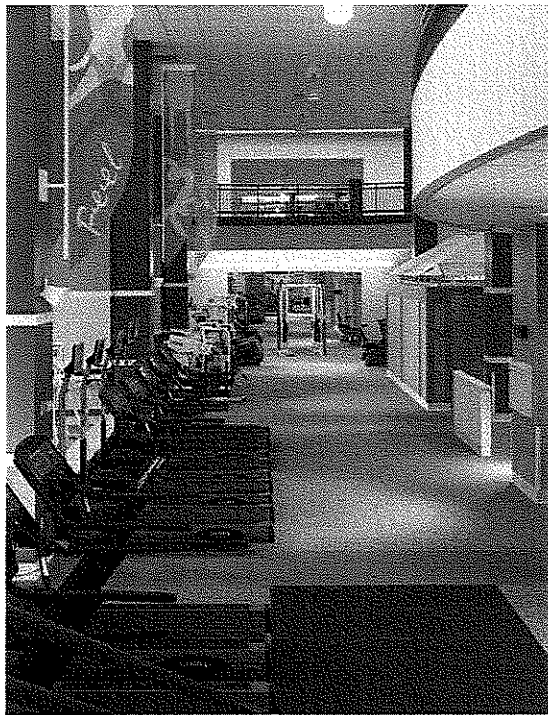
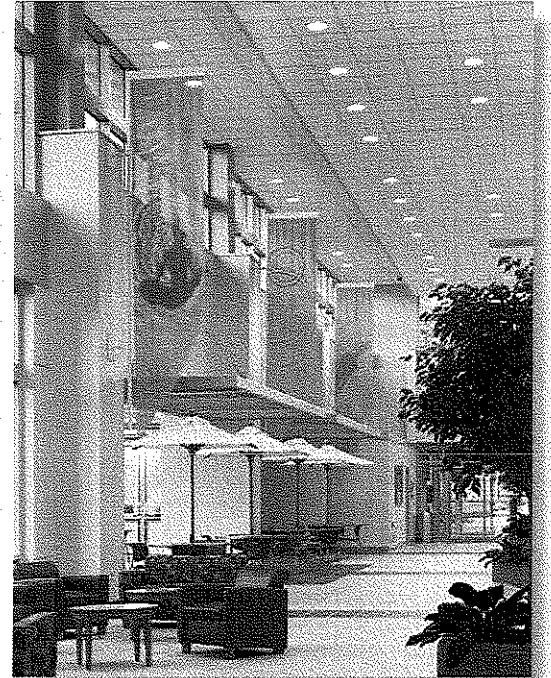


Exhibit Design: KPC Design  
 Completed: 1993  
 Photos By: Jeff Goldberg/ESTO

# Stamford Health Care

Stamford, CT

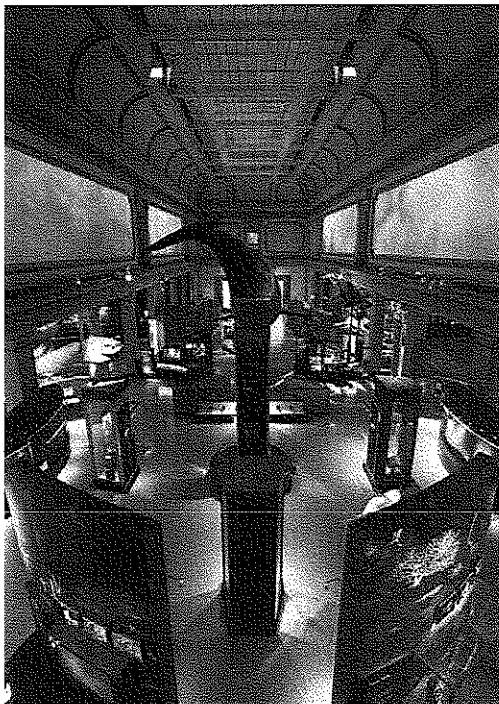


Architect: The Ritchie Organization

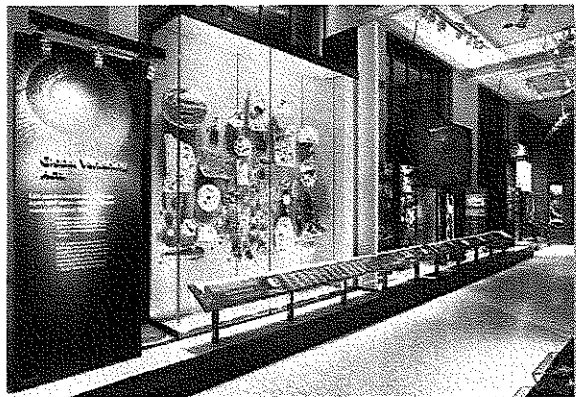
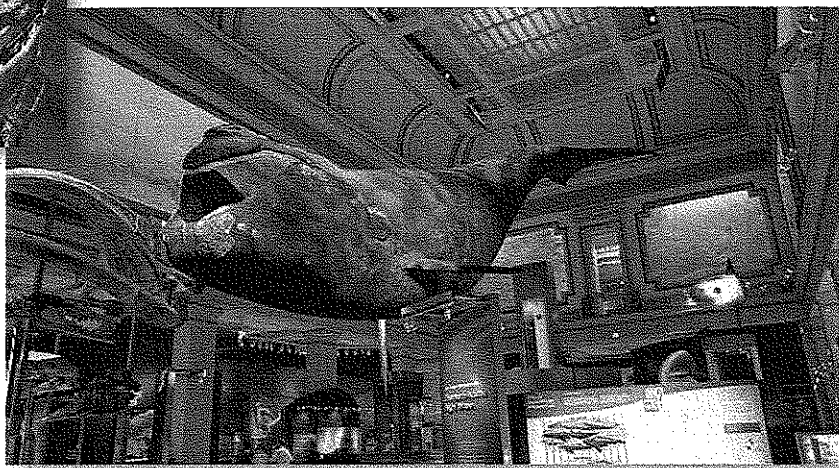
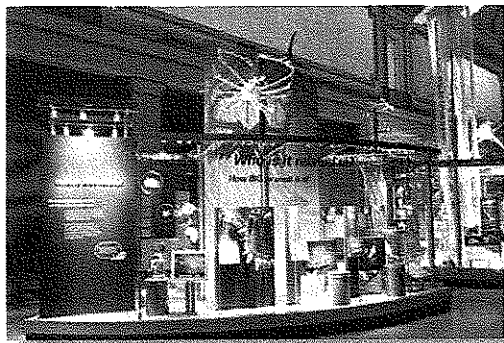
Completed: 1999

# The Sant Ocean Hall - Smithsonian National Museum of Natural History

Washington DC



**V**ast. Varied. Vital. 70% of our planet is covered by ocean. At 26,000 square feet Ocean Hall is the largest exhibition developed by the museum. The goal of the exhibit is to take visitors on a journey through the ocean, from ancient seas to living reefs. Our role was to create a compelling, immersive environment that allows visitors to take in the awe of ocean life. Working with the restoration architects, we specified skylight control shades assuring an artful balance of contrast ratios between daylight, exhibit accent lighting, and video projection.

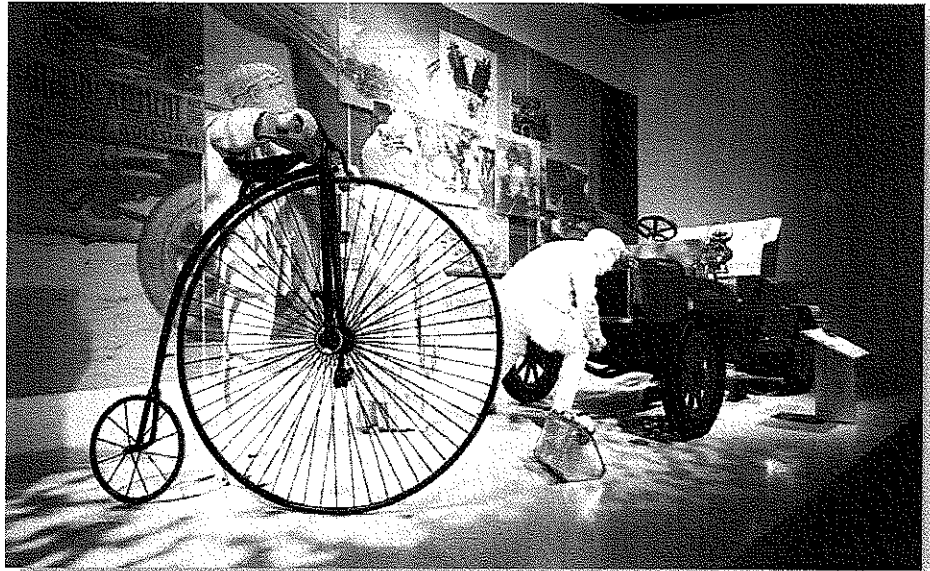
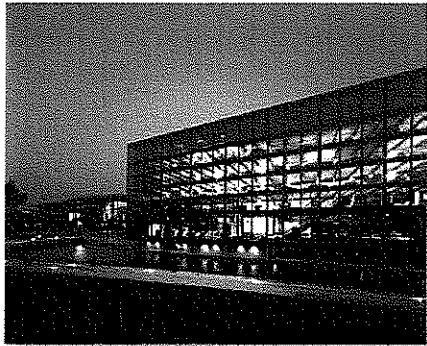


At the main entry point of the exhibition, we designed both the hardware and content for an LED video presentation. The “vessels” appear to fill and empty with the ebb and flow of the tide. Across the central 74’ high gallery close-proximity lighting systems within casework employ latest-generation IR Halogen lamps to both reduce wattage and simplify maintenance. Layers of light are employed to create a hierarchy of lighting cues. LED and fiber optic luminaires are also used in display cases to eliminate UV & IR radiation on delicate organic artifacts.

Exhibit Design: Gallagher & Associates and D+P  
Photo: Jay Rosenblatt and Steven Rosen  
Completed: 2008

# AutoStadt

Wolfsburg, Germany



The VOLKSWAGEN Group has developed a unique, 40+ acre corporate visitor center in Wolfsburg, Germany: AutoStadt. This attraction celebrates the company's brands, its history and its impact on world culture—from the “People’s Car” to the “Love Bug” to the automobility of the future.

Our responsibility within this highly-acclaimed facility was creating environments through lighting design at the KonzernForum and ZeitHaus. One's journey into the ZietHaus begins by riding up a 5-story escalator. Historical autos are displayed in a “jewel box” illuminated with adjustable spotlights. The track lighting system allows for maximum flexibility as cars are continually relocated or swapped. The history of automobility is presented by a series of vignettes. Layers of lighting (i.e. suggesting dappled sunlight or applying a wash of color) reveal form and accentuate depth.

The KonzernForum explores the VW story—design, testing, material selection, safety concerns, etc. Due to an unusual ceiling condition that could not be freely penetrated, an electrified track recessed within a curved truss system was developed after intense collaboration and mock-ups with the architect and exhibit designers.

This museum/theme park is not an ordinary car buying experience; performers guide the visitor through interactive exhibits that depict the devotion and corporate mission of contemporary Volkswagen.



This project was awarded a 2001 International Illumination Design Award.

Exhibit Design: Jack Rouse Associates  
 Completed: 2002  
 Photos By: Produced under contract to Jack Rouse Associates



STATE OF WEST VIRGINIA  
Purchasing Division**PURCHASING AFFIDAVIT**

**West Virginia Code §5A-3-10a states:** No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

**DEFINITIONS:**

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

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

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

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

**WITNESS THE FOLLOWING SIGNATURE**Vendor's Name: McKinley & AssociatesAuthorized Signature: *Lucretia Dillaha* Date: August 25, 2010State of West VirginiaCounty of Ohio, to-wit:Taken, subscribed, and sworn to before me this 25 day of August, 2010.My Commission expires April 8, 2018.**AFFIX SEAL HERE**NOTARY PUBLIC *Amy T. Sipos*