



## QUALIFICATIONS

STATE OF WYOMING

Level I/II Design Restoration/Renovation WY Capitol – PROFESSIONAL SERVICES RFPS0642

*Cheyenne, Wyoming  
September 27, 2012*

**HDR**

**FLAN**  
ARCHITECTS

**PDP**



September 27, 2012

Department of A&I, Construction Mgmt  
Attn: Suzanne Norton  
700 West 21st Street  
Cheyenne, WY 82002

**RE: RFPS 0642 - Level I/II Design Restoration/Renovation WY Capitol**

Suzanne,

The **Wyoming State Capitol is the jewel of the state**. From the dome to the Esther Hobart Morris and Chief Washakie statues at the front steps, and from the Allen Tupper True artwork to the 'purposeful imperfections' embodied in the balustrades, this historic structure **embodies the personality and ideals of the State of Wyoming**. As the State seeks to repair, restore, and update this building to the State's current and future needs, a comprehensive and reliable Level I Reconnaissance / Level II Feasibility Study could not be more important. This Study must capture the State's vision, while **embracing rigorous stewardship to State heritage and finances**.

We have assembled a team of **industry experts to embrace this challenge**. Our experts have participated in over 10 Capitol projects. Our team understands that to fully envision a Capitol project's direction, one must first fully understand the people and the building. Our approach will be to understand first and meet challenges head on with a **clear and inclusive process**. This study must:

- » **treasure and respect** the State's heritage, art and open government
- » **provide expert advise** for planning defining the project with respect to restoration and renovation
- » **be sensitive** to additions to meet State additions and modifications – from handrails to building addition
- » plan for the 100 years with **safe, reliable, serviceable, energy-efficient** solutions
- » **be rigorous** in establishing project scope with reliable cost expectations
- » establish **practical, practicable expectations** for project delivery – design and construction

HDR Architecture has formed an **integrated partnership** with Plan One / Architects on the foundation of listening to our client's needs and aspirations. This is an established partnership, proven over the last three years with complex planning efforts and completed projects. Together we bring **vision, passion, and experience** to your project. Our approach is to offer a clear, information-rich, inclusive process and **vigorously pursue success** with the State of Wyoming.

We are very pleased to add Preservation Design Partnership, PDP, to our team. PDP **specializes in historic, monumental buildings** and brings a wealth of experience, balanced with care and critical thinking, to ensure a successful project. More than just taking care of the renovation and restoration of your building, the Preservation Design Partnership understands the operations of Capitol buildings. **Tremendous sensitivity and creativity** are required to marry the historic beauty of your building with today's building's systems.

**Suzanne, thank you for considering the HDR / Plan One / PDP team!** We look forward to presenting our qualifications and capabilities in person to your Selection Committee. I am available at 720.253.4635 and [thomas.whetstone@hdrinc.com](mailto:thomas.whetstone@hdrinc.com).

Sincerely,

Tom Whetstone, AIA, LEED AP BD+C  
Project Principal

# ARCHITECT - ENGINEER QUALIFICATIONS

## PART I - CONTRACT SPECIFIC QUALIFICATIONS

### A. CONTRACT INFORMATION

1. TITLE AND LOCATION *(City and State)*

Level I/II Design Restoration/Renovation WY Capitol

2. PUBLIC NOTICE DATE

August 14, 2012

3. SOLICITATION OR PROJECT NUMBER

RFPS 0642

### B. ARCHITECT - ENGINEER POINT OF CONTACT

4. NAME AND TITLE

Tom Whetstone, Project Manager

5. NAME OF FIRM

HDR Architecture, Inc.

6. TELEPHONE NUMBER

303.318.6288

7. FAX NUMBER

303.860.7139

8. E-MAIL ADDRESS

Thomas.Whetstone@hdrinc.com

### C. PROPOSED TEAM

*(Complete this section for the prime contractor and all key subcontractors.)*

	<i>(Check)</i>			9. FIRM NAME <input type="checkbox"/> CHECK IF BRANCH OFFICE	10. ADDRESS	11. ROLE IN THIS CONTRACT
	PRIME	J-V PARTNER	SUB-CONTRACTOR			
A.	<input checked="" type="checkbox"/>			HDR Architecture, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	303 E 17th Avenue, Suites 700 & 1000 Denver, CO 80203	Architecture
B.			<input checked="" type="checkbox"/>	Plan One/Architects <input type="checkbox"/> CHECK IF BRANCH OFFICE	4020 Dewar Drive, Suite A Rock Springs, WY 82901	Architecture
C.			<input checked="" type="checkbox"/>	Preservation Design Partnership, LLC <input type="checkbox"/> CHECK IF BRANCH OFFICE	One South Broad Street, Suite 1702 Philadelphia, PA 19107	Design
D.			<input checked="" type="checkbox"/>	AON Fire Protection Engineering <input type="checkbox"/> CHECK IF BRANCH OFFICE	1000 Milwaukee Avenue, 5th Floor Glenview, IL 60025	Fire Protection Engineer / Building Code Consultant
E.			<input checked="" type="checkbox"/>	Robert Silman Associates <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	1053 31st Street NW Washington, DC 20007	Structural Engineering Consultant
F.			<input checked="" type="checkbox"/>	Joseph R. Loring & Associates, Inc. <input checked="" type="checkbox"/> CHECK IF BRANCH OFFICE	21 Pennsylvania Plaza, 14th Floor New York, NY 10001	Lead MEP/FP Design Engineers
G.			<input checked="" type="checkbox"/>	Gary Steffy Light Design, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	2900 South State Street, Suite 12 Ann Arbor, MI 48104	Lighting Design Consultant
H.			<input checked="" type="checkbox"/>	International Consulting, Inc. <input type="checkbox"/> CHECK IF BRANCH OFFICE	221 Chestnut Street, Suite 200 Philadelphia, PA 19106	Cost Estimating
I.			<input checked="" type="checkbox"/>	Sage, Ltd. <input type="checkbox"/> CHECK IF BRANCH OFFICE	235 Bridger Canyon Spur Bozeman, MT 59715	Construction Management

### D. ORGANIZATIONAL CHART OF PROPOSED TEAM

*(Attached)*

STATE OF WYOMING

LEADERSHIP TEAM



**Tom Whetstone**  
Principal



**Charlie Van Over**  
Manager



**George Skarmeas**  
Design Principal / Lead Architect

CORE TEAM



**Dominique Hawkins**  
Designer



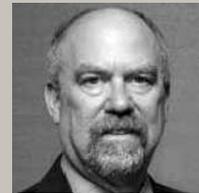
**Mike Rodriguez**  
Design - Advisor



**John Devlin**  
Fire Protection  
Engineer / Building Code  
Consultant



**Kirk Mettam**  
Lead MEP Engineer



**Barry L. Maltz**  
Electrical Engineer



**Gary Steffy**  
Lighting Design Consultant



**Michael Funk**  
Estimator



**David Pedersen**  
Construction Delivery

**CLEAR LEADERSHIP**

The Leadership Team will be your front line. Succinctly, George will lead Planning, Design and Preservation Efforts, Charlie will lead the Construction Process and Estimating Investigations, and the buck stops with Tom. The Core Team is, in turn, the Leadership Team's front line. Selected supporting members are highlighted below.

**PROVEN RELATIONSHIPS**

Charlie and Tom have had countless Reuben sandwiches at the Albany in Cheyenne over the last three years and are in lockstep in their passion for Architecture, realizing Client aspirations, and accountable project delivery. More than just sandwiches, Charlie and Tom have planned and completed successful projects in Wyoming – this isn't just a lunch date!

We believe George's expertise in the planning, design and preservation of monumental historic landmarks and specifically state capitols of

historic public structures to be unmatched. His balanced care for your needs and the history of the structure is evidenced with his impressive resume for projects of this complexity and significance.

We are proud of this team and could write pages, but will limit comments here to a few important highlights:

- » This Core Team has been carefully selected to bring the best experience available in Capitol building restoration to afford the State of Wyoming with the most reliable information for this project.
- » Mike has had great success working with the State of Wyoming. Mike takes great care to listen to your needs and present solutions in a comfortable, visually accessible way.
- » Dave brings tremendous, objective insight in construction delivery to the project to align specialized construction with appropriate construction delivery methods in Wyoming.

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

*(Complete one Section E for each key person.)*

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>Tom Whetstone, AIA, LEED AP BD+C</b>	<b>Project Principal</b>	A. TOTAL	B. WITH CURRENT FIRM
		25	5

**15. FIRM NAME AND LOCATION** *(City and State)*

HDR Architecture *(Denver, Colorado)*

**16. EDUCATION** *(Degree and Specialization)*

Bachelor of Arts, Architecture, Iowa State University, 1987

**17. CURRENT PROFESSIONAL REGISTRATION** *(State and Discipline)*

Registered Architect - CO #ARC-401958, WI #7053

LEED Accredited Professional, Building Design & Construction

**18. OTHER PROFESSIONAL QUALIFICATIONS** *(Publications, Organizations, Training, Awards, etc.)*

Tom Whetstone is a Project Principal with over 25 years of professional experience. He enjoys the problem solving aspects of managing projects and creating buildings from concept to completion.

Tom's experience planning and designing laboratory and teaching facilities for the State of Wyoming, the Mayo Clinics, the University of Minnesota, the University of Michigan, Iowa State University and the University of Colorado at Boulder give him a diverse background of experience to bring to each new project. These structures are technically complex and require a high degree of integration with all building systems.

**19. RELEVANT PROJECTS**

A.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>
	<b>State of Wyoming Office Building</b> <i>Cheyenne, Wyoming</i>	2012	N/A
	<p>(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span></p> <p>Project Director. Feasibility Study for State Office building in Cheyenne. The study framed discussion for the State to consider the maximum office, office support, and off-street parking potential for the proposed downtown site. The study presented a 310,000gsf building estimated at \$96,450,000 (construction). This project balanced the interests of a variety of Wyoming stakeholders.</p>		
	<b>State of Wyoming Combined Laboratory Facilities</b> <i>Cheyenne, Wyoming</i>	2009	2011
	<p>(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span></p> <p>Project Manager. The \$46.8M, one-story 120,000 SF structure houses laboratory and office space for the Wyoming Public Health Laboratory (WPHL), Wyoming Department of Environmental Quality (DEQ) and the State of Wyoming Crime Laboratory. The facility also houses evidence storage and an office area for the Wyoming Division of Criminal Investigation (DCI).</p>		
	<b>State of Wyoming, Veterinary Laboratory Addition and Renovation</b> <i>Cheyenne, Wyoming</i>	2008	2011
	<p>(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span></p> <p>Project Manager. 25,600 SF Addition and Renovations to the Wyoming State Veterinary Laboratory (WSVL) in order to increase the capabilities of the existing facility that was inadequate and failed to address the needs of the Wyoming population.</p>		
	<b>State of Wyoming, Veterinary Laboratory Addition and Renovation</b> <i>Cheyenne, Wyoming</i>	2008	2011
	<p>(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span></p> <p>Project Manager. 25,600 SF Addition and Renovations to the Wyoming State Veterinary Laboratory (WSVL) in order to increase the capabilities of the existing facility that was inadequate and failed to address the needs of the Wyoming population.</p>		
	<b>University of Colorado Boulder, JILA Addition</b> <i>Boulder, Colorado</i>	2008	2010
	<p>(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span></p> <p>Project Manager. The JILA Addition will be an extension of the existing JILA Building located on the Main Campus at CU-Boulder, to include 20 Light, Vibration &amp; Acoustic Sensitive Laboratories, 9 West Chemistry Laboratories, an Optical Metrology Laboratory and a Cleanroom Fabrication Laboratory</p>		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

*(Complete one Section E for each key person.)*

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>Charlie Van Over, AIA</b>	<b>Project Manager</b>	A. TOTAL	B. WITH CURRENT FIRM
		37	13

**15. FIRM NAME AND LOCATION** *(City and State)*

Plan One / Architects *(Rock Springs, WY)*

**16. EDUCATION** *(Degree and Specialization)*

Associate of Architectural Design/Drafting Technology, Trinidad State College, Trinidad, Colorado

**17. CURRENT PROFESSIONAL REGISTRATION** *(State and Discipline)*

Registered Architect - CO, WY  
 American Institute of Architects  
 National Society of Historic Preservation  
 Kiwanis Club of Rock Springs – Past President  
 UW Cowboy Joe Club, Board of Directors

**18. OTHER PROFESSIONAL QUALIFICATIONS** *(Publications, Organizations, Training, Awards, etc.)*

As Project Manager, Charlie is responsible for the organization of the project team. Charlie works directly with the Project Director and the Core Team to achieve the project goals. Charlie brings 36 years of architectural experience to Plan One/Architects' design team and has been involved in many of the firm's more challenging projects. As the firm's president, Charlie is dedicated to providing clients with outstanding projects through creative design, careful programming, meticulous construction documents, and thorough construction contract administration.

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>
	<b>Point of Rocks Stage Station</b> <i>Point of Rocks, Wyoming</i>	2005	2006
A.	<p><b>(3) BRIEF DESCRIPTION</b> <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span></p> <p>Project Architect. The Stage Station was restored to its original condition using historically correct construction methods. This included the incorporation of native sand stone from areas around the site to reconstruct walls, planters, and make miscellaneous repairs. The Corrals where partially reconstructed using native sand stone from areas around the site. To better protect the structures, site drainage was improved as storm water run off caused premature erosion of the sandstone in various areas. A retaining wall constructed of native materials was erected utilizing modern drainage techniques to divert water around the historic structures. Cost: \$250,000.</p>		
	<b>Lincoln Motor Court</b> <i>Fort Bridger, Wyoming</i>	2005	2006
B.	<p><b>(3) BRIEF DESCRIPTION</b> <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span></p> <p>Project Architect. Perhaps our most impressive piece of work completed at the Lincoln Motor Court site was the recreation of the Lincoln Motor Court Office. Through extensive field investigations and review of historic documentation and photos, Plan One/Architects was able to recreate the building in its entirety. To ensure the structure had a feel of authenticity to it, project specifications were completed in a manner which helped maintain historically correct construction techniques, methods, and materials. Other restoration work at the site included restoring the original Lincoln House to its original condition including interior cabinets, recreating windows and doors, roof replacement and new exterior finishes. Cost: \$500,000.</p>		
	<b>South Pass City Major Maintenance</b> <i>South Pass City, Wyoming</i>	2005	2006
C.	<p><b>(3) BRIEF DESCRIPTION</b> <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span></p> <p>Project Architect. The historical preservation and authenticity of South Pass City was our foremost consideration while working at the site. As a major maintenance project, Plan One/Architects and its consultants were charged with the following tasks as part of the project's scope of work:</p> <ul style="list-style-type: none"> <li>» Replace over 5,000 s.f. of historic building roofs with rough materials accurately matching historic depiction. Systems chosen where either sawn cedar shingles or board and batten roof systems. Buildings included the Carr Butcher Shop, Carissa Saloon, Miner's Saloon, and Libby Cabin.</li> <li>» Replace several hundred square feet of wood siding on the Restaurant with materials accurately matching historic depictions of the site.</li> <li>» Replace board walk planking throughout the site.</li> <li>» Adjusted board walk supports as required to stabilize historic structures which bear on them to prevent damage and better preserve the facility.</li> <li>» Relocate a once moved historic structure to its original and accurately correct location. The building was placed on a modern foundation to better preserve the facility.</li> </ul>		
	<b>Wyoming State Training School</b> <i>Lander, Wyoming</i>	2009	2009
D.	<p><b>(3) BRIEF DESCRIPTION</b> <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span></p> <p>Project Architect. This project was performed to improve the handicap accessibility of dormitories 502C and 504C at the Wyoming State Training School. Improvements include new gently sloping sidewalks, power assisted entrance doors, landscaping, exterior siding, and window and door replacements. Size: 5,000 SF; Cost: \$500,000.</p>		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

*(Complete one Section E for each key person.)*

<b>12. NAME</b> <b>George C. Skarmees, PhD, AIA, AICP, NCARB</b>	<b>13. ROLE IN THIS CONTRACT</b> <b>Design Principal / Lead Architect</b>	<b>14. YEARS EXPERIENCE</b>	
		A. TOTAL 34	B. WITH CURRENT FIRM 2

**15. FIRM NAME AND LOCATION** *(City and State)*  
Preservation Design Partnership, LLC *(Philadelphia, PA)*

<b>16. EDUCATION</b> <i>(Degree and Specialization)</i> Doctor of Philosophy in Architecture, University of Pennsylvania Master of City and Regional Planning, The Ohio State University School of Architecture Master of Architecture, The Ohio State University School of Architecture Bachelor of Architectural Engineering, The National Technical University of Athens, Greece	<b>17. CURRENT PROFESSIONAL REGISTRATION</b> <i>(State and Discipline)</i> Architectural Licenses: PA #405340, OH #8909212, RI #3834, NJ #21AI01892000, Greece, National Registration, NCARB, #68748
---	---

**18. OTHER PROFESSIONAL QUALIFICATIONS** *(Publications, Organizations, Training, Awards, etc.)*  
A nationally recognized architect and planner, Dr. Skarmees has approximately 35 years of professional experience in the treatment of national historic landmarks and museum buildings, throughout the country. His work has been recognized with over 35 national, regional, state and local preservation and design awards and has been published in virtually all professionals publications in the United States.

### 19. RELEVANT PROJECTS

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
A.	<b>Virginia State Capitol</b> Restoration and Expansion <i>Richmond, VA</i>	PROFESSIONAL SERVICES 2008	CONSTRUCTION <i>(if applicable)</i> 2008
	<b>(3) BRIEF DESCRIPTION</b> <i>(Brief scope, size, cost, etc.) AND SPECIFIC ROLE</i> <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Planning and Design Principal. Designed by Thomas Jefferson in 1785, the Virginia capitol is one of the most significant structures in America, in continuous use since its completion in 1788. George C. Skarmees led the \$104.5 million project, which commenced with a feasibility study and included a 30,000sf addition, a restoration of the exterior building envelope, interior restoration and new systems of the 90,000 SF historic interiors. The project has received several national, regional, state and local preservation and design awards.		
B.	<b>The United States Supreme Court Building</b> <i>Washington, DC</i>	PROFESSIONAL SERVICES 2011	CONSTRUCTION <i>(if applicable)</i> 2011
	<b>(3) BRIEF DESCRIPTION</b> <i>(Brief scope, size, cost, etc.) AND SPECIFIC ROLE</i> <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Planning and Design Principal. George C. Skarmees led the comprehensive modernization of the US Supreme Court Building. The project began with a master plan, and was implemented in several phases, while the building remained occupied. The work included comprehensive systems replacement, an underground addition and interior renovation of the historic building, with a budget of \$122 million.		
C.	<b>The Patrick Henry Building</b> <i>Richmond, VA</i>	PROFESSIONAL SERVICES 2005	CONSTRUCTION <i>(if applicable)</i> 2005
	<b>(3) BRIEF DESCRIPTION</b> <i>(Brief scope, size, cost, etc.) AND SPECIFIC ROLE</i> <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Planning & Design Principal. George C. Skarmees led the adaptive reuse of the 211,000 SF Patrick Henry Building as the first Executive Office Building of the Commonwealth to house the Governor's Office, the Governor's Cabinet, key state agencies and the General Assembly, while the Capitol building was undergoing restoration and expansion. The project budget was \$35 million.		
D.	<b>West Virginia Capitol Complex Master Plan</b> <i>Charleston, WV</i>	PROFESSIONAL SERVICES 2010	CONSTRUCTION <i>(if applicable)</i> N/A
	<b>(3) BRIEF DESCRIPTION</b> <i>(Brief scope, size, cost, etc.) AND SPECIFIC ROLE</i> <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Planning & Design Principal. George C. Skarmees led the team in the production of the Master Plan for the West Virginia Capitol Complex. The primary goals of the plan were to create a vision for the future, plan for deferred maintenance needs, provide for future expansion and recommend security and parking improvements for the campus in a comprehensive and holistic manner.		
E.	<b>Cincinnati Museum Center</b> <i>Cincinnati, OH</i>	PROFESSIONAL SERVICES Ongoing	CONSTRUCTION <i>(if applicable)</i> Ongoing
	<b>(3) BRIEF DESCRIPTION</b> <i>(Brief scope, size, cost, etc.) AND SPECIFIC ROLE</i> <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Planning & Design Principal. George C. Skarmees led the preparation of a plan for \$150 million in building needs and \$100 million in site work. He led a \$10 million pilot project, restoring the historic dining rooms within the 500,000 SF Museum Center. In 2010, he led the PDP team in staging a sustainability workshop at the Terminal to explore state-of-the-art thinking in sustainability for this National Historic Landmark.		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

*(Complete one Section E for each key person.)*

<b>12. NAME</b> <b>Dominique M. Hawkins, AIA, NCARB, LEED AP</b>	<b>13. ROLE IN THIS CONTRACT</b> <b>Designer</b>	<b>14. YEARS EXPERIENCE</b>	
		<b>A. TOTAL</b> <b>19</b>	<b>B. WITH CURRENT FIRM</b> <b>16</b>

**15. FIRM NAME AND LOCATION** *(City and State)*  
 Preservation Design Partnership, LLC *(Philadelphia, PA)*

<b>16. EDUCATION</b> <i>(Degree and Specialization)</i> Master of Architecture, University of Pennsylvania, 1992 Master of Science - Historic Preservation, University of Pennsylvania, 1992 Bachelor of Arts - Design of the Environment, University of Pennsylvania, 1988	<b>17. CURRENT PROFESSIONAL REGISTRATION</b> <i>(State and Discipline)</i> Architectural Licenses - PA #RA-015175-B; NJ #AI13991; DE #S5-0005989; VA #013226; WV #4280; FL #AR95558; MD #16414; DC #ARC101815; NCARB #49040
--	--

**18. OTHER PROFESSIONAL QUALIFICATIONS** *(Publications, Organizations, Training, Awards, etc.)*  
 Dominique has over 20 years of experience in the field of architecture and historic preservation. She has been lead member of teams responsible for the treatment of several national historic landmarks and museums, such as the buildings of Independence Square, including Independence Hall [WHS], Thomas Jefferson's Virginia Capitol and the Cincinnati Union Terminal.

### 19. RELEVANT PROJECTS

	<b>(1) TITLE AND LOCATION</b> <i>(City and State)</i> <b>Virginia State Capitol Restoration and Expansion</b> <i>Richmond, VA</i>	<b>(2) YEAR COMPLETED</b>	
<b>A.</b>		<b>PROFESSIONAL SERVICES</b> 2004	<b>CONSTRUCTION</b> <i>(if applicable)</i> 2007
	<b>(3) BRIEF DESCRIPTION</b> <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Project Manager. Designed by Thomas Jefferson in 1785, the Virginia capitol is one of the most significant structures in America, in continuous use since its completion in 1788. Under contract with RMJM/Hillier, Dominique led the production of the construction documents for the project, and was a specialty consultant for the detailed documentation of historic millwork in the Rotunda.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
<b>B.</b>	<b>(1) TITLE AND LOCATION</b> <i>(City and State)</i> <b>City of New Orleans Historic District Landmarks Commission</b> Design Guidelines <i>New Orleans, LA</i>	<b>(2) YEAR COMPLETED</b>	
		<b>PROFESSIONAL SERVICES</b> 2011	<b>CONSTRUCTION</b> <i>(if applicable)</i> n/a
	<b>(3) BRIEF DESCRIPTION</b> <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Managing Principal and Lead Preservation Architect. Partially funded by a grant from the National Park Service, the Design Guidelines for the City of New Orleans represent the first comprehensive revision of the city's guidelines in over twenty-five years. They address over 14,000 properties located within fourteen historic districts and scattered throughout New Orleans. Ms. Hawkins was the Principal responsible for full production of the Guidelines.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
<b>C.</b>	<b>(1) TITLE AND LOCATION</b> <i>(City and State)</i> <b>Senator Arlen Specter Center at the Roxboro House (Philadelphia University)</b> <i>Philadelphia, PA</i>	<b>(2) YEAR COMPLETED</b>	
		<b>PROFESSIONAL SERVICES</b> Ongoing	<b>CONSTRUCTION</b> <i>(if applicable)</i> Ongoing
	<b>(3) BRIEF DESCRIPTION</b> <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE As Managing Principal, Ms. Hawkins is currently leading the team in the restoration and reuse of the historic Roxboro House as the Senator Arlen Specter Center for Public Policy. PDP prepared a master plan for the reuse of the house, working closely with the university, its special collections and the Senator's staff, and is currently producing the construction documents for the \$5 million project.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
<b>D.</b>	<b>(1) TITLE AND LOCATION</b> <i>(City and State)</i> <b>Preservation Alliance for Greater Philadelphia - Digital Survey Methodology</b> <i>Philadelphia, PA</i>	<b>(2) YEAR COMPLETED</b>	
		<b>PROFESSIONAL SERVICES</b> Ongoing	<b>CONSTRUCTION</b> <i>(if applicable)</i> N/A
	<b>(3) BRIEF DESCRIPTION</b> <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE In 2005, the Preservation Alliance for Greater Philadelphia retained PDP to complete a pilot project to determine whether digital documentation of historic resources could be a viable option in Philadelphia. In 2006, PDP completed a fully digital survey of 161 historic resources for the Philadelphia Parkside Historic District Nomination. Following the successful completion of the Parkside documentation, the Preservation Alliance retained PDP to further develop this digital documentation methodology with projects in Frankford and Yorktown.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	
<b>E.</b>	<b>(1) TITLE AND LOCATION</b> <i>(City and State)</i> <b>Cincinnati Museum Center</b> <i>Cincinnati, OH</i>	<b>(2) YEAR COMPLETED</b>	
		<b>PROFESSIONAL SERVICES</b> Ongoing	<b>CONSTRUCTION</b> <i>(if applicable)</i> Ongoing
	<b>(3) BRIEF DESCRIPTION</b> <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE Managing Principal. Dominique partnered with Hillier/RMJM to prepare a plan for \$150 million in building needs and \$100 million in site work. In 2010, Ms. Hawkins was a co-leader of the PDP team in staging a sustainability workshop at the Terminal to explore state-of-the-art thinking in sustainability for this National Historic Landmark.	<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM	

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

*(Complete one Section E for each key person.)*

<b>12. NAME</b>	<b>13. ROLE IN THIS CONTRACT</b>	<b>14. YEARS EXPERIENCE</b>	
<b>Mike Rodriguez, AIA, EDAC, LEED AP</b>	<b>Design - Advisor</b>	<b>A. TOTAL</b> 16	<b>B. WITH CURRENT FIRM</b> 2

**15. FIRM NAME AND LOCATION** *(City and State)*  
HDR Architecture *(St. Paul, MN)*

<b>16. EDUCATION</b> <i>(Degree and Specialization)</i> Masters of Architecture, University of Illinois, Urbana/Champaign Bachelor of Science, Architecture, University of Nebraska, Lincoln	<b>17. CURRENT PROFESSIONAL REGISTRATION</b> <i>(State and Discipline)</i> Registered Architect - MN 49148, MO 2001004074, MI 1301059254 American Institute of Architects Stillwater, Minnesota Planning Commissioner National Council of Architectural Registration Board
--	--

**18. OTHER PROFESSIONAL QUALIFICATIONS** *(Publications, Organizations, Training, Awards, etc.)*  
Mike has over 15 years of experience in the Architectural Design Community. In addition, he has been teaching Architectural Design Studios at the University level for seven years. He has designed national and international award-winning projects over the past decade. Mike specializes in space planning and 3D virtual modeling. He uses the virtual model to communicate the team's design intent with the client, allowing the entire team to understand the building, both inside and out. With a diverse background, he is able to guide a project from the conceptual master plan phase through documentation with great success.

**19. RELEVANT PROJECTS**

	<p>(1) TITLE AND LOCATION <i>(City and State)</i> <b>State of Wyoming Office Building Concept Design</b> <i>Cheyenne, Wyoming</i></p>	(2) YEAR COMPLETED	
A.		<p>PROFESSIONAL SERVICES 2012</p>	<p>CONSTRUCTION <i>(if applicable)</i> Ongoing</p>
	<p>(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Feasibility Study for State Office building in Cheyenne. The study framed discussion for the State to consider the maximum office, office support, and off-street parking potential for the proposed downtown site. The study presented a 310,000gsf building estimated at \$96,450,000 (construction). This project balanced the interests of a variety of Wyoming stakeholders.</p>		
	<p>(1) TITLE AND LOCATION <i>(City and State)</i> <b>Allina Hospital and Clinic Abbot Northwestern Hospital Mother and Baby Program</b> <i>Minneapolis, Minnesota</i></p>	(2) YEAR COMPLETED	
B.		<p>PROFESSIONAL SERVICES Ongoing</p>	<p>CONSTRUCTION <i>(if applicable)</i> Ongoing</p>
	<p>(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Lead Project Designer. 96,000 SF, \$50 million. A new building dedicated to maternity and pediatric care and accommodating both Abbott Northwestern Hospital and Children's Hospitals and Clinics of Minnesota, it is intended to provide "family centered maternity care." Woven into the structure of the existing hospital and parking garage complex, and allowing existing access to remain operable throughout construction, the new mother and baby program is housed on five stories behind a curved glass facade, which peeks out from behind the existing facility. These glimpses of the new facade entice visitors to the new program.</p>		
	<p>(1) TITLE AND LOCATION <i>(City and State)</i> <b>United Hospital, Emergency Department</b> <i>St. Paul, Minnesota</i></p>	(2) YEAR COMPLETED	
C.		<p>PROFESSIONAL SERVICES 2007</p>	<p>CONSTRUCTION <i>(if applicable)</i> 2007</p>
	<p>(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Lead Project Designer. 60,000 SF, \$18 million. HDR was engaged in February 2007 to plan and design the renovation and expansion of the Emergency Department (ED) at United Hospital. The United Hospital Foundation established the Emergency Department Campaign Committee to solicit funds for construction of the new department. United Hospital is a world-class leader in heart care. The Committee demonstrated to potential donors that the new department would significantly improve customer satisfaction, as well as become a model in the community for efficiency and quality outcomes.</p>		
	<p>(1) TITLE AND LOCATION <i>(City and State)</i> <b>Delhi International Convention Center</b> <i>Delhi, India</i></p>	(2) YEAR COMPLETED	
D.		<p>PROFESSIONAL SERVICES 2007</p>	<p>CONSTRUCTION <i>(if applicable)</i> N/A</p>
	<p>(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Lead Project Designer. 500,000 SF, \$400 million. This multi-user group led project served as one of the largest construction projects in India in recent years. We worked with the various tenants to create an inclusive convention center, arena, art museum and retail outlet.</p>		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

*(Complete one Section E for each key person.)*

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>John Devlin, PE</b>	<b>Fire Protection Engineer / Building Code Consultant</b>	A. TOTAL	B. WITH CURRENT FIRM
		28	23

15. FIRM NAME AND LOCATION *(City and State)*  
 AON Fire Protection Engineering Corporation *(Greenbelt, Maryland)*

16. EDUCATION <i>(Degree and Specialization)</i>	17. CURRENT PROFESSIONAL REGISTRATION <i>(State and Discipline)</i>
Master of Science, Fire Protection Engineering, University of Maryland Bachelor of Science, Fire Protection Engineering, University of Maryland	Registered Professional Engineer (Fire Protection): DE, DC, GA, MD, MA, NJ, NY, PA, VA, and WV

18. OTHER PROFESSIONAL QUALIFICATIONS *(Publications, Organizations, Training, Awards, etc.)*  
 Mr. Devlin has over 27 years of experience in fire protection engineering and building code consulting. His expertise includes building code and life safety consultation, fire modeling and egress analysis, fire detection and suppression systems design, security consultation and threat assessments, and litigation support. Mr. Devlin is active in the code development process and serves on several NFPA Technical Committees. He is Chair of the NFPA Technical Committee on Fire Protection Features (NFPA 101, Life Safety Code; and NFPA 5000, Building Construction and Safety Code). Mr. Devlin has extensive expertise in the difficult challenges that renovation, modernization, and adaptive re-use of historic structures present to the architectural and engineering community. Throughout his career, Mr. Devlin has worked on several projects that required unique performance-based design alternatives as a means to minimize the impact to a building's historic fabric.

### 19. RELEVANT PROJECTS

#	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION <i>(if applicable)</i>
A.	<b>Virginia State Capitol Renovation/Modernization</b> <i>Richmond, VA</i>	2008	2008
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Principal-in-Charge. Mr. Devlin served as principal-in-charge responsible for fire protection and life safety consultation services related to \$70 million building modernization and construction of a new underground visitor's center extension of this historic structure. Aon FPE's project role included fire protection/life safety consultation and design services including: Fire Hazards Analysis of the building to identify areas of noncompliance, establish fire safety goals, and develop recommendations for improved life safety and fire protection that maintain the building's historic interior and open monumental stairs; engineering analyses to predict the impact of fire and smoke movement through the building using computer-based fire models, and correlation with an occupant timed-egress analysis model; design and specification for the retrofit installation of fire suppression systems in the existing building, and installation of new system in the Extension; construction period services, including contractor shop drawing review and construction inspection services; and assisting in the negotiations with the state building and fire officials.		
B.	<b>US Supreme Court Building</b> <i>Washington, DC</i>	Ongoing	Ongoing
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Principal-in-Charge/Lead Consultant. Mr. Devlin serves as the principal-in-charge and lead consultant for fire protection/life safety services as part of the \$122 million building modernization program. Services provided include Fire Hazards Analysis of the building to identify areas of noncompliance, establish fire safety goals, and develop recommendations for improved life safety and fire protection that maintain the building's historic interior and open monumental stairs. Work included engineering analyses to predict the impact of fire and smoke movement through the building using computer-based fire models and correlation with an occupant timed egress analysis model. Additional scope of services included building and life safety code consulting; design and specification for the retrofit installation of fire suppression systems; construction period services including contractor shop drawing review and construction inspection services; and assisting in the negotiations with the fire marshal's office.		
C.	<b>American National Red Cross Historic Headquarters</b> <i>Washington, DC</i>	2007	2007
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Principal-in-Charge/Lead Consulting Engineer. Mr. Devlin served as the principal-in-charge / lead consulting engineer for the renovation of the American National Red Cross' historic Headquarters building. Aon FPE assessed the egress requirements and identified the required fire protection and life safety deficiencies for this historic building. Information identified through the analysis was then used to assist the ARC with design parameters and the approval of performance-based equivalencies for the renovation of this historic building. Aon FPE strove to provide the greatest possible preservation of this historic building, while ensuring the life safety of the renovation design.		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

*(Complete one Section E for each key person.)*

<b>12. NAME</b>	<b>13. ROLE IN THIS CONTRACT</b>	<b>14. YEARS EXPERIENCE</b>	
<b>Kirk Mettam, PE</b>	<b>Structural Engineering Consultant</b>	<b>A. TOTAL</b> 29	<b>B. WITH CURRENT FIRM</b> 14
<b>15. FIRM NAME AND LOCATION</b> <i>(City and State)</i> Robert Silman Associates <i>(Washington, DC)</i>			
<b>16. EDUCATION</b> <i>(Degree and Specialization)</i> Bachelor of Science in Civil Engineering Master of Science, Structural Engineering		<b>17. CURRENT PROFESSIONAL REGISTRATION</b> <i>(State and Discipline)</i> Professional Engineer - DC, VA, MD, WV, NY, CA	
<b>18. OTHER PROFESSIONAL QUALIFICATIONS</b> <i>(Publications, Organizations, Training, Awards, etc.)</i> Kirk Mettam, Director of RSA's Washington, DC office, has been involved in the practice of structural engineering and architecture throughout his professional career of 29 years. His experience extends to a variety of structure types including historic structures, high-rise office, retail and mixed-use developments, hospitals, hotels, airports, bridges and sports facilities. Professional Affiliations: ACI, AISC, ASCE, CTBUH, LABSE, ICC. Certifications: Green Roof Professional.			

### 19. RELEVANT PROJECTS

	<b>(2) YEAR COMPLETED</b>	
<b>(1) TITLE AND LOCATION</b> <i>(City and State)</i> <b>Virginia State Capitol Building</b> Restoration and Expansion Richmond, VA	<b>PROFESSIONAL SERVICES</b> 2008	<b>CONSTRUCTION</b> <i>(if applicable)</i> 2008
A. <b>(3) BRIEF DESCRIPTION</b> <i>(Brief scope, size, cost, etc.) AND SPECIFIC ROLE</i> <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Principal-in-Charge. Performed detailed investigations of the building structure, evaluating the existing structural systems, conditions and capacities, and establishing the scope for extensive, full-building renovations. RSA participated in the renovation and modernization of the facility, including a large, 30,000 square foot addition for new program space. RSA also provided services for the compilation of condition assessment data into a Master Plan for the State Capitol Complex of 27 buildings. Size: 120,000 sf; Cost: \$104.5 million.		
	<b>(2) YEAR COMPLETED</b>	
<b>(1) TITLE AND LOCATION</b> <i>(City and State)</i> <b>United States Supreme Court Building</b> Washington, DC	<b>PROFESSIONAL SERVICES</b> 2011	<b>CONSTRUCTION</b> <i>(if applicable)</i> 2011
B. <b>(3) BRIEF DESCRIPTION</b> <i>(Brief scope, size, cost, etc.) AND SPECIFIC ROLE</i> <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Principal-in-Charge. Modernization, combining new construction with historic preservation and renovation. New work includes a blast resistant lobby retrofit, an underground addition and a mezzanine framing level within the structure for high-density storage. Structural modifications included a reconfigured visitor's entry and a column removal below the main hall, both requiring careful design to minimize movements of the historically sensitive marble finishes. Mechanical upgrades required sub-grade trenching as well as floor and wall penetrations through historic building materials and systems. Size: (New Annex): 50,000 sf; Cost: \$122 million.		
	<b>(2) YEAR COMPLETED</b>	
<b>(1) TITLE AND LOCATION</b> <i>(City and State)</i> <b>Internal Revenue Service (IRS) Building</b> Washington, DC	<b>PROFESSIONAL SERVICES</b> 2001	<b>CONSTRUCTION</b> <i>(if applicable)</i> 2006
C. <b>(3) BRIEF DESCRIPTION</b> <i>(Brief scope, size, cost, etc.) AND SPECIFIC ROLE</i> <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Principal-in-Charge. Modernization of the 1928 Federal Triangle building by the General Services Administration. Scope included reconstruction of the entire basement slab structure, and support for new mechanical system with evaluation and investigation of the historic façade. RSA was responsible for the design of the new basement level structure, to replace slabs damaged due to soil subsidence and also for providing structural design services from conceptual design through construction. Work involved detailed non-destructive investigations and geotechnical investigations to determine the cause and potential alternate solutions to wholesale replacement of slabs. Size: 1.4M sf; Cost: \$50 million		
	<b>(2) YEAR COMPLETED</b>	
<b>(1) TITLE AND LOCATION</b> <i>(City and State)</i> <b>Historic DC Courthouse</b> Washington, DC	<b>PROFESSIONAL SERVICES</b> 2009	<b>CONSTRUCTION</b> <i>(if applicable)</i> 2009
D. <b>(3) BRIEF DESCRIPTION</b> <i>(Brief scope, size, cost, etc.) AND SPECIFIC ROLE</i> <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Principal-in-Charge. Major modernization of this circa 1820 building, and design of structural measures for the project, including the strengthening of a substantial segment of floor to accommodate two substantial new additions: a new three-level, below-grade parking structure to the west, and to the north, a new 40,000 square foot addition fronting onto Judiciary Square. Additional structural work included an existing conditions survey, blast related structural redundancy measures, seismic resistance, and blast resistant glazing option. Size: 78,000 sf; Cost: \$50 million.		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

*(Complete one Section E for each key person.)*

<b>12. NAME</b>	<b>13. ROLE IN THIS CONTRACT</b>	<b>14. YEARS EXPERIENCE</b>	
<b>Barry L. Maltz, PE, CFPS, LEED AP</b>	Lead MEP Engineer	<b>A. TOTAL</b> 43	<b>B. WITH CURRENT FIRM</b> 43
<b>15. FIRM NAME AND LOCATION</b> <i>(City and State)</i> Joseph R. Loring & Associates, Inc. <i>(New York, NY)</i>			
<b>16. EDUCATION</b> <i>(Degree and Specialization)</i> Bachelor of Science, Electrical Engineering Master of Science, Engineering Management		<b>17. CURRENT PROFESSIONAL REGISTRATION</b> <i>(State and Discipline)</i> Professional Engineer (Electrical): NY, DC, NJ, HI, PA, VA, DE, RI, CT, MA, GA LEED Accredited Professional Certified Fire Protection Specialist	

**18. OTHER PROFESSIONAL QUALIFICATIONS** *(Publications, Organizations, Training, Awards, etc.)*

Mr. Maltz has more than 42 years of experience in the engineering design of electrical systems for various new and renovation projects. He works closely with the design team in defining the basic responsibilities relative to project quality and in implementing and monitoring the quality control procedures by the operating divisions. Mr. Maltz is responsible for overseeing the electrical systems design to ensure that the design is practical and cost effective with the applicable codes and guidelines. Over the years, Mr. Maltz has been involved in most of the firm's major projects, including master planning, office buildings, courthouses, laboratories, airports and educational/residential projects. Currently, Mr. Maltz takes a very active role in all of the firm's special projects.

**19. RELEVANT PROJECTS**

	<b>(2) YEAR COMPLETED</b>	
<b>(1) TITLE AND LOCATION</b> <i>(City and State)</i> <b>Virginia State Capitol Building</b> Restoration and Expansion <i>Richmond, VA</i>	<b>PROFESSIONAL SERVICES</b>  2008	<b>CONSTRUCTION</b> <i>(if applicable)</i>  2008
A. <b>(3) BRIEF DESCRIPTION</b> <i>(Brief scope, size, cost, etc.) AND SPECIFIC ROLE</i> Lead MEP Engineer for renovation of the historic Virginia State Capitol. Prepared complete contract documents for the replacement of all mechanical, electrical and plumbing systems for this 180,000 sf State Capitol building. The building, first occupied in 1788, is one of the most significant and recognizable historic landmarks in the United States. As in all historic restorations, Loring was charged with integrating all MEP components with the building's interior design elements to meet the current and future needs of the building. The increased ventilation, power and extensive communications requirements for a state-of-the-art facility were integrated into the fabric of the historic interior, thus minimizing the visual impact of these systems. In addition to the replacement of all systems, the project also included a new 15,000 sf underground visitors center and a new 800-ton central chiller.	<input checked="" type="checkbox"/> <b>CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</b>	
	<b>(2) YEAR COMPLETED</b>	
<b>(1) TITLE AND LOCATION</b> <i>(City and State)</i> <b>The Patrick Henry Building</b> <i>Richmond, VA</i>	<b>PROFESSIONAL SERVICES</b>  2005	<b>CONSTRUCTION</b> <i>(if applicable)</i>  2005
B. <b>(3) BRIEF DESCRIPTION</b> <i>(Brief scope, size, cost, etc.) AND SPECIFIC ROLE</i> Principal Electrical Engineer for mechanical, electrical and plumbing services and a new electric utility service for the total renovation of this 211,000 sf, 8-story building. The entire electrical distribution system, central chiller plant, air handling systems, plumbing, fire alarm system, life safety and standby power systems were replaced. New stacked cores were provided to distribute modern technology data systems. The building was converted from its prior library and archive function to a modern office building for the Commonwealth. Existing multi-floor book stacks were removed and floors were in-filled to provide additional usable program area. Loring engineered the central refrigeration plant installed in the Old Library Building to accommodate the cooling requirements of the adjacent Virginia State Capitol.	<input checked="" type="checkbox"/> <b>CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</b>	
	<b>(2) YEAR COMPLETED</b>	
<b>(1) TITLE AND LOCATION</b> <i>(City and State)</i> <b>US Supreme Court Building</b> <i>Washington, DC</i>	<b>PROFESSIONAL SERVICES</b>  2011	<b>CONSTRUCTION</b> <i>(if applicable)</i>  2011
C. <b>(3) BRIEF DESCRIPTION</b> <i>(Brief scope, size, cost, etc.) AND SPECIFIC ROLE</i> Principal-in-Charge/QA/QC for engineering services for the renovation the 400,000 sf landmark U.S. Supreme Court Building. Responsibilities include the complete replacement of the HVAC and electrical systems, the partial upgrade of the plumbing systems and the installation of a new code compliant fire alarm, smoke detection and sprinkler alarm systems. The most critical element of the scope of work is the requirement that the building was to be maintained fully operational during construction.	<input checked="" type="checkbox"/> <b>CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</b>	
	<b>(2) YEAR COMPLETED</b>	
<b>(1) TITLE AND LOCATION</b> <i>(City and State)</i> <b>New Jersey State House Capitol Complex</b> <i>Trenton, NJ</i>	<b>PROFESSIONAL SERVICES</b>  1990	<b>CONSTRUCTION</b> <i>(if applicable)</i>  1994
D. <b>(3) BRIEF DESCRIPTION</b> <i>(Brief scope, size, cost, etc.) AND SPECIFIC ROLE</i> Principal-in-Charge for mechanical, electrical, plumbing and fire protection systems design for the modernization, expansion and historical restoration program of the New Jersey State House Complex. The program involved the historic renovation and restoration of two buildings including the Legislative Building and State Office Building (Annex). Also included was the construction of a new office building and modernization of the central utilities plant. The project also included the design of a 26.4kV switching station and a 5kV distribution system throughout the State House Capitol Complex.	<input checked="" type="checkbox"/> <b>CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</b>	

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

*(Complete one Section E for each key person.)*

<b>12. NAME</b>	<b>13. ROLE IN THIS CONTRACT</b>	<b>14. YEARS EXPERIENCE</b>	
<b>Gary Steffy, LC, FIALD, IES</b>	<b>Lighting Design Consultant</b>	<b>A. TOTAL</b> 35	<b>B. WITH CURRENT FIRM</b> 30

**15. FIRM NAME AND LOCATION** *(City and State)*  
 Gary Steffy Lighting Design, Inc. *(Ann Arbor, Michigan)*

<b>16. EDUCATION</b> <i>(Degree and Specialization)</i> Bachelor of Architectural Engineering, Environmental Option, The Pennsylvania State University, 1977	<b>17. CURRENT PROFESSIONAL REGISTRATION</b> <i>(State and Discipline)</i> Fellow, IALD; Member, IES; NCQLP Lighting Certified (LC); Penn State Outstanding Engineering Alum/2004; Author, Architectural Lighting Design, 2008 (Wiley); Author, Time-Saver Standards for Architectural Lighting, 2000 (McGraw Hill); Co-editor, IES 10th Edition Lighting Handbook (June 2011 publication date)
---	--

**18. OTHER PROFESSIONAL QUALIFICATIONS** *(Publications, Organizations, Training, Awards, etc.)*  
 Gary Steffy is principal designer and president, based in Ann Arbor, Michigan. His experience spans thirty five years and includes overseeing the new and restoration lighting designs for such landmarks as the 1879 Michigan Capitol the 1789/1906/1960 Virginia Capitol and expansion, the 1861 Ohio Statehouse. He is currently overseeing lighting design on the 1879 Illinois Statehouse, the 1866/1881/1903 Kansas Statehouse, the 1924 National Academy of Sciences Building in DC, the 1921/1926 Vance Federal Courthouse historic courtrooms in Birmingham, AL.

**19. RELEVANT PROJECTS**

<b>A.</b>	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Virginia State Capitol</b> <i>Richmond, VA</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2008	CONSTRUCTION <i>(if applicable)</i> 2008
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Lighting Design Consultant. Interior/exterior architectural lighting design on restoration, rehabilitation, and expansion of 1789/1906/1960 statehouse, including underground expansion and Bank Street Entry. Installed lighting costs est. US\$3,000,000. [Virginia State Capitol National Register 66000911]		
<b>B.</b>	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Kansas Statehouse</b> <i>Topeka, KS</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2013 (est.)	CONSTRUCTION <i>(if applicable)</i> 2013 (est.)
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Lighting Design Consultant. Lighting Design Consultant. Interior/exterior architectural lighting design on restoration, rehabilitation, and expansion of 1866/1881/1903 statehouse, including all historic spaces and new visitor center. Phased project commenced in 2001. Installed lighting costs est. US\$20,000,000. [Kansas State Capitol National Register 71000330]		
<b>C.</b>	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Illinois Statehouse (Phase II HVAC Project Lighting)</b> <i>Springfield, IL</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2012	CONSTRUCTION <i>(if applicable)</i> 2012
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Lighting Design Consultant. Interior architectural lighting design on restoration and rehabilitation of dining, public circulation, hearing room, and office spaces. Installed lighting costs est. US\$5,000,000. [Illinois Statehouse National Register 85003178]		
<b>D.</b>	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Cincinnati Museum Center at the Cincinnati Union Terminal</b> <i>Cincinnati, OH</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2010	CONSTRUCTION <i>(if applicable)</i> 2010
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Lighting Design Consultant. Interior architectural lighting design on restoration of historic dining rooms. Installed lighting costs est. US\$500,000. [Cincinnati Union Terminal National Register 72001018]		
<b>E.</b>	(1) TITLE AND LOCATION <i>(City and State)</i> <b>Cook Legal Research Reading Room, University of Michigan</b> <i>Ann Arbor, MI</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES 2009	CONSTRUCTION <i>(if applicable)</i> 2009
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Lighting Design Consultant. Interior architectural lighting design for historic University of Michigan Law School facilities, including the iconic reading room in 1931 and 1933 Law Quad building. Installed lighting costs est. US\$5,000,000. [University of Michigan Central Campus Historic District, National Register 78001514]		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

*(Complete one Section E for each key person.)*

12. NAME	13. ROLE IN THIS CONTRACT	14. YEARS EXPERIENCE	
<b>Michael Funk</b>	<b>Estimator</b>	A. TOTAL	B. WITH CURRENT FIRM
		35	33

**15. FIRM NAME AND LOCATION** *(City and State)*

International Consultants, Inc. *(Philadelphia, Pennsylvania)*

**16. EDUCATION** *(Degree and Specialization)*

Bachelor of Sciences, Construction Management, Spring Garden College, Philadelphia, Pennsylvania  
 Associate Degree of Science, Construction Engineering, Spring Garden College, Philadelphia, Pennsylvania

**17. CURRENT PROFESSIONAL REGISTRATION** *(State and Discipline)*

American Association of Cost Engineers  
 National Trust for Historic Preservation

**18. OTHER PROFESSIONAL QUALIFICATIONS** *(Publications, Organizations, Training, Awards, etc.)*

In his almost 40 years of experience, Michael Funk has gathered skills at cost estimating, life-cycle cost analysis, value engineering, change order review and negotiation, claims preparation and expert witness testimony. Michael has 30 years of experience in the development of budgetary, schematic, design development and construction document cost estimates. He has been the coordinator of all in-house cost consulting assignments and has extensive background in the development of estimates and schedules for projects initiated by both public and private "keepers" of historical places.

**19. RELEVANT PROJECTS**

	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
A.	<b>United States Supreme Court Building</b> <i>Washington, DC</i>	PROFESSIONAL SERVICES 1988-2004	CONSTRUCTION <i>(if applicable)</i> 2004-Current
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM
	Cost Estimator. Provided Preliminary through Construction Document cost estimates for interior restoration and renovation, complete systems modernization, new underground Addition and security upgrades. Construction value confidential.		
B.	<b>PA State Capitol Master Plan/Historic Restoration</b> <i>Harrisburg, Pennsylvania</i>	PROFESSIONAL SERVICES 1996-1998	CONSTRUCTION <i>(if applicable)</i> 1998
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM
	Cost Estimator. Provided cost estimating services for the exterior and interior restoration of historic facades and interior spaces of the Capitol Building and Annex with an approximate construction value of \$110 million.		
C.	<b>Cleveland Museum of Art, 1916 Building Restoration</b> <i>Cleveland, Ohio</i>	PROFESSIONAL SERVICES 2000	CONSTRUCTION <i>(if applicable)</i> 2001
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM
	Cost Estimator. Provided cost estimating services for restoration of main building facades, terraces, balustrades and landscaping with an approximate construction value of \$10 million.		
D.	<b>Independence National Historical Park</b> <i>Philadelphia, Pennsylvania</i>	PROFESSIONAL SERVICES 1998-2000	CONSTRUCTION <i>(if applicable)</i> 2003
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM
	Cost Estimator. Provided ongoing cost estimating services for different term contracts for site master plan, implementation projects, new infrastructure improvements, structural repairs, and historic restoration. Construction value of \$50 million.		
E.	<b>The National Gallery of Art</b> <i>Washington, DC</i>	PROFESSIONAL SERVICES 1998-2000	CONSTRUCTION <i>(if applicable)</i> N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE		<input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM
	Cost Estimator. Provided master planning and specific work order cost estimates for exterior façade restoration, interior restoration and renovation, complete systems upgrades and modernization. Construction value of \$360 million.		

## E. RESUMES OF KEY PERSONNEL PROPOSED FOR THIS CONTRACT

*(Complete one Section E for each key person.)*

<b>12. NAME</b>	<b>13. ROLE IN THIS CONTRACT</b>	<b>14. YEARS EXPERIENCE</b>	
<b>David Pedersen</b>	<b>Construction Manager</b>	<b>A. TOTAL</b>	<b>B. WITH CURRENT FIRM</b>
		<b>48</b>	<b>21</b>

**15. FIRM NAME AND LOCATION** *(City and State)*

Sage, Ltd. (Bozeman, Montana)

**16. EDUCATION** *(Degree and Specialization)*

Bachelor of Science, Civil Engineering, Iowa State University

**17. CURRENT PROFESSIONAL REGISTRATION** (STATE AND DISCIPLINE)

**18. OTHER PROFESSIONAL QUALIFICATIONS** *(Publications, Organizations, Training, Awards, etc.)*

David Pedersen graduated from Iowa State University in 1964 with a BS in Civil Engineering. He has been active in the construction industry for over 40 years in different roles from craftsman to company president. For the past 20 years, David has provided consulting and educational services to construction companies, architect/engineering firms and users of construction services. He strongly believes in the construction industry's potential to provide design and construction services in a radically improved manner. The over 40 year trend of declining productivity in the industry affords a great opportunity for those firms willing to challenge the status quo. David's teaching and consulting focuses on helping clients capture this potential.

**19. RELEVANT PROJECTS**

A.	(1) TITLE AND LOCATION <i>(City and State)</i>	(2) YEAR COMPLETED	
		PROFESSIONAL SERVICES	CONSTRUCTION (if applicable)
	<b>City of Phoenix, Department of Water Services</b> <i>Phoenix, Arizona</i>	2007	2010
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Program Manager for the Design and Construction and of a \$200 million Wastewater Treatment Facility utilizing the Construction Manager @ Risk Delivery Method.		
	<b>State of Wyoming</b>	2006	2011
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Advised and facilitated the CM@Risk selection process for \$200 million in construction projects		
	<b>EPA and CH2M Hill - Iron Mountain Super Fund Site</b> <i>Redding, California</i>	2002	N/A
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Value Engineering Team Member on the Procurement, Design & Construction Process for this \$20 mm Dam and Cleanup Project.		
	<b>Los Angeles Department of Water and Power</b>	2003	2009
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Disputes Review Board Member for \$120 million in several contracts to re-vegetate Owens Lake in California		
	<b>U.S. Bureau of Reclamation</b> <i>California and Oregon</i>	1999	2003
	(3) BRIEF DESCRIPTION <i>(Brief scope, size, cost, etc.)</i> AND SPECIFIC ROLE <span style="float: right;"><input checked="" type="checkbox"/> CHECK IF PROJECT PERFORMED WITH CURRENT FIRM</span> Disputes Review Board Member on \$20 million Cassitas Dam and \$8 million Clear Lake Dam Projects		

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>	
		<b>1</b>	
<b>21. TITLE AND LOCATION (CITY AND STATE)</b>		<b>22. YEAR COMPLETED</b>	
<b>Virginia State Capitol</b>   Richmond, VA		<b>PROFESSIONAL SERVICES</b> <b>2008</b>	<b>CONSTRUCTION (if applicable)</b> <b>2008</b>
<b>23. PROJECT OWNER'S INFORMATION</b>			
<b>A. PROJECT OWNER</b> Virginia Department of General Services	<b>B. POINT OF CONTACT NAME</b> Mr. Richard F. Sliwoski, P.E., Director	<b>C. POINT OF CONTACT TELEPHONE NUMBER</b> 804.786.3311	
<b>24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT</b> <i>(include scope, size, and cost)</i>			



Rotunda



The Restored Exterior - North Elevation

Designed in 1785, the Virginia State Capitol is one of the most historic structures in America, in continuous use since 1788. One of four buildings designed by Thomas Jefferson, it is considered the first major public project constructed after the signing of the Declaration of Independence and the first to introduce the classical vocabulary to American architecture, the appropriate architectural expression of America's fledgling democracy. Following a national search, the Commonwealth of Virginia selected Hillier/RMJM – with George C. Skarmas as design principal – to lead a multi-discipline team of nationally recognized experts in all areas of historic preservation in the building's restoration and expansion. This team included Dominique Hawkins of PDP, who acted as a specialty consultant dealing with several sensitive preservation issues.

**PROJECT DETAILS**

**COST:** \$104.5 million

**SIZE:** 90,000 SF (Restoration), 20,000 SF Addition

**RELEVANT FEATURES**

**RESPONSIBILITY:** Planning, Design and Preservation/Lead Architect

**COMPONENTS:** Master Plan, Full Restoration and Expansion

The project addressed a wide range of issues including but not limited to:

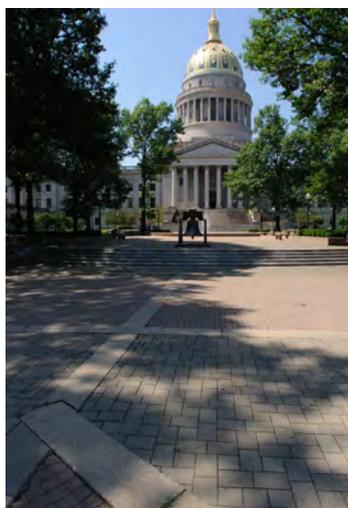
- » Identification, dating and documentation of the historic fabric of the building
- » Extensive historic research to determine the appropriate restoration period
- » Long-term preservation and restoration of materials, systems and assemblies
- » Unobtrusive introduction of new building systems and 21st-century technology
- » Security enhancements
- » Design of a below-grade visitor center and support facility
- » Retention and restoration of the John Nottman landscape design
- » Interpretation of significant historic artifacts in the overall visitor experience
- » Creation of a modern facility for the General Assembly of Virginia

The design followed the highest standards of historic preservation, extending the life of the building and its support systems for approximately 50 more years. All work was planned in a manner that respects the integrity of the historic structure without loss of valuable building fabric. This approach also allows for future renovations and systems replacements to be undertaken without impacting the building's historic architecture by utilizing the already established pathways. The restored Capitol was re-dedicated in May 2007, as part of the Jamestown 400th anniversary, hosting an address by the Queen of England, celebrating the first English speaking settlement in the New World. In 2008, the Capitol was nominated for the US Tentative List of World Heritage Sites and was recognized by the National Trust for Historic Preservation with the 2008 Honor Award. The project was led by George C. Skarmas, Founding Principal & Director of the Hillier/RMJM Studio [1996-2010]. PDP also participated as a consultant assisting in the coordination of the construction documents and the documentation of the Jeffersonian Millwork.

**25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT**

	<b>(1) FIRM NAME</b>	<b>(2) FIRM LOCATION (City and State)</b>	<b>(3) ROLE</b>
A.	Preservation Design Partnership, LLC	Philadelphia, PA	PDP served as a consultant to Hillier / RMJM, performing Construction Document coordination as well as documentation of 18th-century millwork.
B.	AON Fire Protection Engineering	Glenview, IL	Fire protection and life safety consultation services
C.	Gary Steffy Lighting Design, Inc.	Ann Arbor, MI	Lighting Design Consultant
D.	Robert Silman Associates	Washington, DC	Structural Engineering Consultant
E.	Joseph R. Loring & Associates, In.c	New York, NY	MEP/FP Design Engineers

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>	
		<b>2</b>	
<b>21. TITLE AND LOCATION (CITY AND STATE)</b>		<b>22. YEAR COMPLETED</b>	
<b>West Virginia Capitol Complex</b>   Charleston, WV		<b>PROFESSIONAL SERVICES</b> <b>2010</b>	<b>CONSTRUCTION</b> <i>(if applicable)</i> <b>N/A</b>
<b>23. PROJECT OWNER'S INFORMATION</b>			
<b>A. PROJECT OWNER</b> State of Virginia	<b>B. POINT OF CONTACT NAME</b> Robert P. Krause, P.E., AIA	<b>C. POINT OF CONTACT TELEPHONE NUMBER</b> 304.558.9018	
<b>24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT</b> <i>(include scope, size, and cost)</i>			



The West Virginia Capitol Building

The West Virginia Capitol Complex is an existing 55-acre campus, located in Charleston, West Virginia. Along with the State Capitol Building, designed by Cass Gilbert, the Capitol Complex includes buildings designed to house the State of West Virginia Archives and Cultural Center, the Division of Motor Vehicles, Division of Highways, Division of Personnel, the Governor's Mansion, and the historic home Holly Grove.

After a national search, Hillier/RMJM, in collaboration with Michael Baker Jr. and Heritage Landscapes, was selected to prepare a campus-wide Master Plan for the Capitol Complex. As Design Principal and Director of Preservation Architecture for Hillier/RMJM, George C. Skarmear led the team in the production of the Master Plan. The primary goals of the plan were to create a vision for the future, plan for deferred maintenance needs, provide for future expansion and recommend security and parking improvements for the campus in a comprehensive and holistic manner, while retaining the essence of the original vision and design, as originally shaped by Cass Gilbert's plan.

The plan addressed the following campus-wide issues:

- » Expanded Parking
- » Campus security
- » Pedestrian Circulation
- » Vehicular Circulation
- » Campus Expansion
- » Landscape Design and Detailing
- » Historic Landscapes
- » Accommodation of Public Events

Under Dr. Skarmear's direction, the Master Plan was prepared in a collaborative manner, engaging a wide range of government leaders, stakeholders, users and other entities. The design team compiled the existing documents and the assessments and prepared conclusions with respect to future development, transportation and infrastructure initiatives. The final Master Plan Draft included locations of future buildings and sidewalks, recommendations for parking, traffic flow, perimeter security, signage, landscaping, inventory of existing site conditions, and recommendations for utilities as they affected the overall Master Plan on the Capitol Campus. In 2010, the Master Plan was placed on hold when Governor Manchin became US Senator.



Aerial

<b>PROJECT DETAILS</b>
<b>COST:</b> N/A
<b>SIZE:</b> N/A
<b>RELEVANT FEATURES</b>
<b>RESPONSIBILITY:</b> Lead Planner/Architect
<b>COMPONENTS:</b> Master Plan

<b>25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT</b>		
<b>(1) FIRM NAME</b>	<b>(2) FIRM LOCATION</b> <i>(City and State)</i>	<b>(3) ROLE</b>
A. Preservation Design Partnership, LLC	Philadelphia, PA	Work performed by George C Skarmear, PhD, AIA, NCARB, AICP, while at Hillier / RMJM, as Founding Director and Principal of the Preservation Design Studio [1996-2010].

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>	
		<b>3</b>	
<b>21. TITLE AND LOCATION (CITY AND STATE)</b>		<b>22. YEAR COMPLETED</b>	
<b>Patrick Henry Building</b>   <i>Richmond, VA</i>		<b>PROFESSIONAL SERVICES</b> <b>2005</b>	<b>CONSTRUCTION</b> <i>(if applicable)</i> <b>2005</b>
<b>23. PROJECT OWNER'S INFORMATION</b>			
<b>A. PROJECT OWNER</b> Virginia Department of General Services	<b>B. POINT OF CONTACT NAME</b> Mr. Richard F. Sliwoski, P.E., Director	<b>C. POINT OF CONTACT TELEPHONE NUMBER</b> 804.786.3311	
<b>24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT</b> <i>(include scope, size, and cost)</i>			



The Restored Exterior

Originally known as the Old State Library, Archives & Supreme Court Building, the Patrick Henry Building is a landmark Art Deco structure erected on Richmond's Capitol Square during the New Deal era. The building was designed to house the Commonwealth's Supreme Court, the State Library and the Archives. Following a national search, the Commonwealth of Virginia selected the HillierARCHITECTURE [now RMJM] team, under the leadership of Dr. George C Skarneas, AIA, as the design and preservation principal, to lead a multi-discipline design team in the restoration and adaptive reuse of the building as the first Executive Office Building of the Commonwealth to house the Governor's Office, the Governor's Cabinet, key state agencies and the General Assembly, while the Capitol building was undergoing restoration and expansion.

**PROJECT DETAILS**

**COST:** \$35 million

**SIZE:** 211,000 SF

**RELEVANT FEATURES**

**RESPONSIBILITY:** Planning, Architecture, Historic Preservation

**COMPONENTS:** Planning to Construction



The Rotunda

The main idea of the design approach was inspired by the original design of the building as a library, containing a significant amount of stack areas, generous reading rooms, a monumental Courtroom and the structural capacity to accommodate additional loads needed for a new internal structural reconfiguration. Through a careful study of the history of the building it was revealed that a major addition was completed in 1970 that added four additional levels of stack areas. This structural capacity became the key to reusing the building in a creative, sensible, sensitive and sustainable way. The original building contained approximately 250,000 square feet of space, most of which was used for storage of books and documents. The design called for the removal of all stack areas and the creation of an atrium that would bring natural light to all floor areas that had no exterior windows. A new core of elevators and stairs was designed to meet the new program of the building and the two entrances were connected to allow the historic lobby to become the focal point of the new design.

The Reading Rooms were re-designed to accommodate the House and Senate Chambers and the Supreme Court Courtroom was adaptively reused to become the Governor's Cabinet Conference Room. The design resulted in a reduction of the gross area from 250,000 square feet to 211,000 square feet, thereby allowing significant structural loads to be traded to accommodate new floors, stairs and elevator cores. For two sessions, the Patrick Henry Building provided twenty first century accommodations for the General Assembly and state-of-the-art offices for the Governor, the Cabinet and key agencies.

Today, the building continues to function as the Executive Office Building of the Commonwealth of Virginia and the reading rooms are used as multi-purpose areas and training facilities. The project won several design and preservation awards and is viewed by the Department of General Services as one of the most successful reuse projects in the recent history of the Commonwealth.

<b>25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT</b>			
<b>A.</b>	<b>(1) FIRM NAME</b> Preservation Design Partnership, LLC	<b>(2) FIRM LOCATION</b> <i>(City and State)</i> Philadelphia, PA	<b>(3) ROLE</b> Design Principal and Lead Architect
<b>B.</b>	<b>(1) FIRM NAME</b> Robert Silman Associates	<b>(2) FIRM LOCATION</b> <i>(City and State)</i> Washington, DC	<b>(3) ROLE</b> Structural Engineering Consultant
<b>C.</b>	<b>(1) FIRM NAME</b> AON Fire Protection Engineering	<b>(2) FIRM LOCATION</b> <i>(City and State)</i> Glenview, IL	<b>(3) ROLE</b> Fire protection and life safety consultation services
<b>D.</b>	<b>(1) FIRM NAME</b> Joseph R. Loring & Associates, Inc	<b>(2) FIRM LOCATION</b> <i>(City and State)</i> New York, NY	<b>(3) ROLE</b> MEP/FP Design Engineers
<b>E.</b>	<b>(1) FIRM NAME</b> Gary Steffy Lighting Design, Inc.	<b>(2) FIRM LOCATION</b> <i>(City and State)</i> Ann Arbor, MI	<b>(3) ROLE</b> Lighting Design Consultant

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>	
		<b>4</b>	
<b>21. TITLE AND LOCATION (CITY AND STATE)</b>		<b>22. YEAR COMPLETED</b>	
<b>Cincinnati Museum Center at the Union Terminal   Cincinnati, OH</b>		<b>PROFESSIONAL SERVICES</b> <b>Ongoing</b>	<b>CONSTRUCTION (if applicable)</b> <b>2009</b>
<b>23. PROJECT OWNER'S INFORMATION</b>			
<b>A. PROJECT OWNER</b> Cincinnati Museum Center	<b>B. POINT OF CONTACT NAME</b> Mr. Douglas W. McDonald, President + CEO	<b>C. POINT OF CONTACT TELEPHONE NUMBER</b> 513.287.7006	
<b>24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT</b> <i>(include scope, size, and cost)</i>			



Aerial View



Main (East) Elevation

The Cincinnati Union Terminal is one of the most significant Art Deco buildings in America. Designed by the noted architectural firm of Fellheimer and Wagner of New York, known for their expertise in planning and designing railroad facilities, with Paul Philippe Cret as the designer, it was the architectural, planning and urban design tour-de-force of its era. The Terminal brought together seven railroad companies "under one roof," creating one of the earliest intermodal transportation hubs in America, connecting trains, buses, light rail and automobiles, in a spectacular design composition. The Terminal became the "Gateway to the West", reaching its peak during World War II, when tens of thousands of passengers and military personnel were transported across the country. Following the decline of the railroads, the Terminal deteriorated and was threatened by demolition after a series of unsuccessful [re]use attempts. In the late 1980s, a grassroots effort saved the Terminal, and the building became a museum with the help of a tax levy. Known today as the Cincinnati Museum Center, it is the home of the Cincinnati History Museum, the Museum of Natural History & Science, the Duke Energy Children's Museum and an Omnimax Theater.

<b>PROJECT DETAILS</b>
<b>COST:</b> \$250 million (estimated)
<b>SIZE:</b> 500,000 SF
<b>RELEVANT FEATURES</b>
<b>RESPONSIBILITY:</b> Planning, Design and Preservation/Lead Architect
<b>COMPONENTS:</b> Master Plan and Project 1.

Most of the funds raised through the tax levy, a grant from the state and a small contribution by the City of Cincinnati, were invested in making the building operational and installing new exhibits, with very little allocated to the preservation, restoration and renovation of this iconic landmark structure nor any envelope enhancements to address condensation issues associated with the conversion of formerly unconditioned spaces to museum uses. Following a national search, the design team of Hillier/RMJM / glaserworks was selected to undertake a master plan focusing on the needs of the building and the site for the next fifty years. Under the leadership of George C. Skarmeas, the Master Plan was completed in 2006, identifying a program of \$150 million in building needs and approximately \$100 million in site improvements, parking, restoration of the overpass and other urban design enhancements.

The plan was adopted by the Board of the Museum. One of the recommendations of the plan was to undertake a project that would demonstrate the potential of the building, as well as protect rare finishes, murals and decorative elements that were left untouched in the 1990s [re] use campaign, in addition to setting the process of the comprehensive restoration of the exterior building envelope. This \$10 million project was completed in 2010 and in 2011, the Museum retained PDP to prepare a sustainability plan for the future of the site and the venerable building. PDP continues to advise the Museum as the fundraising campaign is underway to secure \$150 million for the full restoration of this national historic landmark.

<b>25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT</b>			
<b>A.</b>	<b>(1) FIRM NAME</b> Preservation Design Partnership, LLC	<b>(2) FIRM LOCATION (City and State)</b> Philadelphia, PA	<b>(3) ROLE</b> Design Principal and Lead Architect. PDP was also engaged in the Master Plan with Ms. Hawkins serving as a Co-Principal
<b>B.</b>	<b>(1) FIRM NAME</b> Gary Steffy Lighting Design, Inc.	<b>(2) FIRM LOCATION (City and State)</b> Ann Arbor, MI	<b>(3) ROLE</b> Lighting Design Consultant
<b>C.</b>	<b>(1) FIRM NAME</b> Robert Silman Associates	<b>(2) FIRM LOCATION (City and State)</b> Washington, DC	<b>(3) ROLE</b> Structural Engineering Consultant

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>	
		<b>5</b>	
<b>21. TITLE AND LOCATION (CITY AND STATE)</b>		<b>22. YEAR COMPLETED</b>	
<b>Historic DC Courthouse (DC Court of Appeals) Historic Renovation and Restoration</b>   <i>Washington, DC</i>		<b>PROFESSIONAL SERVICES</b> <b>2009</b>	<b>CONSTRUCTION</b> <i>(if applicable)</i> <b>2009</b>
<b>23. PROJECT OWNER'S INFORMATION</b>			
<b>A. PROJECT OWNER</b> District of Columbia Courts	<b>B. POINT OF CONTACT NAME</b> Joseph Sanchez	<b>C. POINT OF CONTACT TELEPHONE NUMBER</b> 202.879.2888	
<b>24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT</b> <i>(include scope, size, and cost)</i>			



This project demonstrates that the firm and proposed personnel have experience in the design and review of new construction and renovation projects, as well as architectural and engineering design review, preparation of design documents and in other services relating to federal building design and construction, including inspection. It also demonstrates capabilities for providing technical report writing and technical editing.

**PROJECT DETAILS**

**COST:** \$130 million

**SIZE:** 40,000 SF, addition; 99,000 SF, parking

**RELEVANT FEATURES**

**RESPONSIBILITY:** Mechanical, electrical, plumbing engineering design services

**COMPONENTS:** Restoration, modernization, expansion

Originally designed by George Hadfield in 1820 and completed in 1849 to serve as the first DC City Hall, the Old DC Courthouse is a National Historic Landmark and a prominent structure on Washington's Judiciary Square. The building was modified in the 1880' and again 1916 and 1930. More recently, it had been vacated in 1998 and was in need of restoration, to revive its previous grandeur. An expansion was also needed, to provide much-needed court space for the Court of Appeals. Beyer Blinder Belle's design features a new entrance pavilion on the north façade to replace a portico designed by Edward Clark that was removed during the early 20th century. Although modern, its design harmonizes with the historic structure. Its previous entrance on the building's south façade, with its grand steps leading to a colonnaded portico, was preserved.

As part of the grand approach to the new Ceremonial Courtroom being installed in the basement, a pre-function space was designed that serves as a gallery and events area. This space houses an exhibit of portraits, photographs, and artifacts that conveys the history of the District of Columbia Appellate Courts, the history of the national history landmark, and the history of Judiciary Square. In addition to the programming and space planning of the courthouse function, the team worked with the DCDC Courts Judges to develop the program for the museum/exhibit space in the ceremonial space.

As part of the DC Court consolidation program, the scope of this project includes a total renovation and restoration of the original building while upgrading its infrastructure to "state-of-the-art" level, and converting facilities to serve as the new DC Court of Appeals. The programs called for a 40,000 SF addition and a 2-level, 90,000 SF underground parking structure, including a 4-pipe fan coil unit system, chiller, cooling towers and air handling system. In addition to courtrooms, the building contains a library and a ceremonial courtroom.

Loring provided mechanical, electrical and plumbing engineering design services for the restoration, modernizations, expansions and conversions of this 99,000 SF historic structure. Loring was awarded the 2010 GSA Design Award Preservation Citation for the Historic District of Columbia Courthouse.

<b>25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT</b>			
<b>A.</b>	<b>(1) FIRM NAME</b> Joseph R. Loring & Associates, Inc.	<b>(2) FIRM LOCATION (City and State)</b> New York, NY	<b>(3) ROLE</b> MEP/FP Design Engineers
<b>B.</b>	<b>(1) FIRM NAME</b> Robert Silman Associates	<b>(2) FIRM LOCATION (City and State)</b> Washington, DC	<b>(3) ROLE</b> Structural

<b>F. EXAMPLE PROJECTS WHICH BEST ILLUSTRATE PROPOSED TEAM'S QUALIFICATIONS FOR THIS CONTRACT</b> <i>(Present as many projects as requested by the agency, or 10 projects, if not specified. Complete one Section F for each project.)</i>		<b>20. EXAMPLE PROJECT KEY NUMBER</b>	
		<b>6</b>	
<b>21. TITLE AND LOCATION (CITY AND STATE)</b>		<b>22. YEAR COMPLETED</b>	
<b>California State Capitol Building and Grounds</b>   <i>Sacramento, California</i>		<b>PROFESSIONAL SERVICES</b> <b>2003</b>	<b>CONSTRUCTION</b> <i>(if applicable)</i> <b>2006</b>
<b>23. PROJECT OWNER'S INFORMATION</b>			
<b>A. PROJECT OWNER</b> California Department of General Services	<b>B. POINT OF CONTACT NAME</b> Anne Cavanagh	<b>C. POINT OF CONTACT TELEPHONE NUMBER</b> 916.376.1695	
<b>24. BRIEF DESCRIPTION OF PROJECT AND RELEVANCE TO THIS CONTRACT</b> <i>(include scope, size, and cost)</i>			



The California State Capitol and Capitol Park are true symbols of the rich diversity and history of birth and ongoing life in California. The Senate Rules Committee of the California State Senate requested architectural and engineering services for the design and implementation of security improvements at the Capitol and surrounding park. HDR was responsible for architectural, structural, mechanical, electrical, security, sustainable design, hazardous materials handling, and engineering.

**PROJECT DETAILS**

**COST:** Confidential per client's request

**SIZE:** 1,790 SF / two visitor pavilions, Perimeter protection was provided for about 22 acres of the park surrounding the capitol building

**RELEVANT FEATURES**

**RESPONSIBILITY:** Architectural, structural, mechanical, electrical, security, sustainable design, hazardous materials handling and engineering

**COMPONENTS:** Historic preservation, Preserving landscape integrity, Federal Interagency Security Committee (ICS) criteria, Vehicle resistive active and static bollards, Planters, Landscape cable barriers



**The main areas of work addressed:**

The team planned and designed countermeasures to deter unauthorized vehicle entrance onto the historic Capitol grounds to protect against vehicular attack. The design includes a combination of decorative vehicle barrier types that provide the required protection without detracting from the natural aesthetics of the Capitol campus. HDR designed new portico enclosures providing access for the handicapped at the Annex south and north entrances. The security design includes weapons and explosives detection systems for screening staff and visitors entering the historic Capitol building.



<b>25. FIRMS FROM SECTION C INVOLVED WITH THIS PROJECT</b>			
<b>A.</b>	<b>(1) FIRM NAME</b> HDR	<b>(2) FIRM LOCATION</b> <i>(City and State)</i> Sacramento, CA	<b>(3) ROLE</b> Prime

**G. KEY PERSONNEL PARTICIPATION IN EXAMPLE PROJECTS**

26. NAMES OF KEY PERSONNEL <i>(from Section E, Block 12)</i>	27. ROLE IN THIS CONTRACT <i>(from Section E, Block 13)</i>	28. EXAMPLE PROJECTS LISTED IN SECTION F <i>(fill in "Example Projects Key" section below before completing table. Place "X" under project key number for participation in same or similar role).</i>									
		1	2	3	4	5	6	7	8	9	10
Tom Whetstone, AIA, LEED AP BD+C	Project Principal										
Charlie Van Over, AIA	Project Manager										
George C. Skarmeas, PhD, AIA, AICP, NCARB	Design Principal + Lead Architect	X	X	X	X						
Dominique M. Hawkins, AIA, NCARB, LEED AP	Design	X	X	X	X						
Mike Rodriguez, AIA, EDAC, LEED AP	Design - Advisor										
John Devlin, PE	Fire Protection Engineer / Building Code Consultant	X		X							
Kirk Mettam, PE	Structural Engineering Consultant	X		X	X	X					
Barry L. Maltz, PE, CFPS, LEED AP	MEP/FP Design Engineers	X		X		X					
Gary Steffy, LC, FIALD, IES	Lighting Design Consultant	X		X	X						
Michael Funk	Estimator										
David Pedersen	Construction Management										

**29. EXAMPLE OF PROJECT KEY**

NO.	TITLE OF EXAMPLE PROJECT <i>(from Section F)</i>	NO.	TITLE OF EXAMPLE PROJECT <i>(from Section F)</i>
1	Virginia State Capitol	6	California State Capitol Building and Grounds
2	West Virginia Capitol Complex	7	
3	Patrick Henry Building	8	
4	Cincinnati Museum Center at the Union Terminal	9	
5	Historic DC Courthouse (DC Court of Appeals)	10	

## PROJECT TEAM

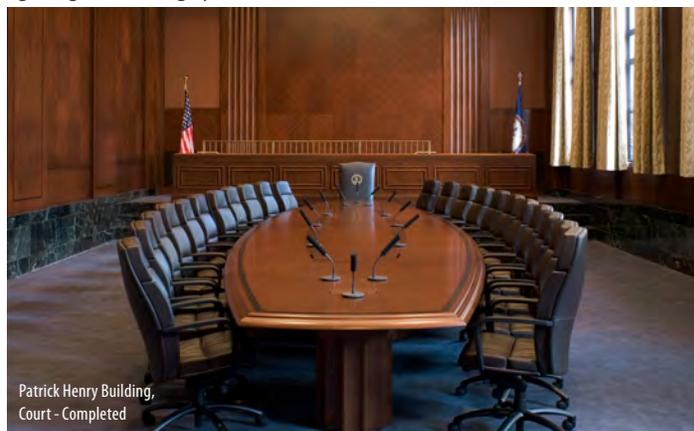
As a full-service Architectural, Engineering, Environmental Science, Planning, and Consulting Firm, HDR Architecture, Inc. excels at managing complex projects and solving unique challenges for our public and private sector clients.

As the Architect of Record, HDR is solely responsible to the State of Wyoming for the performance of the Project Team. We will coordinate the activities of our Team in a transparent and collaborative manner.

HDR Architecture brings local leadership and national expertise to the project, and Plan One brings Wyoming horsepower and proven experience with building across the entire State of Wyoming. Plan One is not just another Wyoming firm. Plan One is the architecture firm in the State to bring the knowledge, care, and horsepower to Cheyenne. Plan One has proven their ability to serve the entire state for a broad range of project types, including historically significant structures.

The HDR / Plan One team is not a new team put together for this project. HDR and Plan One, and in particular Tom Whetstone and Charlie Van Over, have been working collaboratively for over three years now, and have found alignment in our philosophy of client service and synergy in architectural solutions.

We are very pleased to add the Preservation Design Partnership to our team. The Preservation Design Partnership specializes in historic, monumental buildings and brings a wealth of experience, balanced with care and critical thinking, to ensure a successful project. More than just taking care of the renovation and restoration of your building, the Preservation Design Partnership understands the operations of Capitol buildings. Tremendous sensitivity and creativity are required to marry the historic beauty of your building with modern governance, data, lighting and voting systems.



Patrick Henry Building, Court - Completed

We believe it is profoundly important for this Level I & II Study to fully capture the needs, value, and aspirations of the State. Clearly this study must be a reliable treatise that captures the scope work to be completed, the process to be undertaken, and the costs that may be expected. When working with historic structures, surprises are a perennial possibility; however, these risks can be minimized significantly with an experienced team. Our leadership team is complimented with the following Core Team:

- » Robert Silman Associates - structural
- » Joseph R. Loring & Associates, Inc.– mechanical / electrical
- » AON Fire Protection Engineering– code compliance & fire protection
- » Gary Steffy Lighting Design, Inc.- lighting design
- » International Consulting, Inc. – estimator

This entire group has worked with the Preservation Design Partnership on their most important projects. This continuity of trust and teamwork translates directly to the benefit for the State of Wyoming. Furthermore, this leadership/core team draws on the collective experience of ten State Capitols.

We also believe the process for delivering this project must be studied in detail during this Level I & II Study. Schedule requirements and best procurement methods may vary significantly with the various specialized elements of work to restore your Capitol building. Some elements may be best procured by bidding, and some elements may be best procured in a Design-Assist arrangement, and still other elements may need a special, hybrid delivery process. An objective, detailed view to scheduling and procuring methods that specialized work requires for your project is simply required to afford the State with a reliable scope, schedule, and cost plan for the project. To this end we include Dave Pederson on our team. Dave has been a reliable, trusted advisor to the State and is the perfect consultant to guide our construction delivery expectations.

Our Project Team has been assembled to ensure the resources needed are available. This creates a rather large team that can be overwhelming. Our team is organized into groups to simplify the project process for the State. The Leadership and Core Team represent the leadership which will represent the project to the State. This team represents the primary components in defining the project. The Resource Team includes equally accomplished professionals which will contribute to the project in a supporting role. The Resource Team will be valuable in providing a complete understanding of the project needed in defining a project to meet the State's needs.

- » WaveGuide – acoustics are of paramount importance in Capitol buildings. This firm is expert in audio/visuals in creating in integrating effective acoustic systems in historic structures.
- » Wood Forensics – obviously, great care is needed with your structure. Anthony & Associates works consistently with Robert Silman Associates and is a trusted expert.

- » Geotechnical – we want to recommend a geotechnical engineer for this level of study for the specialized, delicate exploration of your historic structure. Typically not under the Architect Agreement, we believe this important work warrants further discussion with the State.
- » Elevator – Lerch Bates is a national expert with elevator systems in historic structures.
- » Security – whereas we understand the State of Wyoming is committed to an open government, some discrete measures may be desired. HDR has the expertise to support an appropriate facility security approach
- » Martin|Martin Wyoming – supporting structural – Martin|Martin Wyoming, located in Cheyenne, is an indispensable asset to Cheyenne and is available to support Robert Silman & Associates as a local liaison.
- » Benchmark – civil – Scott Larson knows Cheyenne, and will be a valuable resource in working with City Building and Utility authorities.
- » RimRock – The IT consultant is a regular partner with HDR Denver and Wyoming.
- » Rider Levette Bucknall – supporting estimating – Peter Knowles participated with the specialized estimating of the Colorado State Capitol Dome project and is available to our team to lend a local eye to the estimating effort.

This group of support consultants brings experience with additional Capitol projects.

## AVAILABILITY

HDR and the entire team presented here, has dedicated senior-level professionals for the State Capitol Level I and Level II studies. These key individuals are committed to your project for the duration of the project. Their selection for this project has been carefully considered and is based on their relevant experience and their availability to commit the necessary time and effort to perform effectively and efficiently. An essential aspect of HDR's success stems from the stability of our Core Team and their consistent involvement throughout the design and construction process.



Cincinnati Museum Center at the Union Terminal (after)

**H. ADDITIONAL INFORMATION**

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.



Virginia State Capitol

**PREAMBLE**

The Wyoming State Capitol is a nationally recognized historic landmark that is the symbolic and physical manifestation of the state's government and a resource that belongs to all the citizens of the State of Wyoming.

Planning for the future of such an important resource is an undertaking that requires:

- » Experience in providing outstanding planning and design services for state capitols and significant historic government facilities
- » Nationally recognized expertise in dealing with the complex issues associated with the long term use and care of monumental historic landmark buildings
- » Unparalleled record in organizing, structuring, managing and delivering complex projects
- » Intimate knowledge of performing this type of work for public sector clients and government agencies, and specifically the State of Wyoming.

The HDR Team brings to this project exactly these dimensions, credentials, record of accomplishments, as well as numerous planning, design and preservation awards of preservation and design excellence, all won for projects of very similar nature, complexity and significance.

**CREATING A PLAN FOR THE FUTURE**

Every Capitol building is unique and has its own set of issues and specific needs. Creating a plan for the future would require addressing the following:

**PROGRAMMING**

Our experience indicates that, while the constitutional structures of any of our states have not changed for several decades now, the needs, complexities and necessary support services for the citizens of every state have increased, requiring a careful programming exercise to ensure that any investment that is made towards the continuing use, long term preservation and stewardship of this Capitol takes into consideration the changing needs of the State of Wyoming. This complex task will be led by George C Skarmas of PDP. His experience includes several projects of similar complexity, including the Pennsylvania State Capitol, the Virginia State Capitol, the West Virginia State Capitol, the Patrick Henry Building – Virginia's Executive Office Building - and the US Supreme Court Building, all major initiatives with cumulative construction value in excess of \$300 million

**ASSESSMENT OF EXISTING CONDITIONS**

From the Dome and all roofing systems to interior historic finishes, murals and unique historic building materials and assemblies, the preparation of plan for the future requires that a careful assessment of the existing conditions is undertaken to identify all building needs and create a Scope of Work for both the exterior building envelope and all interior areas of the building. As stated earlier, the HDR Core Team brings to this project unparalleled expertise, experience and record of accomplishments, forged over 10 historic state capitols.

**H. ADDITIONAL INFORMATION**

**30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.**



Historic dining rooms following restoration Cincinnati Museum Center at the Union Terminal

**BUILDING SYSTEMS AND INFRASTRUCTURE ASSESSMENT**

The vast majority of our historic capitols were designed before the introduction of integrated heating, ventilation and air conditioning systems, as well as contemporary electrical and other infrastructure, such as tele-data, IT technology, low voltage systems, etc.

Creating a fully integrated plan of all of these systems is a critical component of a plan for the future for a wide range of reasons, including:

- » The cost of these systems represents well over 35% of a budget of a comprehensive renovation program.
- » The infrastructure and building systems are designed to meet current environmental comfort and performance requirements of a mission critical facility and ensure continuation of the government functions.
- » They require careful planning and design of all pathways, selection and placement of terminal devices, and integration of functions, all accomplished without impacting the historic and architectural integrity and character of such a historic resource.

Loring is a nationally respected firm specializing in building systems and infrastructure and have successfully delivered numerous projects of similar nature, including the Virginia State Capitol, the US Supreme Court Building and the Patrick Henry Building, in collaboration with all the other HDR Core Team members.

**RISK ASSESSMENT, CODE AND ADA COMPLIANCE**

The vast majority of our historic capitols were designed and constructed several decades ago, before the introduction of building codes, life safety and accommodations for the disabled. From archaic materials and building assemblies to single volume spaces that connect several levels of a building through an open Rotunda and several open monumental stairs, understanding the performance of a building is crucial in addressing these issues.

The HDR Core Team, with the participation of AON, brings to this project state-of-the-art Performance Based Code Analysis modeling techniques that can predict the behavior of a historic resource, such as the Wyoming State Capitol, to prepare a comprehensive risk assessment and compliance plan that would bring a building to contemporary standards without impacting its historic and architectural integrity, as was done in several of the major projects already presented in this submission. Again, the leading members of the HDR Core Team have worked with AON at the US Supreme Court Building and the Virginia State Capitol Projects, in exactly this type of capacity.



Virginia State Capitol Senate Chambers following restoration

**FF&E**

Unlike most monumental historic landmarks, a state capitol has unique dimensions and requires a wide range of furniture, fixtures and equipment, including voting systems, wireless technology, audio visual support, exhibits, special lighting, etc., in addition to historic furnishings, artifacts and exhibits.

Having the knowledge and the experience of addressing these very specific project requirements provides the assurance that all aspects of the project are addressed in an integrated way, proactively and not as an afterthought, ensuring that every element of the project is identified, integrated and receives its proper attention in a complex sequence of implementation, as our team leaders did at the Virginia State Capitol.

## H. ADDITIONAL INFORMATION

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

### COST ESTIMATING

Last but not least, assigning the proper values in a cost estimate for a project involving a monumental national historic landmark, such as the Wyoming State Capitol, requires expert knowledge, access to a data base of specialized preservation trades and the ability to make accurate adjustments for local conditions. International Consultants, Inc., ICI, is nationally recognized for their expertise in this specific area of professional practice and has successfully collaborated with all the members of the HDR Core Team on most of the projects featured in this submission. One of the reasons why these projects were successful was that the presence of reliable and construction cost estimate that addressed all issues associated with the specific dimensions of those historic buildings, as well as projected these costs accurately in phased implementation plans.



United State Supreme Court Building

### PLANNING AND SEQUENCE OF CONSTRUCTION

Undertaking a comprehensive building campaign in an historic capitol building can be approached in one of two ways. The first would be to move all occupants to another location for the duration of the project and bring them back at the end of the project. This is the most cost efficient way of undertaking such a project. Members of the HDR Leadership and Core Team successfully completed this exact sequence of events for the Commonwealth of Virginia. After a careful planning and programming analysis, the Old State Library, Archives & Supreme Court Building, was renovated to house the Leadership of the Executive Branch of Government, including the Governor's Office and the Cabinet, as well as the House and the Senate, along with the offices of the two Clerks. The renovation was designed for not only this transitional period, but for permanent use by the Executive Branch, including the Governor. Upon completion of the project, the renovated building was renamed The Patrick Henry Building of the Commonwealth of Virginia. The team then focused on the restoration and expansion of the historic Capitol that was originally designed by Thomas Jefferson [1785] and was enlarged in two building campaigns [1904 – 10 and 1960s]. The restoration and expansion of the Capitol was completed on time, allowing the historic setting to host the Jamestown 400 Celebration and the address of the Joint Session by Queen Elizabeth. Undertaking a project in this manner provided the following benefits:

- a. Construction Cost and Schedule could be controlled very tightly.
- b. There was enough time for all occupants, i.e. House, Senate and Governor's Office, to use this time to restore historic furnishings, procure new systems, install a new voting system, etc., all items requiring long lead for selection, procurement and installation, thereby not impacting their operations while these activities were underway. More importantly, procurement was undertaken using competitive practices allowing the Commonwealth to get the best value.
- c. All of the components of the project, from base building restoration to installation of exhibits and artifacts, were planned, designed and executed in the most thoughtful way.

On the other hand, in some projects do not present such an opportunity and all work may have to be done while the building remains in operation and fully occupied. An example is the Supreme Court of the US. Members of the HDR Leadership and Core Teams, developed a plan for the a sequenced undertaking that included moving non-essential functions from the Court to an off-site location, constructing a permanent underground facility to house mission critical functions, creating on site swing space and finally undertaking the Modernization of the US Supreme Court Building, as the project is officially known. The Virginia Capitol, The Patrick Henry Building and the US Supreme Court Building projects were all undertaken by the key members of the HDR team, under the planning and design leadership of George C Skarmear, who will also perform in the same capacity for the HDR team.

**H. ADDITIONAL INFORMATION**

30. PROVIDE ANY ADDITIONAL INFORMATION REQUESTED BY THE AGENCY. ATTACH ADDITIONAL SHEETS AS NEEDED.

**INSURANCE**

HDR Architecture, Inc. carries professional liability insurance with Zurich American Insurance Company and carries Workers' Compensation insurance with New Hampshire Insurance Company.

HDR's Excess Liability/Umbrella coverage can be increased to meet the requirements identified in your Request for Proposal.

**PRESENT VOLUME OF WORK****HDR ARCHITECTURE**

HDR is one of the largest and most experienced design firms in the country. HDR maintains a large volume of active projects in various stages of design and construction. We maintain sufficient staff to deliver the highest quality service to our clients. We have further reviewed this specific issue with each of our team members. Every firm on our team is a robust and active firm which is remaining strong in this challenging economic climate. This project's timing works very well with the work loads of HDR Denver and our teammates: we all have sufficient capacity for this work, with 'elbow room.'

Part of our success stems from the stability of our project teams assigned to each project and their consistent involvement throughout the design and construction process. We consistently maintain sufficient experienced staff to deliver the highest quality service to our clients.

**VOLUME OF WORK AWARDED****STATE OF WYOMING EXPERIENCE:****HDR ARCHITECTURE**

- » State Veterinary Laboratory
- » Public Health & Crime Lab
- » State Office Building
- » Landers County Facility Evaluation
- » Evanston Master Plan & Campus Evaluation

**PLAN ONE / ARCHITECTS**

- » Wyoming Retirement Center Nurses Station
- » Public Service Commission Study
- » Pioneer Home - ADA Remodel
- » Wyoming Training Center Rothwell
- » Wyoming Training Center HVAC & Building Envelope Study
- » WSF Structural Evaluations
- » Wyoming Retirement Center MEP
- » WY State Fire Marshal's Office ADA
- » Veteran's Home Mechanical & Electrical
- » Pioneer Home Phase II
- » Wyoming Retirement Center Roof Replacement, Vestibules & Windows
- » Lane Cottage Renovation
- » Pioneer Home Carports
- » Boy's School
- » State Hospital Stair Project
- » State Hospital Utility Tunnels

- » Pioneer Home Exterior Repairs
- » Wyoming Training Center Emerson
- » Wyoming Honor Farm Study
- » Vet Home Floor & Cabinets
- » Pioneer Home Major Maintenance
- » Wyoming Training Center ADA
- » Thermopolis WYDOT
- » Evanston Shop
- » Meeteetse WYDOT
- » WYDOT Farson Roof Replacement
- » WYDOT Pinedale Roof & Patrol
- » Cokeville Roof
- » District Salt/Sand Facility
- » Cold Storage South Pass/Dubois
- » Salt/Sand District
- » Togwotee Maintenance
- » Jackson Roof Observation
- » District Salt / Sand Storage Bldgs
- » Bear River State Park
- » Boysen State Park
- » Buffalo Bill State Park
- » Connor Battle Field State Park
- » Fort Kearney State Park
- » Hot Springs State Park
- » Medicine Lodge State Park

- » Trail End State Park
- » Boysen Gravel Roads
- » Boysen Pavement Maintenance
- » Boysen Water System Study
- » Buffalo Bill Campsite Amenities
- » Buffalo Bill State Park Gravel Road
- » Buffalo Bill State Park Road Improve
- » Fort Bridger State Park
- » Fort Bridger Survey & Mapping
- » Giorgis Property Appraisal
- » Granger State Park MM Projects
- » Hot Springs State Park Bath House
- » Hot Springs State Park Headquarters
- » Hot Springs State Park Road Improvement
- » Hot Springs State Park Suspension Bridge
- » Lincoln Motor Court Major Maintenance
- » Piedmont Kilns Survey
- » Point of Rocks Stage Station Restoration
- » Seminoe Visitor Center/Headquarters
- » South Pass City Water System Study
- » South Pass State Park Restoration
- » Teepee Fountain Restoration

**PLAN ONE / ARCHITECTS**

- 8.2012 Big Piney Gym Renovations
- 10.2012 Trona Valley Federal Credit Union Facility Renovations
- 12.2012 Rock Springs / Green River Harley Davidson Renovations
- 03.2013 Wyoming Authentic Beef
- 04.2013 Memorial Hospital Sweetwater County
- 05.2013 Big Piney Elementary School
- 05.2013 White Mountain Junior High Football Field Toilets
- 05.2013 So Lincoln Hospital Interior Renovations
- 06.2013 Converse County School District No. 1
- 07.2013 Fremont County School District No. 1
- 07.2013 Eastside Elementary School
- 08.2013 Johnson County School District No. 1
- 08.2013 Western Wyoming Community College Workforce Services
- 08.2013 Rock Springs High School Upgrades
- 10.2013 Sweetwater County Child Developmental Center Facility
- 07.2014 South Big Horn County Hospital Phase 3
- 09.2014 Wyoming Dept. of A & I Boys' School
- 11.2014 Lovell High School

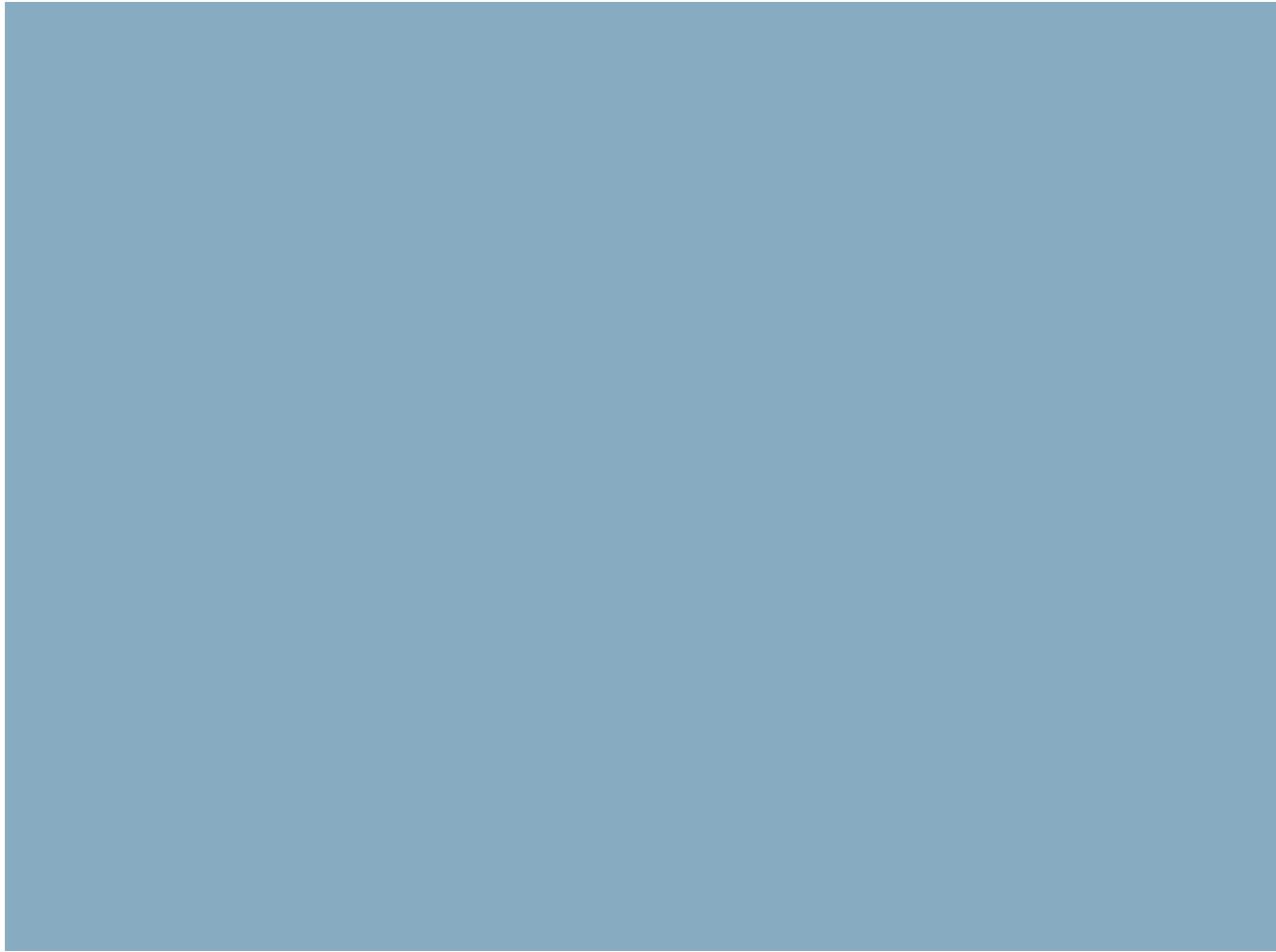
**PDP**

The Preservation Design Partnership is currently involved in several significant commissions, including: The Cincinnati Museum Center (Cincinnati, OH); The Senator Specter Center for the Roxboro House at Philadelphia University (Philadelphia, PA); the Virginia School for the Deaf & Blind (Richmond, VA); and Washington Crossing Historical Park (Washington Crossing, PA).

<b>ARCHITECT-ENGINEER QUALIFICATIONS</b>				1. SOLICITATION NUMBER <i>(if any)</i> RFPS 0642		
PART II – GENERAL QUALIFICATIONS <i>(If a firm has branch offices, complete for each specific branch office seeking work.)</i>						
2A. FIRM <i>(or branch office)</i> NAME HDR				3. YEAR ESTABLISHED 1963		4. DUNS NUMBER 13-274-0242 (Engineering) 19-822-1462 (Architecture)
2B. STREET 303 East 17th Ave. Suites 700 & 1000				5. OWNERSHIP A. TYPE Private Corporation		
2C. CITY Denver		2D. STATE CO	2E. ZIP CODE 80203-1256		B. SMALL BUSINESS STATUS Large Business	
6A. POINT OF CONTACT NAME AND TITLE				7. NAME OF FIRM <i>(if block 2a is a branch office)</i> HDR		
6B. TELEPHONE NUMBER		6C. E-MAIL ADDRESS				
8A. FORMER FIRM NAME(S) <i>(if any)</i> Henningson, Durham & Richardson, Inc. 1951 Henningson Engineering Company, Inc. 1930 Henningson Engineering Company 1917				8B. YR. ESTABLISHED 1985		8C. DUNS NUMBER 06 866 8805
9. EMPLOYEES BY DISCIPLINE				10. PROFILE OF FIRM'S EXPERIENCE AND ANNUAL AVERAGE REVENUE FOR LAST 5 YEARS		
A. FUNCTION CODE	B. DISCIPLINE	C. NO. OF EMPLOYEES		A. PROFILE CODE	B. EXPERIENCE	C. REVENUE INDEX NUMBER <i>(see below)</i>
		(1) FIRM	(2) BRANCH			
02	Administrative	747	14	A04	Air Pollution Control	4
06	Architect	699	19	A06	Airports; Terminals & Hangers; Freight Handling	6
08	CADD Technician	552	8	B02	Bridges	10
10	Chemical Engineer	17	1	C15	Construction Management	9
12	Civil Engineer	641	16	D01	Dams; (Concrete; Arch)	5
15	Construction Inspector	224	8	D02	Dams; (Earth; Rock); Dikes; Levees	8
16	Construction Manager	148	2	E09	Enviro. Impact Studies, Assessments, or Statements	10
18	Cost Engineer/Estimator	18	1	E12	Environmental Remediation	9
21	Electrical Engineer	249	4	H07	Highways; Streets; Airfield Paving; Parking Lots	10
23	Environmental Engineer	88	3	I01	Industrial Buildings; Manufacturing Plants	5
24	Environmental Scientist	356	8	P06	Planning (Site, Installation, and Project)	8
30	Geologist	43	1	P12	Power Generation, Transmission, Distribution	10
42	Mechanical Engineer	204	2	R03	Railroad: Rapid Transit	10
47	Planner: Urban/Regional	188	1	R11	Rivers; Canals; Waterways; Flood Control	7
52	Sanitary Engineer	237	7	S04	Sewage Collection; Treatment and Disposal	10
55	Soils Engineer	35	1	S07	Solid Wastes; Incineration; Landfill	9
57	Structural Engineer	236	4	S10	Surveying; Platting; Mapping; Flood Plain Studies	6
58	Technician/Analyst	1,052	16	S13	Storm Water Handling & Facilities	7
60	Transportation Engineer	575	14	T02	Testing & Inspection Services	67
62	Water Resources Engineer	225	10	T03	Traffic & Transportation Engineering	10
99	Intern Architects	80	3	W02	Water Resources; Hydrology; Ground Water	9
99	Public Relations	395	10	W03	Water Supply; Treatment and Distribution	10
99	Realty Specialists	72	2			
	OTHER EMPLOYEES	1,018				
	<b>Total</b>	8,099	155			
11. ANNUAL AVERAGE PROFESSIONAL SERVICES REVENUES OF FIRM FOR LAST 3 YEARS <i>(insert revenue index number shown at right)</i>				PROFESSIONAL SERVICES REVENUE INDEX NUMBER		
A. FEDERAL WORK		7		1. Less than \$100,000	6. \$2 million to less than \$5 million	
B. NON-FEDERAL WORK		8		2. \$100,000 to less than \$250,000	7. \$5 million to less than \$10 million	
C. TOTAL WORK		9		3. \$250,000 to less than \$500,000	8. \$10 million to less than \$25 million	
				4. \$500,000 to less than \$1 million	9. \$25 million to less than \$50 million	
				5. \$1 million to less than \$2 million	10. \$50 million or greater	
12. AUTHORIZED REPRESENTATIVE <i>The foregoing is a statement of facts.</i>						
31. SIGNATURE 				32. DATE 5/21/2012		
33. NAME AND TITLE George A. Little, PE, CEO						







we deliver by design ><sup>®</sup>



**Thomas Whetstone, AIA, LEED AP BD+C**  
Principal-in-Charge  
303 E 17th Avenue, Suite 1000  
Denver, CO 80203-1256  
303.764.1520  
thomas.whetstone@hdrinc.com

hdrarchitecture.com

We practice increased use of sustainable materials and reduction of material use.

© 2012 HDR Architecture, Inc., all rights reserved.



**Charlie Van Over, AIA**  
Project Manager  
4020 Dewar Avenue, Suite A  
Rock Springs, WY 82901  
307.352.2954  
cvanover@planone.com

planone.com



**George C. Skarmees, PhD, AIA, AICP, NCARB**  
Design Principal + Lead Architect  
One South Broad Street, Suite 1702  
Philadelphia, PA 19107  
215.842.3388  
gskarmees@pdparchitects.com

pdparchitects.com