

Expression of Interest JFHQ Charleston Exterior Renovation

State of West Virginia
Department of Administration
Purchasing Division

ATTN: Tara Lyle

2019 Washington Street East
Charleston, WV 25305-0130

May 8, 2014 / 1:30 P.M.

05/08/14 09:04:17AM
West Virginia Purchasing Division

ORIGINAL

Submitted by:

Swanke Hayden Connell Architects
3007 Tilden Street NW, Suite 2L-100
Washington, DC 20008

SWANKE HAYDEN CONNELL ARCHITECTS



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

Solicitation

NUMBER
DEFK14029

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF:
TARA LYLE 304-558-2544

VENDOR

RFQ COPY

TYPE NAME/ADDRESS HERE
 Swanke Hayden Connell & Partners LLP
 3007 Tilden Street NW, Suite 2L-100
 Washington, DC 20008 AND
 100 Broadway, New York, NY 10005

SHIP TO

**DIV ENGINEERING & FACILITIES
 ARMORY BOARD SECTION**

 1707 COONSKIN DRIVE
 CHARLESTON, WV
 25311-1099 304-341-6368

DATE PRINTED
04/07/2014

BID OPENING DATE: 05/08/2014 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
001	1	JB		906-00-00-001		
ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL						
EXPRESSION OF INTEREST (EOI)						
THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, DIVISION OF ENGINEERING & FACILITIES, WV ARMY NATIONAL GUARD, IS SOLICITING EXPRESSIONS OF INTEREST FOR ARCHITECTURAL AND ENGINEERING SERVICES FOR EXTERIOR RENOVATIONS AT THE JOINT FORCES HEADQUARTERS BUILDING LOCATED IN CHARLESTON, WV, PER THE ATTACHED DOCUMENTATION.						
ATTACHMENTS INCLUDE:						
DEFK14029 EXPRESSION OF INTEREST INSTRUCTIONS TO VENDORS SUBMITTING BIDS GENERAL TERMS AND CONDITIONS CERTIFICATION AND SIGNATURE PAGE PURCHASING AFFIDAVIT						
VENDORS SHOULD PROVIDE ONE (1) ORIGINAL PROPOSAL AND TWO (2) CONVENIENCE HARD COPIES AND ONE (1) SUBMISSION ON CD-ROM.						

NATURE		TELEPHONE	202-244-2500	DATE	5/7/2014
E Principal	FEIN 13-1677707	ADDRESS CHANGES TO BE NOTED ABOVE			

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

3007 Tilden Street, N.W., Suite 2L-100, Washington, DC 20008
202 244 2500 Fax 202 244 2501

May 7, 2014

West Virginia Department of Administration
Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

RE: Solicitation DEFK14029, JFHQ Charleston Exterior Renovations

To the Selection Committee:

Swanke Hayden Connell & Partners LLP dba Swanke Hayden Connell Architects (Swanke) is glad to have the opportunity to present our technical qualifications in response to the subject solicitation for professional services to complete exterior renovations to the West Virginia Army National Guard Joint Forces Headquarters. As exterior renovations for historic and non-historic buildings are a substantial part of our firm's portfolio, and as we are currently completing similar work at the Public Service Commission (PSC) Headquarters Building, we believe we are particularly well-suited to this project.

The materials we have assembled for this proposal highlight Swanke's ability to successfully execute the anticipated scope of work. We have, of course, included our work at the PSC building, along with our past work in the state of West Virginia. These projects include the restoration of the West Virginia State Capitol Building dome, exterior and interior restoration work at Holly Grove Mansion, and exterior restoration work at First Presbyterian Church. We have also included project examples in which exterior renovations were critical to the project, but not necessarily the sole focus of the scope of work.

We decided to engage our current PSC project team, believing that this will allow us to best "hit the ground running." This team includes:

- CAS Structural Engineering, Inc.
- Metropolitan Consulting Engineers (MEP); and
- Forella Group LLC (Cost Estimating)

Each of our subconsultants brings strong experience in providing A/E services related to exterior renovations. It is important to note that CAS Structural Engineering is a well-established structural engineering firm in West Virginia. The firm has completed numerous projects for state agencies, **and it has served as a structural engineering subconsultant to SHCA on every project we've completed in West Virginia.**

Our proposal also includes a project and management approach based on the information available to us presently.

3007 Tilden Street, N.W., Suite 2L-100, Washington, DC 20008
202 244 2500 Fax 202 244 2501

We trust that we have assembled a proposal that not only meets the solicitation requirements, but also demonstrates our unique qualifications to complete this project in a manner that pleases all stakeholders. We hope to be able to discuss our qualifications for this project in more depth with representatives at the Department of Administration's Purchasing Division and with the Army National Guard Construction and Facilities Management Office. If there are any questions about the materials contained in this submission, please do contact me at 202-244-2500, x201 or via email at alexander.g@shca.com

Sincerely,

A handwritten signature in black ink, appearing to read 'George Alexander', written in a cursive style.

George Alexander, AIA, RIBA

Principal

Swanke Hayden Connell & Partners LLP

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PROJECT TEAM
Firm Profiles

Project Team Overview

Swanke Hayden Connell Architects *Architecture, Project Management*

Swanke Hayden Connell Architects (Swanke) is a US design firm specializing in highly integrated design services in architecture, master planning, strategic facilities planning, workplace consulting / interior design, and historic preservation, as well as providing graphic design services through an affiliate, Design 360. The firm has been able to amass an impressive portfolio that includes new, large- and medium-sized architectural and interior design, along with a vast amount of interior and exterior renovation projects. All of these projects relied on responding to and achieving three basic goals of our clients—design quality, price, and smooth and speedy delivery of the space. As a result of our ability to meet these goals, much of our work in these areas has been recognized for its quality of design and service with **more than 100 local, national, and international awards over the past 25 years.**

The assessment and repair or replacement of building envelope components is an integral part of our practice. We have experience in all vintages of existing buildings. This experience includes structures dating back to the 19th century along with those less than 20 years old. Our recent work on historic and non-historic buildings, some of which is featured in this proposal, includes exterior renovations and window replacements to more than 50 buildings.

Experience in West Virginia

Swanke has been working with the State of West Virginia for more than a decade. **We are currently serving as design architect and project manager for the exterior façade replacement of the Public Service Commission's headquarters building.** Additional experience within West Virginia includes the following:

- **West Virginia State Capitol, Charleston, WV**
\$12 million restoration of 1932 Cass Gilbert landmark building, including a gilding & coating testing program, masonry cleaning testing, mortar characterization and chandelier conservation.
- **First Presbyterian Church, Charleston, WV**
Subsequent to initial Conditions Assessment Report, \$2.8

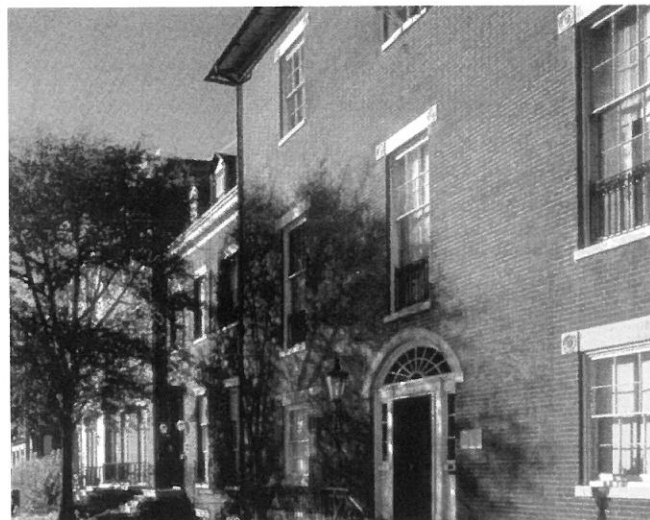
million exterior restoration of historic 1915 church including restoration of stained glass windows, limestone & terra cotta façade, cupola and roofing replacement.

- **Holly Grove Mansion, Charleston, WV**
Interior and exterior evaluation and restoration of historic 1815 mansion including infrastructure upgrades, facade restoration and ADA compliance. Project subject to WV SHPO review.

Project Experience

We have provided detailed descriptions of relevant work further on in this proposal. A select listing of SHCA's additional experience with the renovation of building exteriors is as follows:

- **Columbia University, New York, NY**
Swanke has been involved in a long-range collaboration with Columbia University Facilities (CUF) to preserve and restore its buildings, with a **specific emphasis on repairing the exterior envelope of all buildings.** Our scope of work included building assessments, preparation of repair documents, and construction administration.
- **Nassau Community College, Garden City, NY**
Swanke was commissioned by the Nassau County Department of Public Works to provide **design services for the exterior rehabilitation of two campus buildings at Nassau Community College.** The four- and five-story buildings were constructed of concrete and steel with brick, glass and aluminum curtain walls and flat built up roofing



systems. Less than ten years old, both buildings exhibited moisture infiltration soon after their construction was completed, resulting in cracked brick, deformed wall panels, and failed soft joints. After a thorough assessment, SHCA developed prescriptive repair documents.

- **St. John's University, Queens, NY**
Swanke conducted **exterior building assessments, including surveys of the exterior envelopes, roofing systems, and façades to identify deficiencies that require attention.** We assisted the university with all phases of construction, from preparation of documents, to the bidding process and selection of Contractors, and continuing through Construction Administration and project close-out. To minimize disruption to the students, work was scheduled to coincide with the lighter summer sessions.
- **New York City Department of Design and Construction Health Unit Requirements Contract**
As part of a requirements contract with the Department of Design and Construction for the City of New York – Health Program Unit, Swanke provided design consultation services for three existing New York City Department of Health Centers and five existing New York City Department of Homeless Services shelters. The total gross square footage of the eight structures was approximately 300,000 sq. ft.. The **scope of work for the eight structures primarily included exterior building envelope rehabilitation, roof repairs and ADA access,** with approximately 20,000 sq. ft. of interior renovation work included.
- **Governor's Island Colonels Row, New York, NY**
Swanke was retained by Turner Construction to **provide services for roof repairs and building envelope stabilization of more than ten historic buildings** on this 202-year old military installation. Swanke **prepared Condition Assessment Reports** describing the conditions and made recommendations for stabilization with drawings, photographs and written text. Based upon this scope of work **construction documents were prepared and remedial repairs and stabilization was performed to ensure the buildings remain stable and watertight.** All work was performed in compliance with the New York Landmarks Preservation Commission.
- **PS 157, Brooklyn, NY**
Swanke **corrected the building envelope deficiencies**

using both conventional and innovative solutions to preserve and upgrade the school within the parameters of the Board of Education's program requirements. *New York Landmarks Conservancy, Lucy G. Moses Preservation Award for 2001*

- **253-256 Broadway, New York, NY**

New York City-owned property, housing mayor's offices and other city agencies, circa 1890 is Tuckahoe Marble **involving extensive stone restoration.** We are in the process of replacing almost 1,000 windows. Estimated construction value is \$14 Million.

CAS Structural Engineering *Structural Engineering*

CAS Structural Engineering, Inc. is a West Virginia Certified Disadvantaged Business Enterprise structural engineering firm located in the Charleston, West Virginia area. Providing structural engineering design and/or analysis on a variety of projects throughout the state of West Virginia, CAS Structural Engineering has experience in excess of 20 years on the following types of building and parking structures: *Governmental Facilities* (including Institutional and Educational Facilities); *Industrial Facilities*; and *Commercial Facilities*.

Projects range from new design and construction, additions, renovation, adaptive reuse, repairs and historic preservation



Project Team Overview

(including use of The Secretary of the Interior's Standards for Rehabilitation) to evaluation studies/reports and analysis.

Carol A. Stevens, PE is the firm President and will be the individual responsible for, as well as reviewing, the structural engineering design work on every project. She has more than 20 years of experience in the building structures field, working both here in West Virginia and in the York, Pennsylvania vicinity. Carol is also certified by the Structural Engineering Certification Board for experience in the field of structural engineering. A select listing of CAS experience relevant to this project includes:

- **West Virginia, Public Service Commission**
Completed investigation of exterior facade issues related to water infiltration, flashing degradation and potential design issues. *Phase II* involves preparing drawings and specifications for the replacement of the building's exterior facade. *Working with Swanke Hayden Connell Architects*
- **West Virginia, State Capitol Complex, Capitol Cafeteria**
Investigated problems with support of structure above glass window walls and developed repair solution.
- **West Virginia, State Capitol Complex, Dome Structure**
Exploratory investigation, preparation of construction documents for repairs to structural steel in Capitol Dome. *Worked with Swanke Hayden Connell Architects.*
- **West Virginia, State Capitol Complex, Building 3**
Structural design and construction administration of repairs and renovations to limestone canopy.
- **West Virginia State Capitol Complex, Exterior Facade Restoration Main Capitol Building**
Exterior façade restoration included cleaning, pointing, and repairs to the limestone and terra cotta components, windows and doors. *Worked with Swanke Hayden Connell Architects.*
- **West Virginia, State Capitol Complex, Main Capitol Building Parapet**
Exploratory investigation of limestone/ brick parapet/ balustrade of Main Capitol Building to determine cause of movement/ cracking/ leaks. Project also included preparation of construction documents for repairs.

- **West Virginia, Upshur County Courthouse Main Entrance**
Designed repairs to failing entrance structure in 1899 structure.
- **Tucker County Courthouse Investigation and Repairs, Parsons, West Virginia**
This 1898 courthouse is constructed of massive red brick with and is a centerpiece in Parson, Tucker County, WV. This project included providing a condition assessment report for stabilization and restoration of this structure.

Metropolitan Consulting Engineers *Mechanical/ Electrical/ Plumbing Engineering*

Committed to excellence in service, **Metropolitan Consulting Engineers (MCE)** provides code compliant, energy efficient and cost effective mechanical, electrical, plumbing, and fire protection (MEP) engineering design and consulting services.

The firm is staffed with Senior Engineers and Designers specialized in surveys of existing facilities, data collection, analysis of collected data, and preparing reports and contract documents to meet project requirements.

February 2014 marked MCE's seventh year of providing quality MEP engineering design services. Metropolitan Consulting Engineers has designed the MEP building systems for over 2 million square feet of built space with substantial experience in renovating Public and Governmental Buildings.



Select MCE experience includes:

- West Virginia Public Service Commission, Charleston, WV
Phase II - A/E design for the complete Façade Replacement and exterior envelope of this 3-story, 60,000 sq ft building. *Working with Swanke Hayden Connell Architects.*
- Amalgamated Transit Union, Washington, DC
Mechanical and fire protection engineering required in the survey and facility assessment of this 105,000 sq ft structure. MEP, fire alarm, and sprinkler systems were surveyed to identify deficiencies. Recommendations were provided to **correct code deficiencies and provide system repair**. Recommendations were accepted and MCE completed the engineering design work and construction was completed.
- KIPP DC Douglas School, Washington, DC
Responsible for the MEP and fire protection engineering required in the Design-Bid-Build Process used to deliver this phased renovation which achieved LEED for Schools 2.0 certification. The facility was upgraded with new architectural interior features as well as **a new exterior skin**.
- Fort Belvoir, Virginia, Dept. of the Army
Responsible for the MEP engineering required in the survey and assessment of seven buildings totaling approximately 280,000 sq ft. Each building's MEP, fire alarm, and sprinkler systems were surveyed to identify deficiencies. **Recommendations were provided to correct code deficiencies and provide system repair.**

Forella Group

Cost Estimating

For the past 26 years, Forella Group and its predecessor firm have provided enhanced certainty through the use of highly developed project controls from the acquisition and pro-forma phase through design, construction and the move-in phases. These interconnected processes focus on the three things most critical to every owner—the optimization of cost, schedule and quality. Our overall core services include: Program and Project Management, Cost Management, Schedule Management, and Quality Management.

Select Forella Group experience includes:

- West Virginia Public Service Commission, Charleston, WV
Provided Costing Services for Phases I and II; Phase I - Exterior investigation and forensic assessment of masonry failures followed by written report providing prioritized recommendations for repair and restoration. *Phase II* - A/E design for the complete Façade Replacement and exterior envelope of this 3-story, 60,000 sq ft building. *Working with Swanke Hayden Connell Architects.*
- Repair Museum Buildings, MCB, Quantico, Virginia
Cost management services were provided for **interior and exterior renovations**, including site improvements to 3 museums. \$2.3 million. 30,000 GSF.
- Montgomery Community College Exterior Wall Systems Replacement, Germantown, MD
Cost management services were provided for **proposed exterior upgrades** to three historic Montgomery Community College buildings. **This project included exterior masonry, cast stone and soffit replacements, new sister footings to support new exterior wall system, exterior glazing replacements.** \$7.8 million.
- University of Maryland Baltimore, Pine Street Police Station, Baltimore, MD
Cost management services were provided for the historic Pine Street Police Station **exterior upgrades**. The project included **exterior masonry and custom pre-cast detailing repairs**, site utilities enhancements, slate roof repairs, **exterior glazing replacements** and main entrance modernization. Total Program cost \$1.6 million.
- Towson University, Burdick Hall Improvements Phase 3, Towson, MD
Cost management services were provided for Phase III renovations and **exterior envelope upgrades** to the existing three-story Recreation Facility featuring a fitness center, gymnasium, classrooms, faculty offices and shower facilities. Burdick Hall is shared by the Athletics, Kinesiology (Health Professions) and Campus Recreational Services departments and houses Memorial Pool, home to the men's and women's swimming and diving program. \$12.6 million. 45,000 GSF.

KEY PERSONNEL

Team Organization



West Virginia Army National Guard

Principal-in-Charge

George Alexander, AIA, RIBA
Swanke Hayden Connell

Senior Project Manager

Louis Krupnick, AIA, LEED AP BD+C
Swanke Hayden Connell

Key Project Team Personnel

Project Architect

Frank van der Kemp, LEED AP, CSI
Swanke Hayden Connell

Structural Engineer

Carol A. Stevens, PE, F.ASCE
CAS Structural Engineering

MEP Engineer

Gus Mehrdad, PE, CIPE, LEED AP
Metropolitan Consulting Engineers

Cost Estimator

Peter Forella, RA, AACEI
Forella Group

George Alexander, AIA, RIBA

Principal-in-Charge



EDUCATION

Case Western Reserve University, Bachelor of
Architecture

PROFESSIONAL QUALIFICATIONS AND AFFILIATIONS

43 years professional experience

Registered Architect: Washington, DC, Maryland,
Virginia, New York, New Jersey, North Carolina,
Texas, Connecticut

Member of ARCUK

Member, Royal Institute of British Architects

Corenet International

New York City Construction Roundtable

Board of Trade - Washington, DC

Member, Society of American Military Engineers

PUBLICATIONS

Contributing author, *Historic Preservation - Project
Planning & Estimating*, Swanke Hayden Connell
Architects, published by RS Means Company,
2000

"Space: The Final Frontier," *The Building Gazette*,
November 1990

"Restoration is Good Business," *Corporate Real
Estate Executive*, April 2000 -- winner of Apgar
Award For Excellence

George Alexander has been with SHCA for over 40 years. During that time he has designed, produced and managed a wide range of multidisciplinary projects involving Restoration, Architecture, and Interior Design in the US and abroad.

His passion still involves establishing the strategic approach and conceptual design to multifaceted projects involving renovation or adaptive reuse to preserve structures viability while maintaining its integrity and relationship to history. He led teams in the renovation projects for American Stock Exchange and the restoration/upgrade studies to Cartier and the Time Inc Building in New York City.

In 1989, Mr. Alexander relocated to London where he was responsible for establishing the UK office as a leader in architecture, interior design and strategic planning. While in the UK he was involved in such projects as the renovation /adaptive reuse of Wren House, St. Olaves, Buxton Crescent, and Obecni Dom in Prague, Czech Republic. Since returning to the US he became the inspirational force behind SHCA authoring a book, *Historic Preservation, Project Planning & Estimating*, published by RS Means. He received the Apgar Award For Excellence for his article "Restoration is Good Business" in *Corporate Real Estate Executive*. He has acted as Principal-in-Charge of the Stamford, Connecticut and New York City offices. Having relocated to the Washington DC office he is presently involved in the expansion of that office as well as maintaining long standing relationships with US and European multi-national clients. Mr. Alexander's projects have won numerous awards.

Select Project Experience

Internal Revenue Service Headquarters Building Modernization,
Washington, DC

Master planning and design of comprehensive phased, five-year, \$50 million modernization of a fully occupied 1.4 Million sq ft building. The work included upgrading building systems, **restoration of exterior** and significant interior spaces, perimeter security upgrades, **structural upgrades**, new blast resistant windows and redesign of building fresh air intake/exhaust systems to protect against chemical and bio hazards. This historic building required SHPO, NCPC and CFA approvals.

George Alexander

Old Post Office Building, Washington, DC

Design/Build \$5 Million restoration of this National Historic Landmark structure. Work included **conditions assessment of building exterior and restoration of the stone facade, slates roof, copper flashing and the regasketing of the main skylight**. Prior to the preparation of the design documents, SHCA conducted an **extensive survey of the existing condition and directed water infiltration tests** for the roof to determine the extent of the deterioration. *Featured project.*

National Society Daughters of the American Revolution, Washington, DC

Facilities Master Plan of the 270,000 sq ft, 3-building complex which includes a Concert Auditorium (Constitution Hall), Library and Museum (Memorial Continental Hall) and office building headquarters. Architectural work included **new roofing and stabilizing the entablature of both halls completed in 2008** and the **rehabilitation of the north and south terraces** of Memorial Continental Hall. All projects required reviews by DCRA, the Historic Preservation Review Board, the US Commission of Fine Arts. *Featured project.*

City of Alexandria City Hall Modernization, Alexandria, VA
Interior and exterior modernization of 100,000 sq ft historic City Hall. Interior included replanning and reprogramming and full mechanical upgrades. **Exterior entailed re-pointing of the brick walls and restoring the wood windows, doors and cornice trim through re-caulking and repainting**. Also repair of 50,000 sq. ft. Market Square Plaza, which included **resurfacing the plaza with new waterproofing and brick paving, re-lining fountains**, and replacing the pumps and fountain equipment. *Featured project.*

Time/Life Building, New York NY

Building modernization, plaza, lobby and infrastructure, upgrade of 1959 landmark building

UJA Federation Headquarters Modernization, New York, NY

Development of strategic occupancy plan followed by space requirements program for a 190,000 sq ft within the 270,000 sq ft base building. UJA occupied the building throughout the **three-part phased renovation**. Phase I, the complete replacement of all core mechanical functions, new ADA

compliant bathrooms and new elevators; **Phase II, remove and replace the existing brick facade with a new metal and glass energy, efficient exterior**, phased to correspond to the interior fit-out (Phase III) of 2 to 3 floors at a time. *Featured project.*

Merrill Lynch Financial Center, London, UK

Established the design response, 830,000 sq ft strategic facilities master plan with full architectural and interior design for this infill project in new and landmarked buildings; 5-building complex adjacent to St. Paul's Cathedral.

Select Awards and Honors

Franklin Savings Bank, New York, NY

1978 Concrete Society Award

American Express Headquarters, World Trade Center, New York, NY

Society of American Registered Architects, 1986

World Trade Center Tilted Lawn, New York, NY

AIA NY Chapter Award, 2000

Merrill Lynch Financial Center, London, UK

SARA National Honors Award, 2002

AIA London Chapter Design Award, 2002

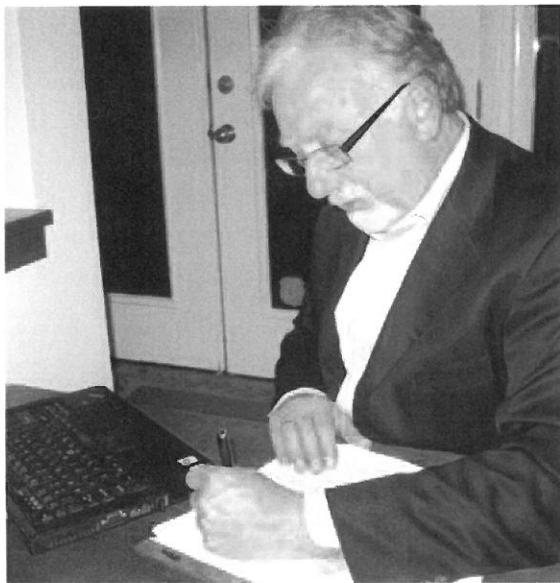
New City Architectural Award - Special Commendation, 2002

Civic Trust Award, 2002

City Heritage Award, 2002

Louis Krupnick AIA, LEED AP BD+C

Project Manager



EDUCATION

University of Tennessee School of Architecture,
Bachelor of Architecture
Roofing Industry Educational Institute

PROFESSIONAL QUALIFICATIONS AND AFFILIATIONS

32 years professional experience

Registered Architect: Connecticut

The Cooper Union School of Architecture, Adjunct
Faculty

Washington D.C. Building Envelope Council, Board
of Directors

National Institute of Building Sciences: Building
Enclosure Technology and Environment Council;
Education Committee; Board of Directors

U.S. Civilian Patrol, MD-073 Deputy Commander

LECTURES

AIA Design DC Conference, "Collaborative Workplace
Design Using "Task"-Based Metrics," 2010

GSA Regional BIM Conference, "BIM and Lessons
Learned in the Design of Federal Research
Laboratories," 2009

University of Texas and J. Paul Getty Trust
Conference, "From Gray to Green Acres:
Developing Sustainable Practices in Preservation
Environments"

Lou Krupnick has more than 30 years of experience in design for both new construction and the renovation and adaptive re-use of historic and other existing buildings for a variety of federal, state, and institutional clients.

Lou is a 'hands-on' style project manager and very much an integral member and collaborator with the project teams he leads.

His work covers a variety of project sizes and types ranging from small, complex design and technically challenging projects to large-scale architectural, interiors or planning projects ranging up to \$750 Million in cost. Projects have included the campus master plan for the US Army's New C4ISR Center of Excellence at Aberdeen Proving Ground, a sustainably designed, 400-acre, walkable, R&D campus for 7,500 employees, composed of 13 buildings totaling 3.5 Million sq. ft.. In addition, he was also responsible for the design of the largest research building on the campus, C2CNT.

Lou has been involved in the sustainable design movement since the 1980s and his expertise extends from high-performance buildings and materials to also include forensic architecture. He has served as Adjunct Faculty at the Cooper Union School of Architecture, where he co-teaches a class in Sustainable (Green) Renovation Practices.

His work has received design recognition from the US Army Corps of Engineers; the New York, Pennsylvania, and Tennessee chapters of the American Institute of Architects; the Massachusetts Historical Commission; the State of Connecticut Historical Society; and the Master Builders Award.

Select Project Experience

West Virginia Public Service Commission, Charleston, WV

Phase I - Exterior investigation and forensic assessment of masonry failures followed by written report providing prioritized recommendations for repair and restoration. *Phase II* - A/E design for the complete Façade Replacement of this 3-story, 60,000 sq ft building. **Featured project.**

Louis Krupnick

HJ Heinz Corporation, North Side Campus, Pittsburgh, PA
Complete gut rehabilitation, **facade restoration, and roof and window replacement** for five historic, multi-story brick buildings totaling 800,000 sq ft Campus designed by architect Albert Kahn.

The Brownstone, Hartford, CT

Complete gut rehabilitation and restoration for this five-story, 100,000 sq ft facility. **Exterior restoration work included facade stabilization and restoration of the building's 24" thick brownstone facade, along with window and roof replacement**

Washington Navy Yard, Commandant's House, Washington, DC

Renovation and adaptive re-use of this large, two-story, 1860s historic facility. Facility was renovated from its original purpose as a residence to become the new commander's headquarters. **The original structure was almost completely re-built, having suffered from years of neglect and water damage.** The structure's timbers and colonnade were entirely replaced and the **interior was completely gutted and refitted to conceal new mechanical, electrical and fire protection systems.**

Architect of the Capitol/Library of Congress, John Adams Building, Washington, DC

Project scope included **exterior envelope repair and replacement** of interior deteriorated rain leaders and plumbing buried within the Library's massive walls. **Infrastructure replacement required significant coordination to extend/replace and provide new HVAC, electrical, plumbing and sprinkler services** through walls, vaulted ceilings, monumental and historical construction while maintaining the existing significant historical aspects of the building, with minimal disturbance and without reducing library stack space.

New Britain High School, New Britain, CT

Roofing and moisture investigation and subsequent repairs.

US Federal Reserve Eccles Building, Washington, DC

Full Facility Condition Assessment (FCA) and FCA report for this historic 291,700 GSF building. Assessment scope: **Exterior**

Systems (walls, windows, roofing, doors, etc.); piping, HVAC, electrical, fire protection, architectural, and structural systems

Centers for Disease Control Barbados National Reference Laboratory, Bridgetown, Barbados

Design of new National Reference Laboratory for Barbados Ministry of Health; 28,000 sq ft program consolidates and relocates three existing BMOH laboratories.

C4ISR Campus, Master Plan Aberdeen Proving Ground, MD
Design and planning services for 2 new, walkable, sustainably oriented federal research campuses. Project included the site and masterplanning required for 7,500 employees located in 14 buildings representing 3.5 Million sq ft of construction on 350 acres.

C2CNT East R&D Center, Aberdeen Proving Ground, MD
500,000 sq ft, LEED Silver facility housing laboratory and administrative spaces for the U.S. Army.

U.S. Embassy Dublin, Ireland and US Consulate Belfast, Northern Ireland, UK

Facilities assessments followed by bridging documents for perimeter security and physical security upgrades, including Anti-Terrorism/Force Protection. Work included negotiation with local planning and design agencies.

Select Awards and Honors

C4ISR Campus, Aberdeen Proving Ground, MD

Commander's Coin - US Army Corps of Engineers for the Design of the new facility, 2008

PNC Bank 'Techworks', Pittsburgh, PA

AIA Merit Award, 2004

The Sage Colleges, Buchman Pavilion and Student Center, Troy, NY

AIA Merit Award, 2005

St. Thomas Aquinas College New Science Building, Sparkill, NY

Master Builders Award, 2000

Frank van der Kemp, LEED AP, CSI

Project Architect



Frank van der Kemp has more than 30 years of experience in all phases of architecture, planning, design and construction administration services.

His experience includes architectural and urban design, programming, space planning and interior. It also includes extensive time in project management and team coordination to bring in projects within schedule and budget. Frank's project experience in the United States is complemented by an international portfolio that includes projects in Europe, the Middle East, North Africa, and Latin America. Many of these assignments required management and supervision of professional personnel abroad.

Frank is fluent in French, English, German, and Spanish.

EDUCATION

École Nationale Supérieure des Beaux Arts, Paris,
France, Bachelor of Arts, Architecture
Eidgenössische Technische Hochschule, Zürich,
Switzerland, Master of Science, Architecture

PROFESSIONAL QUALIFICATIONS AND AFFILIATIONS

32 years professional experience

Member, Ordre des Architectes, Paris, France
Associate Member, American Institute of
Architects, DC Chapter
Member, Committee On The Environment, AIA-DC
Member, Construction Specification Institute,
DC Chapter
Former Vice President, Board of Directors,
Alliance Française of Washington, DC

Select Project Experience

Washington Navy Yard, Commandant's House, Washington, DC
Renovation and adaptive re-use of this large, two-story, 1860s historic facility. Facility was renovated from its original purpose as a residence to become the new commander's headquarters. **The original structure was almost completely re-built, having suffered from years of neglect and water damage.** The structure's timbers and colonnade were entirely replaced and the **interior was completely gutted and refitted to conceal new mechanical, electrical and fire protection systems.**

Naval Test Pilot School, Naval Air Station Patuxent River, MD
Exterior renovation

District of Columbia ADA Master Plan, Washington, DC
ADA compliance assessments of 212 (9.3 Million sq ft) District of Columbia properties for purpose of developing city ADA master plan

US Federal Reserve Eccles Building, Washington, DC
Full Facility Condition Assessment (FCA) and FCA report for this historic 291,700 GSF building. Assessment scope: **Exterior Systems (walls, windows, roofing, doors, etc.);** piping, HVAC, electrical, fire protection, architectural, and structural systems

Frank van der Kemp

Centers for Disease Control Barbados National Reference Laboratory, Bridgetown, Barbados

Design of new National Reference Laboratory for Barbados Ministry of Health; 17,000 sq ft program consolidates and relocates three existing BMOH laboratories

Quantico Marine Base, Armories 1 and 2, Quantico, VA

Design, construction documents, construction coordination for a 29,500 sq. ft. and 13,500 sq. ft. one-story steel construction Marine Corps armory buildings

Department of the Interior South Exterior Renovation, Washington, DC

Architectural design for rehabilitation of the terraces and landscaped foregrounds

Graduate School of Nursing, Naval Medical Center, Bethesda, MD

Construction documents for 50,000 sq. ft. four-story concrete building, assisting owner in construction coordination for duration of construction

International Cultural and Conference Center, Rabat, Morocco

Concept and preliminary design for a conference center for 1,200 conferees, associated exhibition space and private meeting facility, together with a 250-room and suite luxury international hotel

Tizi Ouzou University, Student Housing Communities, Tizi-Ouzou, Algeria

2,200 beds per community, 350,000 sq. ft. for community No.1, and 390,000 sq. ft. for community No.2 projects, with dormitories, central restaurant, cultural and sports facilities and director's housing

Blida University, Student Housing Communities, Blida, Algeria

2,200 beds per community, 310,000 sq. ft. per community project, with dormitories, central restaurant, cultural and sports facilities and director's housing.

IBM-France Headquarters, Gare de Lyons, Paris, France
Architectural design and engineering services for 6.4 Million gross sq. ft. multi-use facility located above an existing underground train station; comprised large office complex, 350-room luxury hotel, restaurants, health club, and large parking facility.

General Motors Regional Headquarters, Parsippany, NJ
Site planning, architectural design, space planning and interior design for a 70,000 sq. ft. office building, amenity

Alliance Française, Washington, DC

Architectural and interior design for renovation of 7,000 sq. ft. cultural center and teaching facility with a library and meeting/exhibition hall

United States Embassy, Luanda, Angola

Design and construction documents for a new five-level 50,000 sq. ft. embassy building and compound on a 68,000 sq. ft. site

United States Consulate, Chennai, India

Rehabilitation and construction documents of an existing four-level 80,000 sq. ft. consulate building and compound on a 140,000 sq. ft. site

FDA/OCI Interior renovation, Rockville, MD

Space planning and interior design for a 9,000 sq. ft. office renovation

Southland Center Office, Hotel and Parking Complex

Renovation Project, Dallas, TX

Architectural design and interior renovation of a hotel and office building complex. Complete renovation of a 400-room Sheraton Hotel with associated restaurants, conference center, ballroom, and Office Towers lobby area

International Medical Centers, Rabat and Marrakesh, Morocco

Concept and preliminary design for a 220-bed and 150-bed international medical center in the city centers for a private consortium under the guidance of the Ministry of Health

Carol A. Stevens, PE, F.ASCE

Structural Engineer

FIRM

CAS Structural Engineering, Inc. (a WV-certified DBE consultant certified in the practice of structural engineering)

EDUCATION

Pennsylvania State University, ME Eng. Sci.
West Virginia University, BSCE (Chi Epsilon
National Civil Engineering Honorary

PROFESSIONAL QUALIFICATIONS AND AFFILIATIONS

32 years professional experience

Professional Engineer: West Virginia, Pennsylvania, Maryland, Ohio, Kentucky, Virginia
American Society of Civil Engineers
National Society of Professional Engineers
American Concrete Institute
American Institute of Steel Construction
West Virginia University Department of Civil and Environmental Engineering Advisory Committee
West Virginia University Institute of Technology Department of Civil Engineering Advisory Committee

Select Project Experience

West Virginia Public Service Commission, Charleston, WV
Phase I - Exterior investigation and forensic assessment of masonry failures followed by written report providing prioritized recommendations for repair and restoration. *Phase II* - A/E design for the complete Façade Replacement and exterior envelope of this 3-story, 60,000 sq ft building. **Featured project; working with Swanke Hayden Connell Architects.**

West Virginia, State Capitol Complex, Dome Structure
Exploratory investigation, preparation of construction documents for repairs to structural steel in Capitol Dome.

West Virginia, State Capitol Complex, Holly Grove Mansion
Structural evaluation report for preliminary condition assessment of building structure. **Featured project; worked with Swanke Hayden Connell Architects.**

West Virginia, State Capitol Complex, Building 3
Structural design and construction administration of repairs and renovations to limestone canopy.

West Virginia, State Capitol Complex, Main Capitol Building Parapet
Exploratory investigation of limestone/brick parapet/balustrade of Main Capitol Building to determine cause of movement/ cracking/ leaks. Project also included preparation of construction documents for repairs.

West Virginia, Upshur County Courthouse Main Entrance
Designed repairs to failing entrance structure in 1899 structure.

West Virginia, Lewis County Courthouse
Structural investigation for work required to update structure and apply for grant monies through WVCFIA

West Virginia, Kanawha County Schools
Structural design of additions and renovations to George Washington, Sissonville, Herbert Hoover, South Charleston and Nitro High Schools.

Carol A. Stevens

West Virginia, Mercer County Airport

Designed foundations, floor and roof framing for additions and renovations to existing airport terminal building.

West Virginia, Upshur County Courthouse Annex

Performed structural evaluation and design for repairs to existing multi-story Annex addition.

West Virginia, Sissonville Library

Structural design of new 7,000 SF branch library. Structure consisted of wood framing.

West Virginia, Cabell Huntington Hospital Boiler

Mezzanine

Structural analysis and testing of existing reinforced concrete mezzanine with significant degradation from brine tank leakage. Developed new structural system to replace existing concrete mezzanine utilizing steel framing and steel grating.

Gus Mehrdad, PE, CIPE, LEED AP

MEP Engineer

FIRM

Metropolitan Consulting Engineers

EDUCATION

Master of Science, Mechanical Engineering
Bachelor of Science, Mechanical Engineering

PROFESSIONAL QUALIFICATIONS AND AFFILIATIONS

29 years professional experience

Professional Engineer: Washington, DC (No. PE8911), Maryland, Virginia
Certified in Plumbing Engineering

Mr. Mehrdad has nearly 30 years experience in HVAC engineering and significant project manager experience.

He specializes in the HVAC design as well as fire protection and plumbing engineering design. Mr. Mehrdad has comprehensive experience in design, contract documents and construction observation for thru small to large scale projects. Mr. Mehrdad is the Principal of Metropolitan Consulting Engineers.

Select Project Experience

West Virginia Public Service Commission, Charleston, WV
Phase II - A/E design for the complete Façade Replacement and exterior envelope of this 3-story, 60,000 sq ft building. **Featured project; working with Swanke Hayden Connell Architects.**

Amalgamated Transit Union, Washington, DC
Mechanical and fire protection engineering required in the survey and facility assessment of this 105,000 sq ft structure. The building's **mechanical, electrical, plumbing, fire alarm and sprinkler systems were surveyed to identify deficiencies. Recommendations were provided to correct code deficiencies and provide system repair.** The building comprises a two-story underground garage (30,000 sq ft), three stories of office space (45,000 sq ft), and two stories of residential space. Recommendations were accepted and MCE completed the engineering design work and construction was completed.

KIPP DC Douglas School, Washington, DC
Responsible for the MEP and fire protection engineering required in the Design-Bid-Build Process used to deliver this phased renovation which achieved LEED for Schools 2.0 certification. Originally built in 1952, the school houses four separate schools educating 1500 students in grades K-12. The facility was upgraded with new architectural interior features as well as **a new exterior skin.** MCE upgraded this facility with a new electrical service in addition to providing new HVAC and plumbing systems. The building features an early childhood development center, gymnasium, auditorium, and a cafeteria.

Gus Mehrdad

Truesdell Elementary Scholl, Washington, DC

Responsible for the MEP and fire protection engineering required in the **Architectural Bridging Documents** phase for this 69,000 sq ft PK-8 school built in 1945 and expanded with a three story addition in 1967. The MEP engineering scope of work included a **survey and evaluation of the existing systems, a concept narrative to describe the new MEP system, and a dimensional design document to enable design-build contractors to bid and build the project.** The existing steam boilers were utilized to produce hot water for a new hot water heating system. New HVAC and plumbing systems were provided throughout the school. The existing electrical system was upgraded to serve new lighting, power distribution and fire alarm systems.

Wilson Elementary School, Washington, DC

Responsible for the MEP and fire protection engineering required in the Architectural Bridging Documents phase for the renovation of this 101,000 sq ft elementary school building had a construction cost of \$4.3 Million. Built in 1960, the original four story building was provided with a new mechanical system and upgraded plumbing and electrical systems. Most of a four story 1972 building addition was also provided with upgraded mechanical, plumbing and electrical systems.

Fort Belvoir, Virginia, Dept. of the Army

Responsible for the MEP engineering required in the **survey and assessment** of seven buildings totaling approximately 280,000 sq ft. Each building's MEP, fire alarm, and sprinkler systems were **surveyed to identify deficiencies. Recommendations were provided to correct code deficiencies and provide system repair.** The facilities assessed included a two-story warehouse/office/classroom structure (17,000 sq ft), a two story office building (101,000 sq ft), two four-story office buildings (75,000 and 77,000 sq ft), two single-story outpatient care facilities (3,600 and 2,600 sq ft), and a single-story office/training facility (3,600 sq ft).

The Presidential Building, Washington, DC

As MCE's Principal, Mr. Mehrdad was responsible for the MEP engineering required in the survey and facility assessment of this historic 60,000 SF mixed use structure. **The building's mechanical, electrical, plumbing, fire alarm and sprinkler systems were surveyed to identify deficiencies. Recommendations were provided to correct code deficiencies and provide system repair.** This eight (8) story building is comprised of a basement housing utility systems, the first floor housing retail space, and floors two thru eight housing apartment units.

Department of the Navy, Pentagon, Arlington, Virginia
MEP engineering required in the renovation of more than 100,000 sq ft of space for various departments of Navy at the Pentagon. Areas of work included renovation of office suites, conference rooms, graphics and printing areas.

Department of the Army, Tenant Renovation at Hoffman II Building, Alexandria, Virginia
MEP engineering required for more than 70,000 sq ft of Tenant engineering for various Departments of the Army in this 12 story, 40,000 sq ft per floor office building.

Department of the Army, IT Rooms, UPS and Cooling System, Hoffman II Building, Alexandria, Virginia
MEP engineering required in the design of the UPS Power Distribution and dedicated cooling system for two IT rooms per floor, 6th through 12th floors of this 12-story building. A fully back-up chilled water system was provided per the Army's "ITA Telecommunication Distribution Methods SOP" guidelines.

Peter Forella, RA, AACEI

Cost Estimator

FIRM

Forella Group LLC

EDUCATION

Catholic University of America

Bachelor of Architecture, Architecture

PROFESSIONAL QUALIFICATIONS AND AFFILIATIONS

39 years professional experience

Registered Architect: Virginia, Maryland,

Washington, DC

Member, Association for the Advancement of Cost Engineering International

Elected for three terms to the Board of the AIA

Northern Virginia Chapter, elected three terms

Twice elected to Board of Directors of the Private Industry Council of Northern Virginia

Mr. Forella specializes in project controls, construction consulting and program management services.

His cost engineering, CPM scheduling and diagnostic services are commissioned by private owners, public agencies, design professionals, attorneys, lenders and others. He has provided these services on substantial institutional, commercial, transportation and residential construction projects. Mr. Forella has maintained longstanding interest in the AEC processes and technologies that add leverage and control over project costs and schedules.

As part of his professional practice, Mr. Forella has developed and delivered numerous preconstruction and constructability related workshops. He was invited to present a seminar covering project bidding and estimating for the Associated Builders and Contractors, Northern Virginia Chapter, and he has been an invited guest speaker at UVA's Northern VA Extension Campus where he spoke on the subject of adaptive reuse.

Select Project Experience

West Virginia Public Service Commission, Charleston, WV

Phase I - Exterior investigation and forensic assessment of masonry failures followed by written report providing prioritized recommendations for repair and restoration. Phase II - A/E design for the complete Façade Replacement and exterior envelope of this 3-story, 60,000 sq ft building. **Featured project; working with Swanke Hayden Connell Architects.**

Radford University, Washington Hall, Radford, VA

Cost management services were provided for the proposed renovations to the existing student housing facility and bathrooms. \$6.55 million. 53,495 GSF.

Montgomery Community College Exterior Wall Systems Replacement, Germantown, MD

Cost management services were provided for **proposed exterior upgrades** to three historic Montgomery Community College buildings. **This project included exterior masonry, cast stone and soffit replacements, new sister footings to support new exterior wall system, exterior glazing replacements.** \$7.8 million.

Peter Forella

University of Maryland Baltimore, Pine Street Police Station, Baltimore, MD

Cost management services were provided for the historic Pine Street Police Station **exterior upgrades**. The project **included exterior masonry and custom pre-cast detailing repairs**, site utilities enhancements, slate roof repairs, **exterior glazing replacements** and main entrance modernization. Total Program cost \$1.6 million.

Towson University, Burdick Hall Improvements Phase 3, Towson, MD

Cost management services were provided for Phase III renovations and **exterior envelope upgrades** to the existing three-story Recreation Facility featuring a fitness center, gymnasium, classrooms, faculty offices and shower facilities. Burdick Hall is shared by the Athletics, Kinesiology (Health Professions) and Campus Recreational Services departments and houses Memorial Pool, home to the men's and women's swimming and diving program. \$12.6 million. 45,000 GSF.

Montgomery Village Middle School, Montgomery Village, MD

Cost study provided for the proposed middle school reform efforts. **The project included three design options worth \$5 million or more**. MVMS was one of five middle schools selected to participate in the first phase of middle school reform as part of a three-year, \$10 million effort to revamp the county's 38 middle schools. 1,760 GSF.

Ross Boddey Recreation Center, Sandy Spring, MD

Cost management services were provided for a **feasibility study of three base schemes** including additions and renovations to the existing facility. LEED certified. \$3.8 million. 25,644 GSF.

DC Department of General Services, 200 Building Condition Assessment, Washington, DC: \$97.2 Million

Hoffman Holiday Inn, Existing Condition Study, Alexandria, VA: \$21 Million

Hoffman Office Building 1, Existing Condition Study, Alexandria, VA: \$26.9 Million

Hoffman Office Building 2, Existing Condition Study, Alexandria, VA: \$36 Million

Hoffman Perpetual Building, Existing Condition Study, Alexandria, VA: \$16.2 Million

NAVFAC Lejeune Pool Hall, Annapolis, MD: \$7.6 Million

Robert F. Kennedy Stadium, Existing Condition Study, Washington, DC: \$2.3 Million

DC Armory, Existing Condition Study, Washington, DC: \$1.1 Million

RELEVANT PROJECT EXPERIENCE

Project Relevance Summary

	Relevant Features				
	Exterior Assessments	Exterior Repairs/ Renovation	Complete Façade Replacement	Construction Documents and Specifications	Code Compliance
WV Public Service Commission, Charleston, WV <i>Replacement of Exterior Façade</i>	✓	✓	✓	✓	✓
UJA Federation Headquarters, New York, NY <i>Interior modernization and exterior renovation (new curtain wall)</i>	✓	✓	✓	✓	✓
Old Post Office Building, Washington DC <i>Roof and exterior façade restoration</i>	✓	✓		✓	
National Society for the Daughters of the American Revolution, Washington, DC <i>New roofing, entablature stabilization, and terrace rehabilitation</i>	✓	✓		✓	✓
WV State Capitol, Charleston, WV <i>Dome restoration, exterior masonry repairs and restoration</i>	✓	✓		✓	
Holly Grove Mansion, Charleston, WV <i>Interior and exterior restoration</i>	✓	✓		✓	✓
First Presbyterian Church, Charleston, WV <i>Exterior repairs and restoration, roof repairs</i>	✓	✓		✓	✓
City of Alexandria City Hall, Alexandria, VA <i>Interior renovation, exterior masonry repairs</i>	✓	✓		✓	

Façade Replacement West Virginia Public Service Commission

Charleston, WV



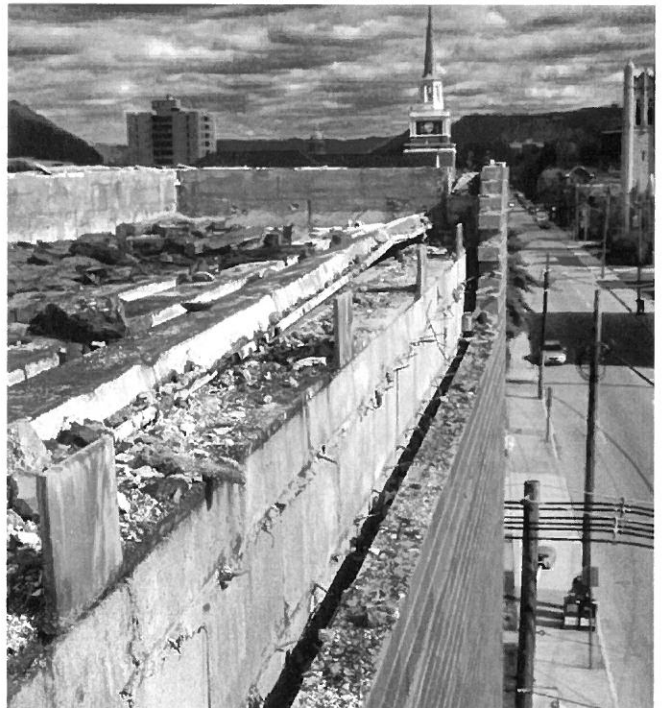
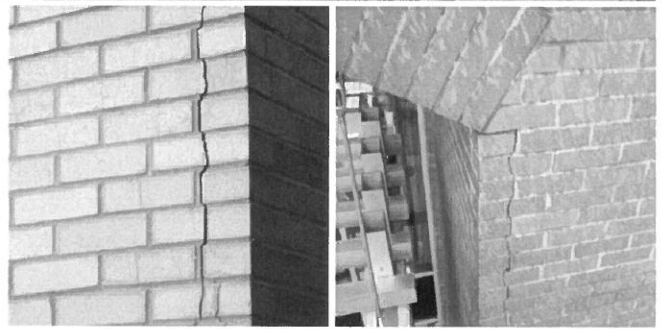
Constructed in 1984, the 'award winning' West Virginia Public Service Commission's Headquarters building was observed to have an unusual number of masonry cracks for such a relatively young building. When small pieces of brick and cast stone began to fall off the building, Swanke Hayden Connell Architects was called to investigate.

Initially we conducted a **ground based visual survey of the building and reviewed the existing drawings** from which the building was constructed. The survey revealed masonry failure modes at three main locations—the free-standing exterior arch, flat and radius arches, and exterior walls. Defects in these areas included among other things spalling, broken/displaced mortar joints, lateral displacement of bricks, and efflorescence indicating water/moisture penetration. We also noted that the roofing and flashing materials at the arch had failed, allowing water to penetrate. As the water froze and slowly expanded with no place to escape, it slowly cracked the masonry to a vertical height almost 10 feet above the floor. We recommended the exterior wall be opened in ten locations to facilitate direct observation into the wall and through these openings we were able to determine the masonry construction was substantially deficient, with many key components either missing or improperly installed. We observed poorly constructed flashings, the random and sporadic placement of reinforcement, and other integral components necessary for quality masonry construction that were completely missing.

The information gathered from the drawings review and visual survey allowed Swanke to prepare a Conditions Assessment Report and develop a plan for remediating the defects. The recommendations were prioritized by the severity of the defect, with immediate, short-term, or near-term actions being prescribed. In all cases the actions involved either rebuilding in brick, replacement with new metal and glass curtainwall construction, or some combination of the two. We developed demolition plans for the immediate removal of the arch and included provisions for the contractor to open the wall at 10 locations to observe latent conditions.

The recommendations presented in the Conditions Assessment Report also provided three options for the facade's complete replacement. Our follow-up commission with the PSC was to evaluate several courses of action to remediate the envelope deficiencies by one of the following methods:

- Replace the existing brick masonry with new brick and install new windows and glazing;



Façade Replacement West Virginia Public Service Commission

- Replace the existing brick masonry with new materials and install new windows and glazing;
- Replace the existing brick masonry with an all new glazed exterior.

The task also required we **investigate how the renovation activities could be accommodated with the PSC's need to maintain the facility's ongoing and continued operation. As shown on the next page, several construction approaches were identified** and a scheme was developed which would enable a contractor to work their way around the building while minimizing the impact to ongoing building operations.

Ultimately, it was determined the existing brick masonry could not be replaced due to the structural capacity of the building, poor condition of the existing backup, and the inability to prevent further water intrusion due to existing construction assemblies. Other exterior materials were then evaluated and included an all glass facade, composite metal panels, pre-cast and tilt-up concrete panels, and terra cotta.

Cost-benefit scenarios were developed for each material type. First costs, energy cost and life-cycle costs were also compared to identify overall best value for the Public Service Commission. Although almost all of the existing brick was deficient and would be required to be replaced, **we were able to effectively reuse all of the building's curtainwall framing, saving several hundreds of thousands of dollars in the process.**

Very quickly, the design team learned how the newly adopted 2013 WV Energy Code would play a significant role in influencing the decision of which exterior cladding systems to use. We rapidly identified the relationships between the types of exterior materials or glazing used and their corresponding insulating value, then developed a construction approach that met all code requirements without requiring a total HVAC upgrade in the process.

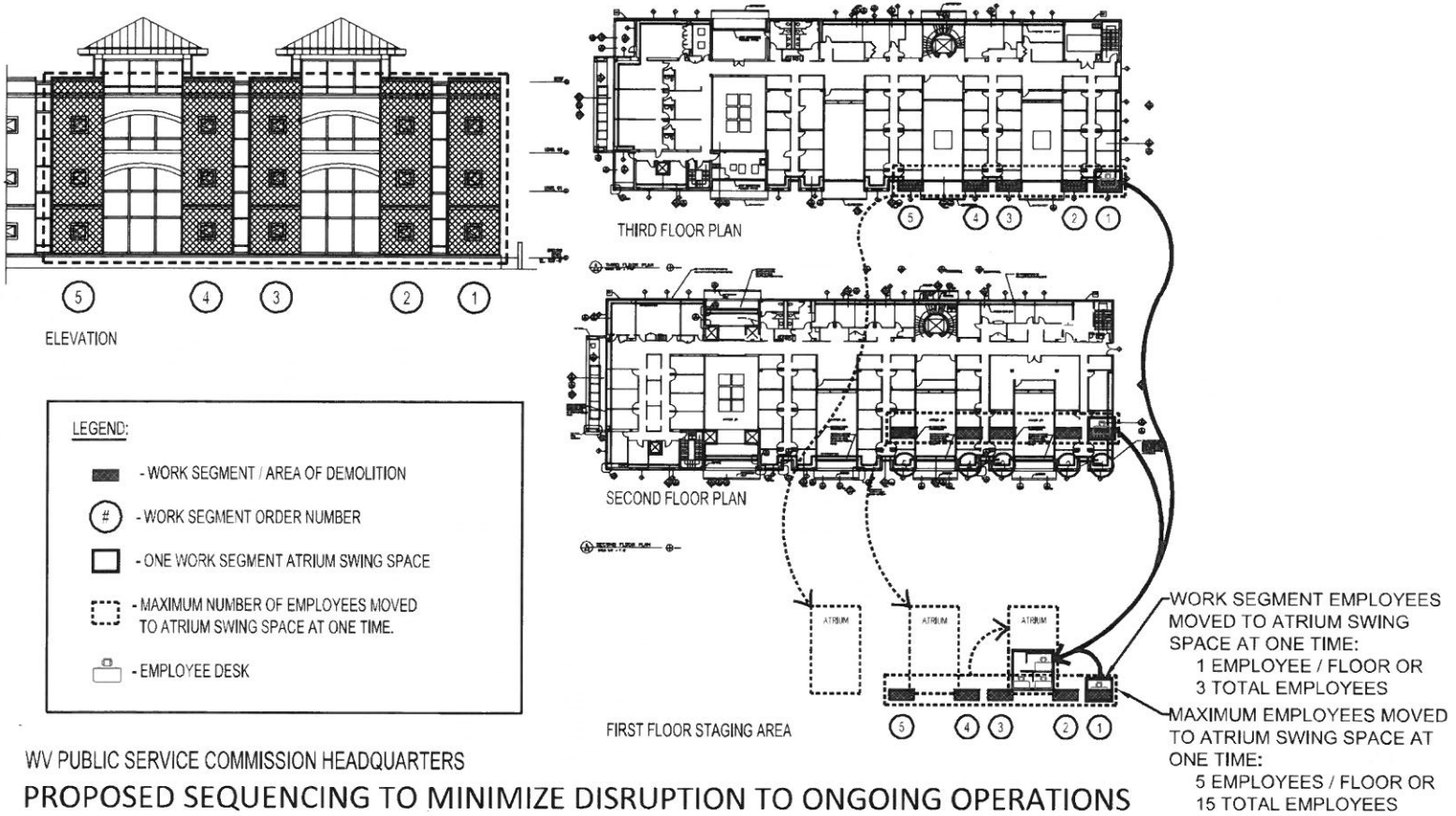
Our final recommendation and solution involved the following:

- The complete replacement of all the existing individual window openings.
- Replacement of the exterior brick veneer with a lightweight terra cotta masonry panel in a 'rainscreen' type assembly with the addition of continuous insulation.
- The existing curtain walls had all the insulated glass replaced, and the aluminum frames were restored.
- Only very minor revisions to existing ductwork were ultimately required to accommodate the new design. These revisions were driven by the desire to add a new curtainwall to the building, not because of the new code.

Although we have not performed any calculations to this effect, we have **essentially reduced the effective rate of energy loss through the exterior of the building by 60 - 75%**, and we expect to see a dramatic reduction in future utility costs.

Implemented Scheme





WV PUBLIC SERVICE COMMISSION HEADQUARTERS

PROPOSED SEQUENCING TO MINIMIZE DISRUPTION TO ONGOING OPERATIONS

UJA Federation Headquarters Building

New York, NY



One of the world's largest local philanthropic organizations planned a major renovation of its headquarters building at 130 East 59th St. and Swanke Hayden Connell Architects was commissioned to **complete a strategic facilities plan, base building and interior renovation. The decision to remain at its current site followed exhaustive studies and consideration of numerous alternatives** until it was determined that remaining at 59th Street would be the most cost-effective choice for the client.

The SHCA team coordinated with the Owner's representative and the construction manager to develop a **three-part implementation plan**: *Part one* addressed the replacement of the existing core functions including the vertical distribution of the new MEP, FP and IT infrastructure. *Part two* consisted of the **complete removal and replacement of the existing façade**, while *Part three* dealt with the interior fit-out of the nine floors that were occupied by the client.

The need to renovate the 59th Street building was largely driven by the fact that **its systems – primarily HVAC and electrical – were 50 years old and well beyond their useful lives**, while the **building's façade had major deficiencies that had to be corrected** under New York City Local Law 11.

The base building renovation included the consolidation of the building core, new passenger/service elevator, redesigned MEP infrastructure, new voice, data and cabling infrastructure, new ADA compliant core toilets, new ground floor lobby, replacement of existing roofs and **a new, over-cladding, curtain wall with new windows**. Design services included the renovation of both the client and office tenant lobbies. New retail store fronts were developed and coordinated with the retail architect's design. Additionally, all signage and store identification standards were established for the retail tenants.

From this unique and ambitious effort, the Owner gained first class, modern premises with improved efficiencies in: operations and maintenance, flexibility for ease in planning modifications, **energy conservation due to state of the art mechanical systems and the new façade**, in line safety and employee comfort, conveying the image of a well organized and forward thinking non-profit charitable institution.



The office environment is greatly enhanced with new systems furniture and an updated layout that locates glass-fronted offices around the interior of each floor, providing open perimeter space and natural light for staff workstations.

Memorandum



130 East 59th Street
New York, NY 10022
Tel: 1.212.980.1000
Fax: 1.212.888.7538
www.ujafedny.org

February 13, 2006

To Whom It May Concern:

In 2002 UJA-Federation of New York employed Swanke Hayden Connell Architects to assess the condition of and repairs required at our 300,000 sq. ft. headquarters property in Manhattan. Swanke employed a team of specialists to evaluate the condition of our building systems, including the building exterior. UJA depended on Swanke's report to prepare a cost evaluation of the program recommended and as a basis for comparing alternative locations developed for UJA by real estate experts.

Based on Swanke's assessment, UJA eventually developed a program to renovate its property, including the installation of entirely new building systems and a new curtain wall. UJA retained Swanke after its assessment to develop architectural and construction documents which formed the basis for our renovation, now more than half-way complete.

Throughout that process Swanke employees and its team of consultants were diligent and hard-working in furtherance of UJA's goals. UJA was well served and well satisfied in having hiring Swanke Hayden Connell.

Sincerely,

A handwritten signature in black ink, appearing to read "Christine A. Flynn". The signature is fluid and cursive, with a long horizontal stroke at the end.

Christine A. Flynn
Director of Real Estate

cc: Mr. George Alexander, AIA

ATTACHMENT A

NAVFAC/USACE PAST PERFORMANCE QUESTIONNAIRE (Form PPQ-0)

CONTRACT INFORMATION (Contractor to complete Blocks 1-4)

1. Contractor Information

Firm Name: Swanke Hayden Connell Architects/ Swanke Hayden Connell Ltd. CAGE Code: 3ER16
 Address: 3007 Tilden Street NW, Suite 2L-100 Washington, DC 20008 DUNs Number: 082345489
 Phone Number: 202-244-2500
 Email Address: alexander.g@shca.com
 Point of Contact: George Alexander, AIA, RIBA, Managing Principal Contact Phone Number: 202-244-2500, x201

2. Work Performed as: Prime Contractor Sub Contractor Joint Venture Other (explain)
 Percent of project work performed: Approximately 55% (all architectural and interior design work as well as project mgmt.
 If subcontractor, who was the prime (Name/Phone #): Not Applicable.

3. Contract Information:

Contract Number: Not applicable
 Delivery/Task Order Number (if applicable): Not applicable
 Contract Type: Firm Fixed Price Cost Reimbursement Other (Please specify):
 Contract Title: UJA Federation Headquarters Modernization
 Contract Location: New York, NY
 Award Date (mm/dd/yy): June 1, 2004
 Contract Completion Date (mm/dd/yy): January 31, 2007
 Actual Completion Date (mm/dd/yy): January 31, 2007
 Explain Differences: Not applicable.

Original Contract Price (Award Amount): \$81,000,000
 Final Contract Price (to include all modifications, if applicable): \$81,000,000
 Explain Differences: Not applicable.

4. Project Description:

Complexity of Work High Medium Routine
 How is this project relevant to project of submission? (Please provide details such as similar equipment, requirements, conditions, etc.) • Full modernization (exterior, interior, infrastructure) of 1950s building with multiple spaces, e.g. office/admin, conferencing center, dining/ food service; • Multi-disciplinary A/E team.

CLIENT INFORMATION (Client to complete Blocks 5-8)

5. Client Information

Name: Anthony Caserma, RA
 Title: Director of Facilities
 Phone Number: 212-836-1856
 Email Address: casermaa@ujafedny.org

6. Describe the client's role in the project: Project liaison between A/E team and internal client departments for all matters pertaining to the project.

7. Date Questionnaire was completed (mm/dd/yy): 06/10/2013

8. Client's Signature: 

NOTE: NAVFAC REQUESTS THAT THE CLIENT COMPLETES THIS QUESTIONNAIRE AND SUBMITS DIRECTLY BACK TO THE OFFEROR. THE OFFEROR WILL SUBMIT THE COMPLETED QUESTIONNAIRE TO NAVFAC WITH THEIR PROPOSAL, AND MAY DUPLICATE THIS QUESTIONNAIRE FOR FUTURE SUBMISSION ON NAVFAC SOLICITATIONS. CLIENTS ARE HIGHLY ENCOURAGED TO SUBMIT QUESTIONNAIRES DIRECTLY TO THE OFFEROR. HOWEVER, QUESTIONNAIRES MAY BE SUBMITTED DIRECTLY TO NAVFAC. PLEASE CONTACT THE OFFEROR FOR NAVFAC POC INFORMATION. THE GOVERNMENT RESERVES THE RIGHT TO VERIFY ANY AND ALL INFORMATION ON THIS FORM.

*ADJECTIVE RATINGS AND DEFINITIONS TO BE USED TO BEST REFLECT
YOUR EVALUATION OF THE CONTRACTOR'S PERFORMANCE*

RATING	DEFINITION	NOTE
(E) Exceptional	Performance meets contractual requirements and exceeds many to the Government/Owner's benefit. The contractual performance of the element or sub-element being assessed was accomplished with few minor problems for which corrective actions taken by the contractor was highly effective.	An Exceptional rating is appropriate when the Contractor successfully performed multiple significant events that were of benefit to the Government/Owner. A singular benefit, however, could be of such magnitude that it alone constitutes an Exceptional rating. Also, there should have been NO significant weaknesses identified.
(VG) Very Good	Performance meets contractual requirements and exceeds some to the Government's/Owner's benefit. The contractual performance of the element or sub-element being assessed was accomplished with some minor problems for which corrective actions taken by the contractor were effective.	A Very Good rating is appropriate when the Contractor successfully performed a significant event that was a benefit to the Government/Owner. There should have been no significant weaknesses identified.
(S) Satisfactory	Performance meets minimum contractual requirements. The contractual performance of the element or sub-element contains some minor problems for which corrective actions taken by the contractor appear or were satisfactory.	A Satisfactory rating is appropriate when there were only minor problems, or major problems that the contractor recovered from without impact to the contract. There should have been NO significant weaknesses identified. Per DOD policy, a fundamental principle of assigning ratings is that contractors will not be assessed a rating lower than Satisfactory solely for not performing beyond the requirements of the contract.
(M) Marginal	Performance does not meet some contractual requirements. The contractual performance of the element or sub-element being assessed reflects a serious problem for which the contractor has not yet identified corrective actions. The contractor's proposed actions appear only marginally effective or were not fully implemented.	A Marginal is appropriate when a significant event occurred that the contractor had trouble overcoming which impacted the Government/Owner.
(U) Unsatisfactory	Performance does not meet most contractual requirements and recovery is not likely in a timely manner. The contractual performance of the element or sub-element contains serious problem(s) for which the contractor's corrective actions appear or were ineffective.	An Unsatisfactory rating is appropriate when multiple significant events occurred that the contractor had trouble overcoming and which impacted the Government/Owner. A singular problem, however, could be of such serious magnitude that it alone constitutes an unsatisfactory rating.
(N) Not Applicable	No information or did not apply to your contract	Rating will be neither positive nor negative.

Contractor Information (Firm Name): Swanke Hayden Connell Architects/ Swanke Hayden Connell Ltd.

Client Information (Name): Anthony Caserma, RA, Director of Facilities

TO BE COMPLETED BY CLIENT

PLEASE CIRCLE THE ADJECTIVE RATING WHICH BEST REFLECTS YOUR EVALUATION OF THE CONTRACTOR'S PERFORMANCE.

1. QUALITY:	
a) Quality of technical data/report preparation efforts	<input checked="" type="radio"/> E VG S M U N
b) Ability to meet quality standards specified for technical performance	<input checked="" type="radio"/> E VG S M U N
c) Timeliness/effectiveness of contract problem resolution without extensive customer guidance	E <input checked="" type="radio"/> VG S M U N
d) Adequacy/effectiveness of quality control program and adherence to contract quality assurance requirements (without adverse effect on performance)	<input checked="" type="radio"/> E VG S M U N
2. SCHEDULE/TIMELINESS OF PERFORMANCE:	
a) Compliance with contract delivery/completion schedules including any significant intermediate milestones. <i>(If liquidated damages were assessed or the schedule was not met, please address below)</i>	<input checked="" type="radio"/> E VG S M U N
b) Rate the contractor's use of available resources to accomplish tasks identified in the contract	E <input checked="" type="radio"/> VG S M U N
3. CUSTOMER SATISFACTION:	
a) To what extent were the end users satisfied with the project?	<input checked="" type="radio"/> E VG S M U N
b) Contractor was reasonable and cooperative in dealing with your staff (including the ability to successfully resolve disagreements/disputes; responsiveness to administrative reports, businesslike and communication)	<input checked="" type="radio"/> E VG S M U N
c) To what extent was the contractor cooperative, businesslike, and concerned with the interests of the customer?	<input checked="" type="radio"/> E VG S M U N
d) Overall customer satisfaction	<input checked="" type="radio"/> E VG S M U N
4. MANAGEMENT/ PERSONNEL/LABOR	
a) Effectiveness of on-site management, including management of subcontractors, suppliers, materials, and/or labor force?	E <input checked="" type="radio"/> VG S M U N
b) Ability to hire, apply, and retain a qualified workforce to this effort	E <input checked="" type="radio"/> VG S M U N
c) Government Property Control	E VG S M U <input checked="" type="radio"/> N
d) Knowledge/expertise demonstrated by contractor personnel	E <input checked="" type="radio"/> VG S M U N
e) Utilization of Small Business concerns	E VG S M U <input checked="" type="radio"/> N
f) Ability to simultaneously manage multiple projects with multiple disciplines	<input checked="" type="radio"/> E VG S M U N
g) Ability to assimilate and incorporate changes in requirements and/or priority, including planning, execution and response to Government changes	E <input checked="" type="radio"/> VG S M U N
h) Effectiveness of overall management (including ability to effectively lead, manage and control the program)	<input checked="" type="radio"/> E VG S M U N
5. COST/FINANCIAL MANAGEMENT	
a) Ability to meet the terms and conditions within the contractually agreed price(s)?	<input checked="" type="radio"/> E VG S M U N

Contractor Information (Firm Name): Swanke Hayden Connell Architects/ Swanke Hayden Connell Ltd.

Client Information (Name): Anthony Caserma, RA, Director of Facilities

b) Contractor proposed innovative alternative methods/processes that reduced cost, improved maintainability or other factors that benefited the client	E <input checked="" type="radio"/> VG <input type="radio"/> S <input type="radio"/> M <input type="radio"/> U <input type="radio"/> N
c) If this is/was a Government cost type contract, please rate the Contractor's timeliness and accuracy in submitting monthly invoices with appropriate back-up documentation, monthly status reports/budget variance reports, compliance with established budgets and avoidance of significant and/or unexplained variances (under runs or overruns)	E <input checked="" type="radio"/> VG <input type="radio"/> S <input type="radio"/> M <input type="radio"/> U <input type="radio"/> N
d) Is the Contractor's accounting system adequate for management and tracking of costs? <i>If no, please explain in Remarks section.</i>	<input checked="" type="radio"/> Yes <input type="radio"/> No
e) If this is/was a Government contract, has/was this contract been partially or completely terminated for default or convenience or are there any pending terminations? <i>Indicate if show cause or cure notices were issued, or any default action in comment section below.</i>	<input type="radio"/> Yes <input checked="" type="radio"/> No
f) Have there been any indications that the contractor has had any financial problems? <i>If yes, please explain below.</i>	<input type="radio"/> Yes <input checked="" type="radio"/> No
6. SAFETY/SECURITY	
a) To what extent was the contractor able to maintain an environment of safety, adhere to its approved safety plan, and respond to safety issues? (Includes: following the users rules, regulations, and requirements regarding housekeeping, safety, correction of noted deficiencies, etc.)	E <input checked="" type="radio"/> VG <input type="radio"/> S <input type="radio"/> M <input type="radio"/> U <input type="radio"/> N
b) Contractor complied with all security requirements for the project and personnel security requirements.	E <input checked="" type="radio"/> VG <input type="radio"/> S <input type="radio"/> M <input type="radio"/> U <input type="radio"/> N
7. GENERAL	
a) Ability to successfully respond to emergency and/or surge situations (including notifying COR, PM or Contracting Officer in a timely manner regarding urgent contractual issues).	E <input checked="" type="radio"/> VG <input type="radio"/> S <input type="radio"/> M <input type="radio"/> U <input type="radio"/> N
b) Compliance with contractual terms/provisions <i>(explain if specific issues)</i>	E <input checked="" type="radio"/> VG <input type="radio"/> S <input type="radio"/> M <input type="radio"/> U <input type="radio"/> N
c) Would you hire or work with this firm again? <i>(If no, please explain below)</i>	<input checked="" type="radio"/> Yes <input type="radio"/> No
d) In summary, provide an overall rating for the work performed by this contractor.	E <input checked="" type="radio"/> VG <input type="radio"/> S <input type="radio"/> M <input type="radio"/> U <input type="radio"/> N

Please provide responses to the questions above (if applicable) and/or additional remarks. Furthermore, please provide a brief narrative addressing specific strengths, weaknesses, deficiencies, or other comments which may assist our office in evaluating performance risk (please attach additional pages if necessary):

This was a multi-phased, multi-discipline effort. Entire MEP systems were replaced, entire floors gutted, exterior facade removed, structural elements were reinforced all while the client was in occupancy and operating normally. SHCA maintained a high level of competency throughout all phases of the project.

Old Post Office

Washington, DC



SHCA assisted the US General Services Administration under a Design/Build contract to renovate the exterior façade and roofing of the Old Post Office Building in preparation for the redevelopment of the structure by a private developer.

Exterior Restoration

Several years prior to the awarding of this project to SHCA, a conditions analysis was prepared by an engineering consultant for GSA. SHCA used this prior investigation as a starting point to verify the present conditions. Upon further hands-on and visual inspection of the building, **SHCA also identified whether these conditions had deteriorated and noted if any additional masonry, roof or flashing deterioration conditions had developed.** The pre-existing conditions along with newly discovered damage and deterioration were recorded, serving as the basis for the **prescriptive repair documents.**

Granite Façade Restoration

The granite façade suffered from cracking, spalling, failed mortar and sealant joints. The granite was also heavily soiled and stained. A careful study of crack patterns revealed a repetitive pattern at arched window openings. Further investigation determined that the cracking was caused by differential movement between the granite face and the brick masonry backup during building settlement and did not represent any immediate structural concern. However, **the cracks allowed an unwanted source of water infiltration and were repaired using a compatible patching mortar.**

A specific crack condition located at a door lintel at a public entry posed a potential life-safety hazard. A structural repair using stainless steel pins and epoxy was used. Mortar joints that failed were generally located at or below projecting horizontal building elements such as cornices or sills. SHCA along with GSA Historic Preservation representatives were able to locate some original mortar joint profiles from protected areas of the building. After SHCA performed in-house mortar characterization, **all damaged joints were repointed replicating the historic mortar in texture, color, strength and joint profiles.** The building was also cleaned.



Slate Roof Restoration

Twelve dormers were completely re-shingled. **Deteriorated wood sheathing was replaced and ice and water shield was installed.** The balance of slate roofing work included the **replacement of cracked, loose and missing slate shingles.** In addition, exposed slate fasteners near the ridge cap were sealed or replaced. Missing snow guards were replaced. The steeply gabled roof had undergone previous repair campaigns, resulting in a great variation across the roof of the building in terms of color, size and wear. Historical documentation and a strong knowledge of building materials helped identify the original slate as "Peach Bottom" from Pennsylvania. Since the original quarry had long since closed, SHCA worked closely with the slate roofing contractor to locate and select suitable salvaged slates to match the existing historic slate in terms of size, shape, color and type of slate.

Roof Ornamental Metal Restoration

The ornamental copper roof cresting near the peak of the gable roof had several sections missing, which were replaced in kind. These missing sections not only allowed water to penetrate into

Old Post Office

the building, but their absence weakened the adjoining copper cresting sections.

Roof Flashing and Gutters

SHCA conducted an interior survey at the dormer windows and noted areas of water infiltration and plaster damage.

Under SHCA's guidance, the roofing contractor inspected the valley and step flashing and performed controlled water tests of the slate roofing and sheet metal flashing system. **As a result of the investigation, the flashing was replaced along with any damaged slate and wood underlayment.** In addition, SHCA surveyed the gutter conditions at the roof and noted that the copper lock joints had typically opened up or had loosened. The built-in copper gutter was completely replaced in-kind. Underlying wood repairs were performed as required. New lead-coated copper water table flashing was also installed. SHCA also identified clogged drains which were subsequently cleared.

Building Occupancy

During the repair work at the masonry façades and the roof, the **building remained fully occupied and operational.**





GSA National Capital Region

September 8, 2006

To Whom It May Concern:

From the year 2000 to the present, as my role as General Services Administration Historic Preservation representative, I have worked closely with Swanke Hayden Connell Architects on a number of historically significant federally owned properties in Washington DC. I first became acquainted with the members of this firm on the modernization project for the Internal Revenue Services Building Headquarters. I was impressed by their knowledge, thoroughness and detailed methodology they brought to assessing the conditions, making recommendations for repairs, and then producing clear construction documents required for a comprehensive exterior restoration of the building.

Their approach was professional and principled, but they were open to and encouraged discussion about a design approach for a particular restoration solution. For example, Swanke Hayden Connell performed a materials cleaning and testing program prior to the development of design documents for the IRS Building. They investigated a number of different methods by which to clean the various stains from the different materials of the building. Their tests ranged from the gentlest possible cleaning methods to a mildly abrasive method. When the tests were completed, they did not make unilateral decisions, but the architects at Swanke Hayden Connell made certain that they included me in the process of determining which method was best for the cleaning the building and was consistent with the agency's philosophy towards historic preservation.

Since that project, I have worked on a number of historically significant projects with Swanke Hayden Connell including the Old Post Office Building, Ariel Rios Building and the EPA East and West Building. I have been consistently satisfied with their work and have enjoyed a collegial relation with them. On each of these projects, I have found that Swanke Hayden Connell maintains a high level of integrity and exhibits a dedication for their work. I have no reservations and would highly recommend them for your future project needs.

Sincerely,

A handwritten signature in black ink, appearing to read "Thomas G. McDowell". The signature is fluid and cursive.

Thomas G. McDowell, PA, AIC

Architectural Conservator
Regional Fine Arts Officer
The Old Post Office, rm M14
1100 Pennsylvania Avenue
Washington, DC 20004
202.208.6812 office
202.841.3620 cell
202.692.3396 fax

U.S. General Services Administration
301 7th Street SW
Washington, DC 20407-0001
www.gsa.gov

National Society of the Daughters of the American Revolution

Washington, DC



Swanke Hayden Connell Architects was retained to prepare a **Phase I Building Assessment and Facilities Master Plan** for the rehabilitation of The National Society of the Daughters of the American Revolution (NSDAR) complex.

The complex comprises of three distinct structures:

- a) Memorial Continental Hall, a National Historic Landmark, with its primary façade on 17th Street facing the Ellipse to the east;
- b) Constitution Hall, a National Historic Landmark, with its primary façade facing 18th Street;
- c) the Administration Building, its primary entry on D St, which connects Memorial Continental Hall with Constitution Hall.

These three buildings were constructed in four major phases between 1904 and 1948 and contain a total of 300,000 sq. ft.

The study was completed in the Spring of 2006 and is used as a **planning document and fundraising resource**. It provides the NSDAR with a document which presents a clear evaluation of the existing conditions and makes recommendations for repair, restoration and renovations. These recommendations are identified as scope of work items and then **prioritized** based upon levels of concern. Each scope of work item has an associated construction cost estimate enabling the NSDAR to prepare both short and long range capital improvement and critical repair and maintenance programs.

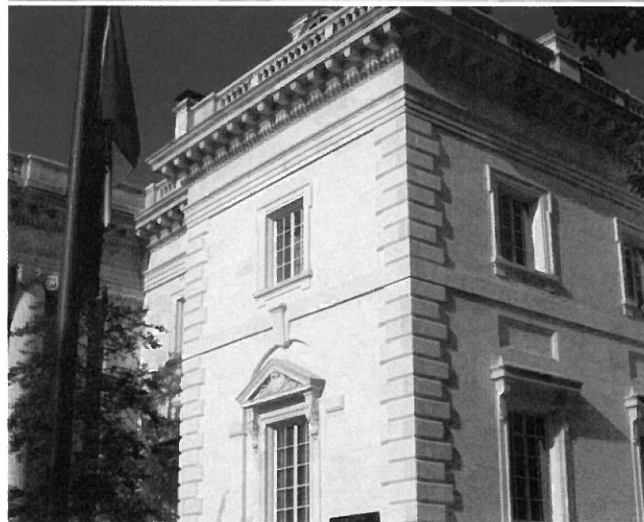
This report was prepared to meet NSDAR's goals:

- Preserve the Complex's historic fabric and resources.
- Provide a facility which supports all DAR organizational, operational, spatial and special requirements utilizing functional state of the art and cost effective modern building systems.
- Provide a fully modernized facility which conforms to current building codes, fire/life safety, environmental, and energy standards.

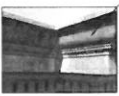





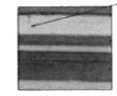
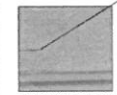

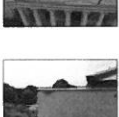
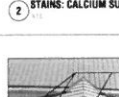




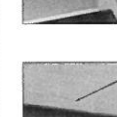

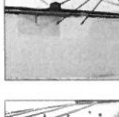




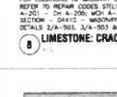

As a result of this Building Assessment and Master Plan, Swanke issued Phase II of the construction documents for the

Exterior Restoration and Repair of Memorial Continental Hall and Constitution Hall which **directed the completion of the cleaning, pointing and masonry repairs** for these buildings. Following this critical repair and maintenance SHCA addressed the marble terraces and their steps and balustrades which **had severe problems of subsurface erosion and water infiltration**.

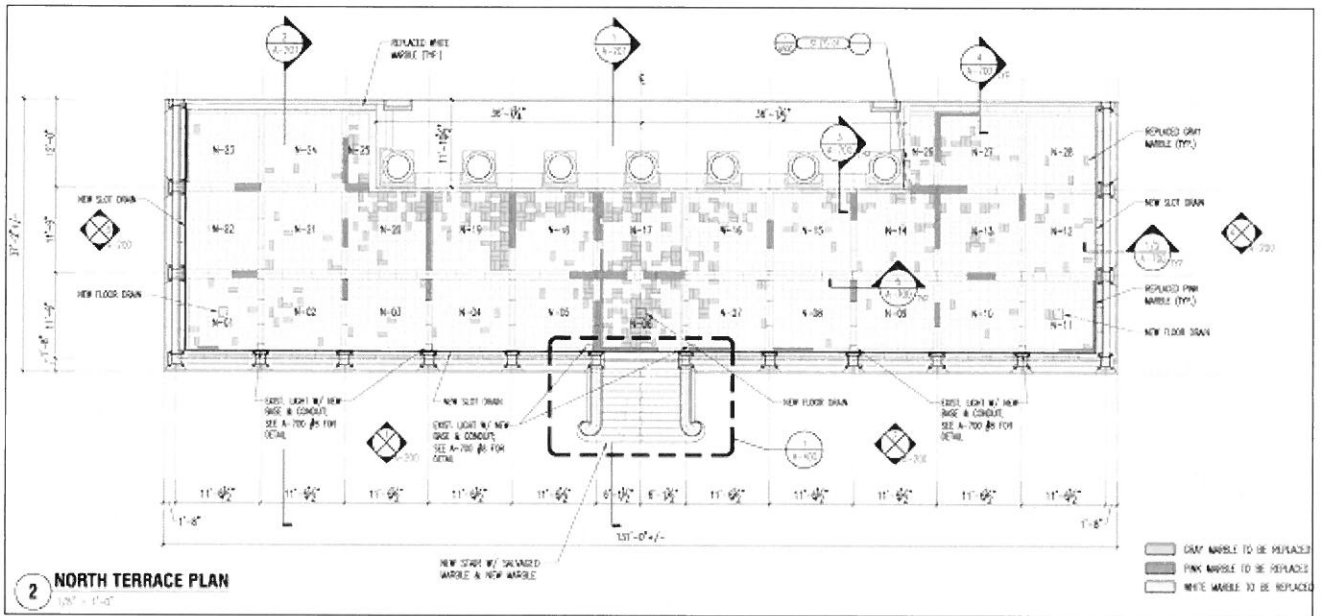
SHCA concurrently implemented elements of Phase III, the modernizing and improvement of the interior space and functionality, beginning with the redesign of the main entry at the administration building and the entry to the library in Memorial Continental Hall.



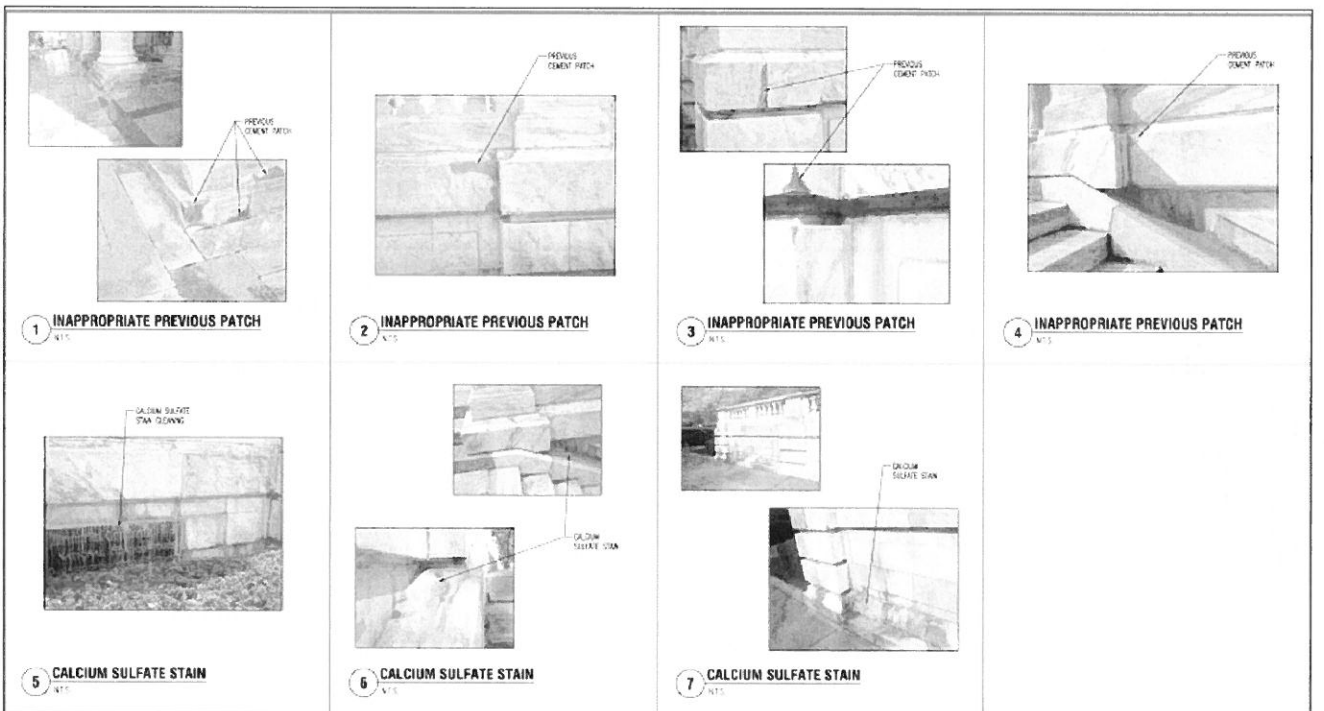
National Society of the Daughters of the American Revolution

 <p>TYPICAL ALGAE BASED STAIN TO BE CLEANED</p>  <p>TYPICAL ALGAE BASED STAIN TO BE CLEANED - DETAIL OF SURFACE TO BE CLEANED</p> <p>FOR LOCATIONS TO BE CLEANED REFER TO REPAIR CODE CL 02 ON SHEETS CH A-201 - CH A-202, MCH A-201 & MCH A-202. SEE SPEC SECTION 0410 - MASONRY CLEANING AND CONSERVATION</p>	 <p>TYPICAL AREA WHERE CALCIUM SULFATE MOLD OF DECORATIVE AREA TO BE CLEANED</p>  <p>TYPICAL AREA WHERE CALCIUM SULFATE MOLD OF DECORATIVE AREA TO BE CLEANED</p> <p>FOR LOCATIONS TO BE CLEANED REFER TO REPAIR CODE CL 03 ON SHEETS CH A-201 - CH A-202, MCH A-201 & MCH A-202. SEE SPEC SECTION 0410 - MASONRY CLEANING AND CONSERVATION</p>	 <p>AREA OF COPPER STAINING TO BE CLEANED</p>  <p>CONDUIT FASTENER AREA OF COPPER AND STAINING TO BE CLEANED</p> <p>FOR LOCATIONS TO BE CLEANED REFER TO REPAIR CODES CL 04, CL 05 & CL 06 ON SHEETS CH A-201 - CH A-202, MCH A-201 & MCH A-202. SEE SPEC SECTION 0410 - MASONRY CLEANING AND CONSERVATION</p>	 <p>EXAMPLE OF MISSING MORTAR JOINT ON VERTICAL PLANE TO BE REPAIRED</p>  <p>EXAMPLE OF MISSING MORTAR JOINT ON VERTICAL PLANE TO BE REPAIRED</p> <p>FOR LOCATIONS TO BE REPAIRED REFER TO REPAIR CODE PD 01, PD 02 & PD 03 FOR LIMESTONE, MARBLE AND BRICK REPAIRS. SEE SHEETS CH A-201 - CH A-202, MCH A-201 & MCH A-202. SEE SPEC SECTION 0410 - MORTAR AND REPOINTING. SEE DETAILS J/A-103 & J/A-104.</p>	<p>SWANKE HAYDEN CONNELL ARCHITECTS</p> <p>1000 North College Street Charleston, South Carolina 29403 Phone: 803.799.1000, Fax: 803.799.1002</p> <p>Sheet: 03/21/07 Project: NSDAR Headquarters Restoration Phase II - Masonry Repair and Restoration Scale: AS NOTED Date: 03/21/07 Author: JHC Checked: JHC Title: SITE PHOTOGRAPHS</p>
 <p>TYPICAL AREAS WHERE LEAD CAPS ARE TO BE PLACED AT JOINTS</p>  <p>EXAMPLES OF TYPICAL HORIZONTAL JOINTS & PROTECTIVE ELEMENTS TO BE COVERED WITH LEAD CAP</p> <p>FOR AREAS THAT WILL EMPLOY LEAD CAPS REFER TO REPAIR CODE LC-01 ON SHEETS CH A-201 - CH A-202, MCH A-201 & MCH A-202. SEE SPEC SECTION 0410 - LEAD CAPS AT MASONRY. SEE DETAIL J/A-103 FOR REPAIR DETAILS.</p>	 <p>REMOVE/REPLACE DAMAGED OR MISSING SEALANT & FLASHING IN THIS AREA</p>  <p>CLOSE-UP SHOWING 'X' MARK SEALANT TO BE REMOVED/REPLACED & PROTECTIVE ELEMENTS TO BE COVERED WITH LEAD CAP</p> <p>FOR LOCATIONS REQUIRING SEALANT REPAIRS REFER TO REPAIR CODES SE ON SHEETS CH A-201 - CH A-202, MCH A-201 & MCH A-202. SEE SPEC SECTION - SEALS - SEALANTS.</p>	 <p>EXAMPLE OF SPALL OF CONCRETE AT CONSTRUCTION WALL</p>  <p>EXAMPLE OF SURFACE SPALL AT CONSTRUCTION WALL</p> <p>FOR LOCATIONS OF MASONRY SPALLS REQUIRING PATCHING REFER TO REPAIR CODES ST (U) 01 AND ST 010 ON SHEETS CH A-201 - CH A-202, MCH A-201 & MCH A-202. SEE SPEC SECTION - 0410 - MASONRY RESTORATION AND REPAIR. SEE DETAILS S/A-103 & S/A-104.</p>	 <p>EXAMPLE OF CRACK TO BE REPAIRED</p>  <p>EXAMPLE OF CRACK TO BE REPAIRED</p> <p>FOR LOCATIONS TO MASONRY CRACKS AND LOOSE FRAGMENTS REFER TO REPAIR CODES ST0101 AND ST0103 ON SHEETS CH A-201 - CH A-202, MCH A-201 & MCH A-202. SEE SPEC SECTION - 0410 - MASONRY RESTORATION AND REPAIR. SEE DETAILS S/A-103, S/A-104 & S/A-105.</p>	<p>NOTICE</p> <p>THIS DOCUMENT IS THE PROPERTY OF SWANKE HAYDEN CONNELL ARCHITECTS. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF SWANKE HAYDEN CONNELL ARCHITECTS. ANY UNAUTHORIZED USE OF THIS DOCUMENT IS PROHIBITED AND WILL BE SUBJECT TO LEGAL ACTION.</p> <p>NSDAR Headquarters Exterior Entablature Restoration Phase II - Masonry Repair and Restoration</p> <p>DATE: 03/21/07 SCALE: AS NOTED SHEET: 03/21/07 PAGE: 10</p>
 <p>EXAMPLE OF POORLY PATCHED AREA OF CONCRETE AT CONSTRUCTION WALL</p>  <p>TYPICAL EXAMPLES OF DAMAGED OCCURRING AT POORLY PATCHED AREAS & CONSTRUCTION WALL ELEMENT</p> <p>FOR LOCATIONS OF DAMAGED PATCHES REFER TO REPAIR CODE ST0201 ON SHEETS CH A-201 - CH A-202, MCH A-201 & MCH A-202. SEE SPEC SECTION 0410 - MASONRY RESTORATION AND REPAIR. SEE REPAIR DETAIL J/A-103.</p>	 <p>SEE STRUCTURAL DRAWING FOR REPAIRS AT CONSTRUCTION WALL ELEMENT</p>  <p>SEE STRUCTURAL DRAWING FOR REPAIRS AT CONSTRUCTION WALL ELEMENT</p> <p>LIMESTONE: 16TH STREET PEDIMENT</p>	 <p>EXAMPLES OF DETRIORATED FLASHING FASTENERS AT CONSTRUCTION WALL. FLASHING AT MASONRY FLASHING TO BE REMOVED AND PATCH</p>  <p>BIRD ANCHORS AT MEMORIAL CONSTRUCTION WALL TO BE REMOVED AND PATCH</p> <p>FOR LOCATIONS OF FASTENERS TO BE REMOVED AND REPAIRED REFER TO REPAIR CODES ST0201 & ST0202 ON SHEETS CH A-201 - CH A-202, MCH A-201 & MCH A-202. SEE SPEC SECTION 0410 - MASONRY RESTORATION AND REPAIR. SEE REPAIR DETAIL J/A-103.</p>	 <p>EXAMPLE OF STRESS CRACK BELOW WINDOW OPENING & REAR FACADE - CONSTRUCTION WALL</p>  <p>SPALLED BRICK AT WINDOW AT REAR FACADE CONSTRUCTION WALL</p> <p>FOR LOCATIONS OF BRICK CRACKS, SPALLS REFER TO REPAIR CODES BR-01 & BR-02 ON SHEETS CH A-204. SEE SPEC SECTION 0410.5 REPAIR DETAIL J/A-104.</p>	<p>NSDAR Headquarters Exterior Entablature Restoration Phase II - Masonry Repair and Restoration</p> <p>DATE: 03/21/07 SCALE: AS NOTED SHEET: 03/21/07 PAGE: 10</p> <p>A-501</p>

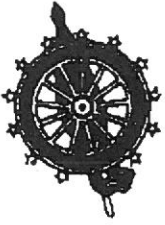
Site Conditions - Before Entablature Restoration & Exterior Stabilization



Architectural Design Development - Restoration Plan for Terraces



Terrace Restoration



National Society Daughters of the American Revolution

Stephen Wm. Nordholt – Administrator

1776 D Street NW, Washington, DC 20006-5303 ★ Phone (202) 879-3249 ★ Fax (202) 879-3252

E-mail: snordholt@dar.org

February 10, 2006

Attn: Mr. Lew Brode, Branch Manager
Greenman-Pederson, Inc.
7650 Standish Place, Suite 109
Rockville, MD 20855

To Whom It May Concern:

The National Society Daughters of the American Revolution (DAR) was recently contacted by Mr. Lew Brode, Branch Manager with Greenman –Pederson, Inc. (GPI), asking if we would consider writing a letter of recommendation to accompany a proposal being made to the Kennedy Center. As Administrator of DAR, I am more than happy to acknowledge the fine work performed by GPI and Swanke Hayden Connell in regards to the preparation of a *Building Conservation Assessment* for our organization at the end of last year.

The needs of a historic property that occupies a large city block in the White House grid are many considering the age and complexity of the structure, as well as the fact that we house a library, museum and performing arts auditorium (Constitution Hall). The *Building Conservation Assessment* prepared by the team lead by Lew Brode from GPI, and Joseph Spina with Swank Hayden Connell has provided DAR with a long-term plan for restoring and maintaining its facilities --- and the essential foundation for the Society's first comprehensive Capital Improvement Program. The *Assessment* was quite comprehensive, communication throughout the project was excellent, and all timing benchmarks were met.

I welcome any inquiries you might have about our experience with GPI/Swanke Hayden Connell. I can be reached at 202-879-3249, or at snordholt@dar.org. Otherwise, best of luck with the project you are about to undertake.

Sincerely,

Stephen Wm. Nordholt
Administrator

West Virginia State Capitol Complex

Charleston, WV



Recipient of AIA New York State Merit Award, 2006

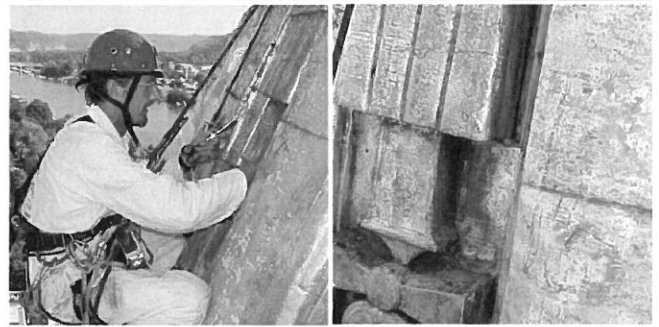
The West Virginia State Capitol, designed by Cass Gilbert in 1922, was completed in 1932. The dominant feature on the building is the gilded dome, based on the 17th century dome of the Hotel des Invalides in Paris. This building is considered one of the architect's finest achievements.

Exterior Restoration - Dome, Façade Cleaning and Masonry Repairs

SHCA's involvement, which began as a dome re-gilding project, developed into a **full-scale rehabilitation of the building envelope**, including structural repairs, masonry cleaning and repairs, window rehabilitation and repairs and refinishing of ornamental metalwork.

Phase I - Dome Rehabilitation: Since its completion in the early 1930's, the dome's applied surface coatings have repeatedly failed after five different restoration campaigns. The dome was abrasively blasted and painted in the 1940s, 1960s and 1970s, resulting in a bimetallic coating of exposed copper and lead beneath the coatings. Each time, the coatings failed within a few years. By 2000, the existing gold leaf finish suffered from unsightly black streaking and loss due to poor application techniques. The dome also exhibited mechanical failure of the sheet metal cladding. The underlying structural steel had seriously corroded due to water infiltration. **SHCA assessed the last gilding campaign in order to make repair and maintenance recommendations.** The scope of work included evaluating the past performance of the previous gilding and coating campaigns to determine the exact causes for the various failures, and preparation of specifications reflecting current technology and monitoring requirements.

Investigative work included a detailed hands-on inspection of the dome and an accelerated testing and monitoring program of the recommended coating systems. **The project returned the dome to its original appearance** using a durable coating system, while making necessary repairs to underlying architectural and structural deficiencies. Due to the specified environmental enclosure the project was finished nine months ahead of schedule. Likewise, **the project came in 10% under**



West Virginia State Capitol Complex

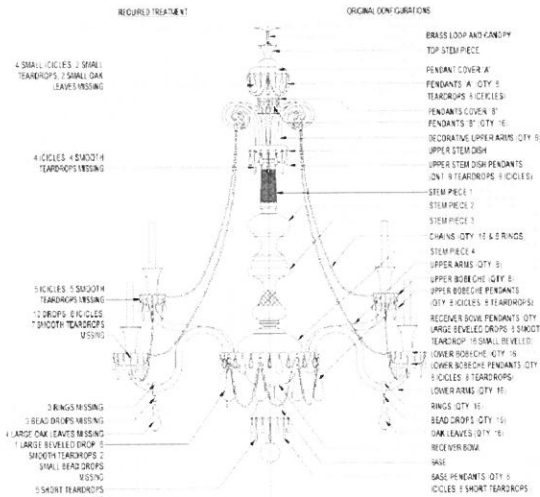
budget allowing additional exterior work to be performed including **cleaning, repair and restoration of the limestone dome drum and ornamental grilles.**

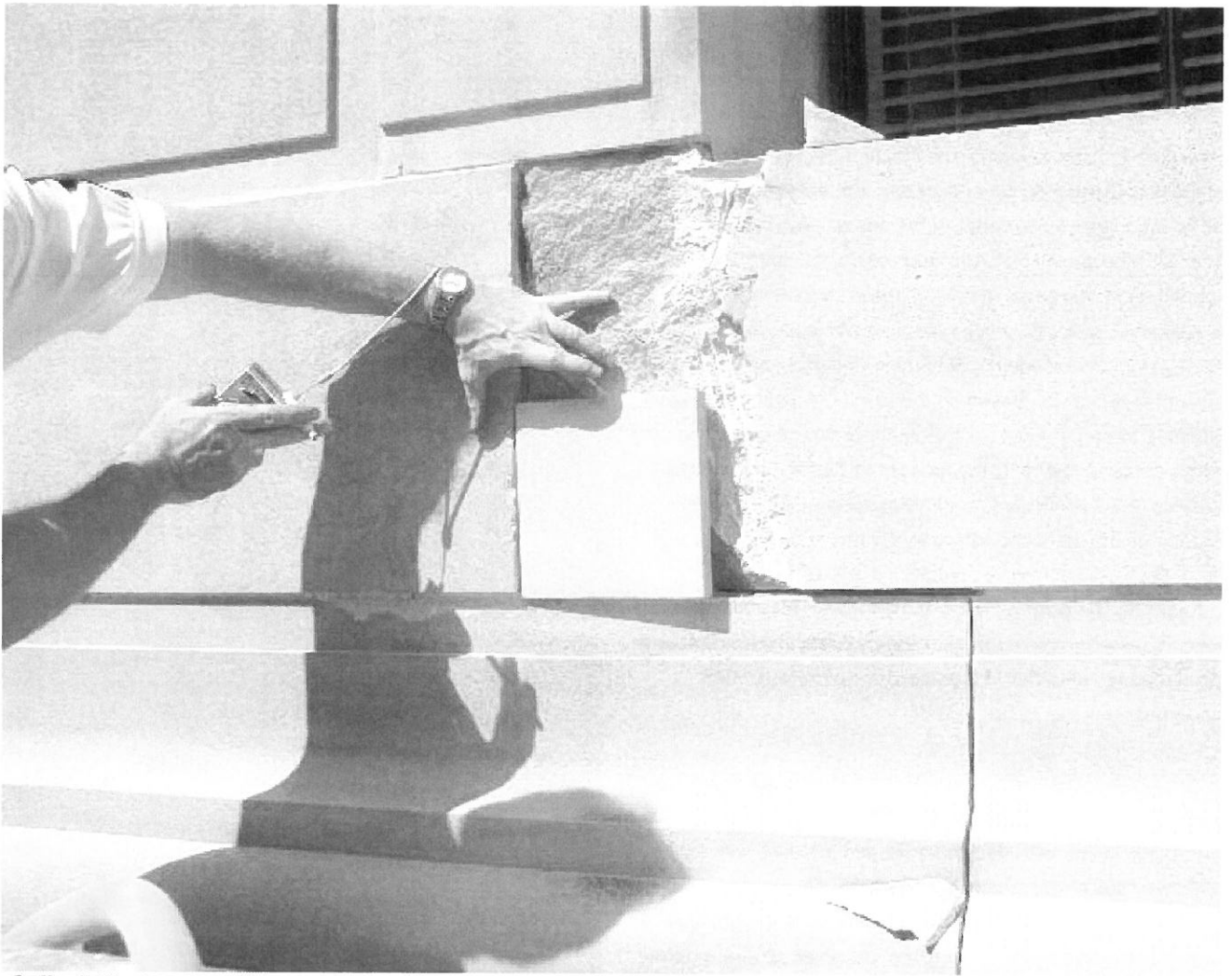
Phase II - Façade Cleaning and Masonry Repairs: Preparation of the construction documents began with a **detailed survey of all of the exterior elements** performed at close range from a man lift. The survey included limestone, terra cotta, windows, lighting and ornamental metal materials. A comprehensive investigative probe campaign was undertaken at representative locations on the façades to determine underlying conditions and construction details. Based on the results of a comprehensive cleaning testing program including chemical, water misting, and micro-abrasive methods, the **limestone façade was cleaned** with the JOS Quintex micro-abrasive system. A lead-based coating on the bronze windows was removed as part of a hazardous material abatement prior to **repairing and refinishing the original historic windows.** All window repairs were coordinated with the building occupants, and the building remained occupied during construction activities.

Approximately one-half of the limestone joints were repointed with appropriate matching mortar. Any inappropriate previous cementitious patches were removed and replaced with either matching Dutchman repairs or compatible composite patching repairs. As part of the holistic repair treatment, the **terra cotta cornice was temporarily removed, repaired and reinstalled after the underlying steel deficiencies were corrected.** In addition the original polychrome appearance of the terra cotta was re-established.

Concurrent Work

SHCA also provided services for miscellaneous interior projects including restoration of the Governor's Office chandelier, review and advice on repairs to interior exit stairs, corridor renovation of the Governor's Suite, and Legislative Chambers ceiling water damage.







STATE OF WEST VIRGINIA
DEPARTMENT OF ADMINISTRATION
OFFICE OF THE CABINET SECRETARY

ROBERT W. FERGUSON, JR.
CABINET SECRETARY

JOE MANCHIN III
GOVERNOR

February 6, 2006

Mr. Robert Vail Cole, AIA
Associate Principal
Director of Historic Preservation
Swanke Hayden Connel Architects
295 Lafayette Street
New York, NY 10012

Dear Mr. Cole:

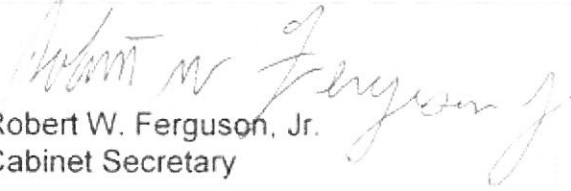
On behalf of the state of West Virginia, I wish to express our appreciation and satisfaction with your participation in the recent renovation of our State Capitol dome in Charleston, West Virginia.

The major role your firm played in this historic restoration project contributed to the successful outcome which many of us are fortunate to view on a daily basis. Your representatives worked in a cooperative manner with our team of experts, both internal and external, in creating *to perfection* our desired outcome.

The restoration of our State Capitol dome, based on the design originated by architect Cass Gilbert and erected in the early 1930s, has received widespread attention by our state residents as well as those individuals outside of West Virginia. It is truly a landmark for all to enjoy.

As this project is now successfully completed, our compliments are extended to you and your staff on a job well done.

Sincerely Yours,


Robert W. Ferguson, Jr.
Cabinet Secretary

RWF:dmh

Holly Grove Mansion

Charleston, WV



PROJECT EXPERIENCE

Located next to the Governor's Mansion on the campus of the West Virginia State Capital Complex, Holly Grove Mansion is a 6,330 sq. ft., Classical Revival historic residence originally built in 1815. The home gained its present day appearance in 1903 when a new owner added the monumental front portico, rear addition and third floor to the original federal style mansion. The house is listed on the National Register of Historic Places. In 1979 Holly Grove became headquarters for the Commission on Aging. The building was later vacated in 2005. In spite of significant alterations the building's interior retains a significant amount of historic fabric although much of it dating from the 1815 period is presently concealed. It suffers from an antiquated mechanical, electrical and plumbing system, structural deficiencies and unsympathetic architectural modifications resulting in the present incongruous appearance of the building interior. **The building exterior also suffered from deferred maintenance and does not provide compliant access for the disabled.**

The State of West Virginia established a mandate to rehabilitate the structure and determine an appropriate new use for the building. Swanke was retained to perform a **comprehensive due diligence evaluation and to develop new viable adaptive re-use scenarios** that would comply with standards mandated by the State Historic Preservation Office (SHPO). **The scope of services includes a full building conditions assessment, probe investigation to uncover concealed historic components, evaluation and dating of the remaining historic materials, repair of deteriorated structural components, comprehensive modernization to make the space comfortable and fully code-compliant for occupants**, and research to determine the historic appearance of each period of construction. Swanke identified non-contributing elements to be removed, historic features to be restored and appropriate designs for replication of missing period elements. The high-level evaluation was able to identify the 1815-period paint colors and wallpaper. **Based upon this research and field observation the building will be restored to its original 1815 and 1903 appearance respectively.**

Swanke's programming task was part of overall reprogramming for the entire State Capital campus undertaken to utilize existing space efficiently and plan for long term development. Four re-

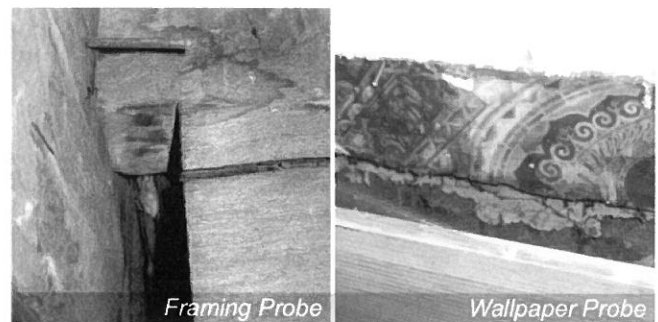
use scenarios for Holly Grove were examined including offices, events space, guest house and house museum. A conference facility with a mix of uses was found to be the best fit for the house while addressing current government functional deficiencies. The house has been programmed for conference and staff training rooms and limited guest quarters and catering support elsewhere.

ADA-Compliant Access

Due to the mansion's extreme cultural value to the State of West Virginia, alternative programmatic solutions along with physical access to limited parts of the building will provide ADA-compliant access. The first floor will be physically accessible while graphic exhibits will provide people with limited mobility to experience the spaces in the basement and on the second and third floors. **Ground floor uses will include the museum, events space and a guest room with fully compliant paths of travel and toilet rooms.**

These improvements will be provided without degrading any remaining historic fabric. The existing exterior ramp, although at the best location to provide disabled access, is non-compliant and will be replaced by one of two options. One option is to provide a simple 1:12 ramp with metal railing and stone sidewalls matching the porch wall to which it leads. The second and preferred option is to re-grade the site from the ADA parking spaces to the side porch so that a level (less than 1:20) surface can provide visually unobtrusive access to this important cultural landmark.

Swanke's design creates a state-of-the-art conference facility within the confines of this authentically restored cultural resource. The classroom type set-up can be used in tandem with the historic setting to educate the public about the history and early settlement of West Virginia.



First Presbyterian Church

Charleston, WV

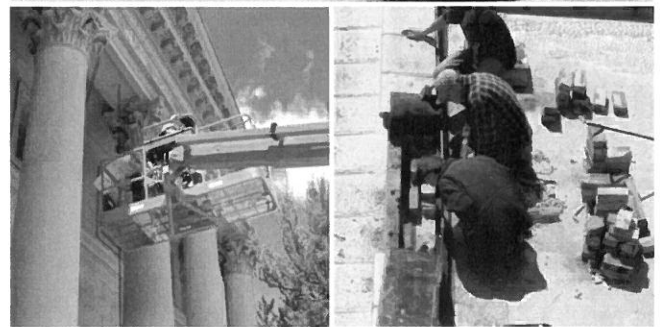
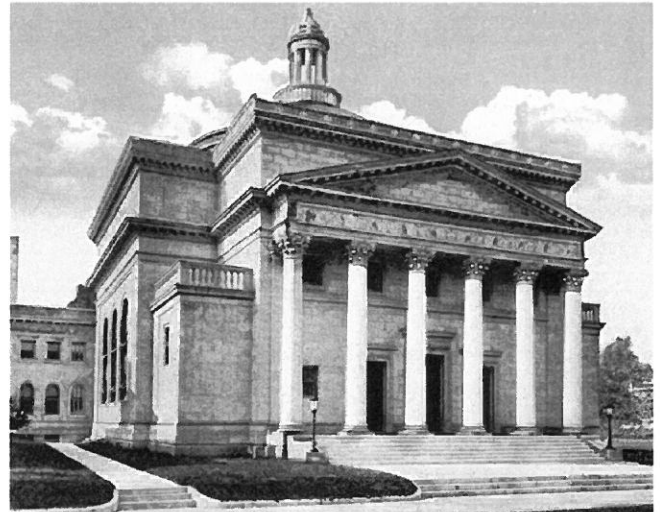


The First Presbyterian Church is a classical style limestone, terra cotta and clay tile structure designed by Weber, Werner & Adkins with construction completed in 1915. This Church is modeled after McKim Meade & White's Madison Square Presbyterian Church, purported to be Stanford White's finest achievement which stood a mere 20 years before it was demolished.

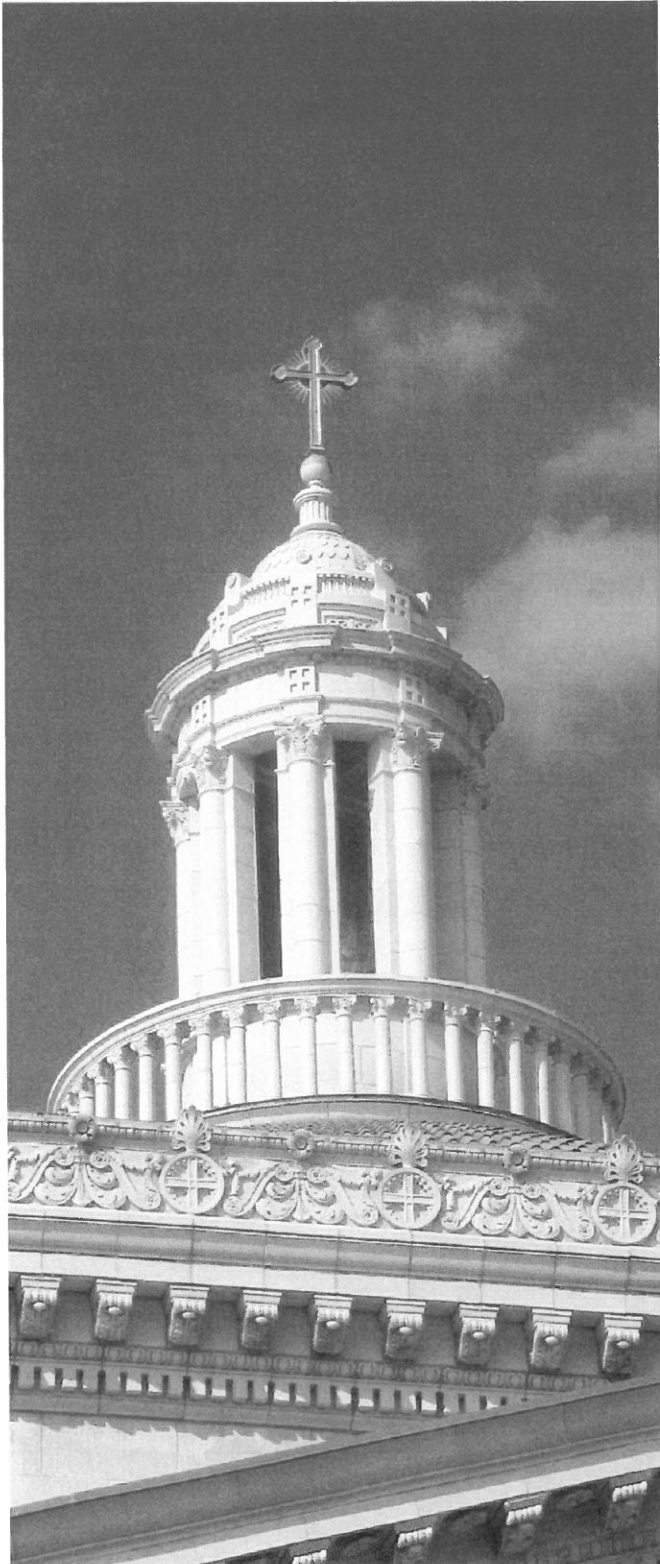
The scope of work for Swanke Hayden Connell Architects was to complete **exterior repairs and restoration** principally to the cupola, dome roof, parapets and stained glass windows in addition to **miscellaneous masonry repairs to the original building facades**. The **cupola was seriously deteriorated and there were leaks in the dome and porch roofs due to failures of the masonry elements and roofing systems**. These breeches in the building envelope also led to corrosion of the structural steel. SHCA undertook a **comprehensive investigation documenting all extant exterior deficiencies**. As part of the evaluation an invasive probe investigation was undertaken to determine the source of water infiltration and the concealed condition of materials at the roof parapets.

The resultant **Exterior Evaluation Study identified recommendations** for repair and restoration with an **associated cost estimate**. The scope of work and costs were broken down by facade location **to allow phasing of construction in the event adequate funds were not available for the full project**. This report **enabled the church to prioritize the work** in order to execute a long range plan and raise the necessary funds to return the building to its original splendor.

Exterior Restoration: The scope of work for the restoration included **roof membrane replacement, replacement of the damaged dome roof tiles** with new matching tiles from the original manufacturer, **replication of damaged or missing architectural terra cotta, masonry repairs, parapet reconstruction, associated structural repairs, redesign of access ladders and incorporation of new roof hatches to facilitate future inspection and maintenance**. In addition, all stained glass windows were removed for off-site restoration, which included cleaning, releading and installing protective covers. A final part of the project included replacement of the missing cupola finial using a design based upon McKim, Meade and White's Judson Memorial Church in New York City.



First Presbyterian Church



City Hall

Alexandria, VA



City Hall - Interior Modernization

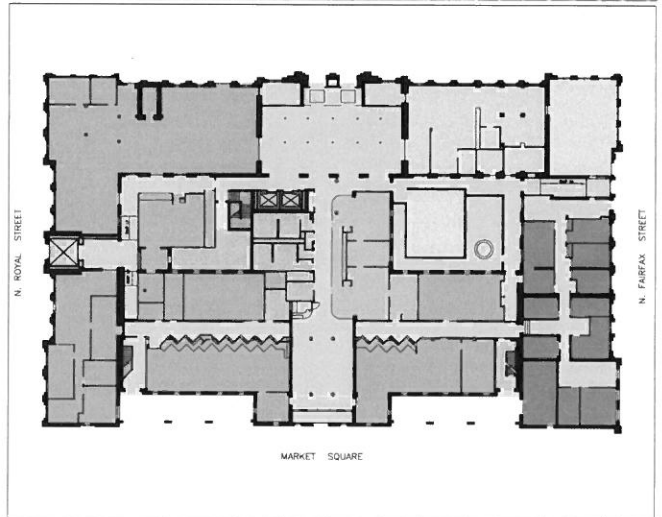
SHCA reprogrammed and planned the 100,000 sq. ft. landmarked facility, implementing the work in four phases that restacked approximately 50% of City Hall. Each phase included the re-planning of existing spaces using a panel-based furniture system. SHCA staff under the leadership of a Senior Architect developed the phased construction documents and provided the cost estimates for each phase. Our senior architect also provided construction management functions, reviewing subcontractor estimates, scheduling their work, and coordinating their work with vendor deliveries and movers. Staff from the City of Alexandria's Department of General Services who were assigned to City Hall provided support throughout the project.

As a result of SHCA's effort the project was delivered 12% under budget.



City Hall - Exterior Modernization

Restoration of the exterior of this 1750s landmarked and distinctive building in historic Old Town Alexandria was completed concurrent with the interior modernization. The work entailed **re-pointing of the brick walls, restoration of the wood windows, doors, and cornice trim through re-caulking, and repainting.** In addition to the building, SHCA directed the repair of the 50,000 sq. ft. Market Square Plaza and associated below-grade public parking garage. The work included renovation work to the insides of the garage, the **resurfacing of the plaza with new waterproofing and brick paving,** re-lining the fountains and replacing the pumps and fountain equipment.



Project References

West Virginia Public Service Commission,
Charleston, WV
Don Sangid, Facilities Manager
West Virginia Public Service Commission
304-340-3744

UJA Federation Headquarters Modernization,
New York, NY
Anthony Caserma, RA, Director of Facilities
UJA Federation
212-836-1856

Old Post Office Building, Washington, DC
Thomas McDowell, PA, AIC, Architectural Conservator,
Regional Fine Arts Officer
U.S. General Services Administration, National Capital
Region
202-208-6812

National Society for the Daughters of the
American Revolution, Washington, DC
Stephen Nordholt, Administrator
NSDAR
202-879-3249

West Virginia State Capitol, Charleston, WV
Robert Krause, Acting Architecture & Engineering Manager
West Virginia General Services Division
304-558-9018

Holly Grove Mansion, Charleston, WV
Robert Krause, State of West Virginia Department of
Administration, General Services Division
304-558-9018

First Presbyterian Church, Charleston, WV
Reference contact is no longer with client.

City of Alexandria City Hall, Alexandria, VA
Reference contact is no longer with client.

APPROACH & MANAGEMENT PLAN

Project Approach and Management Plan

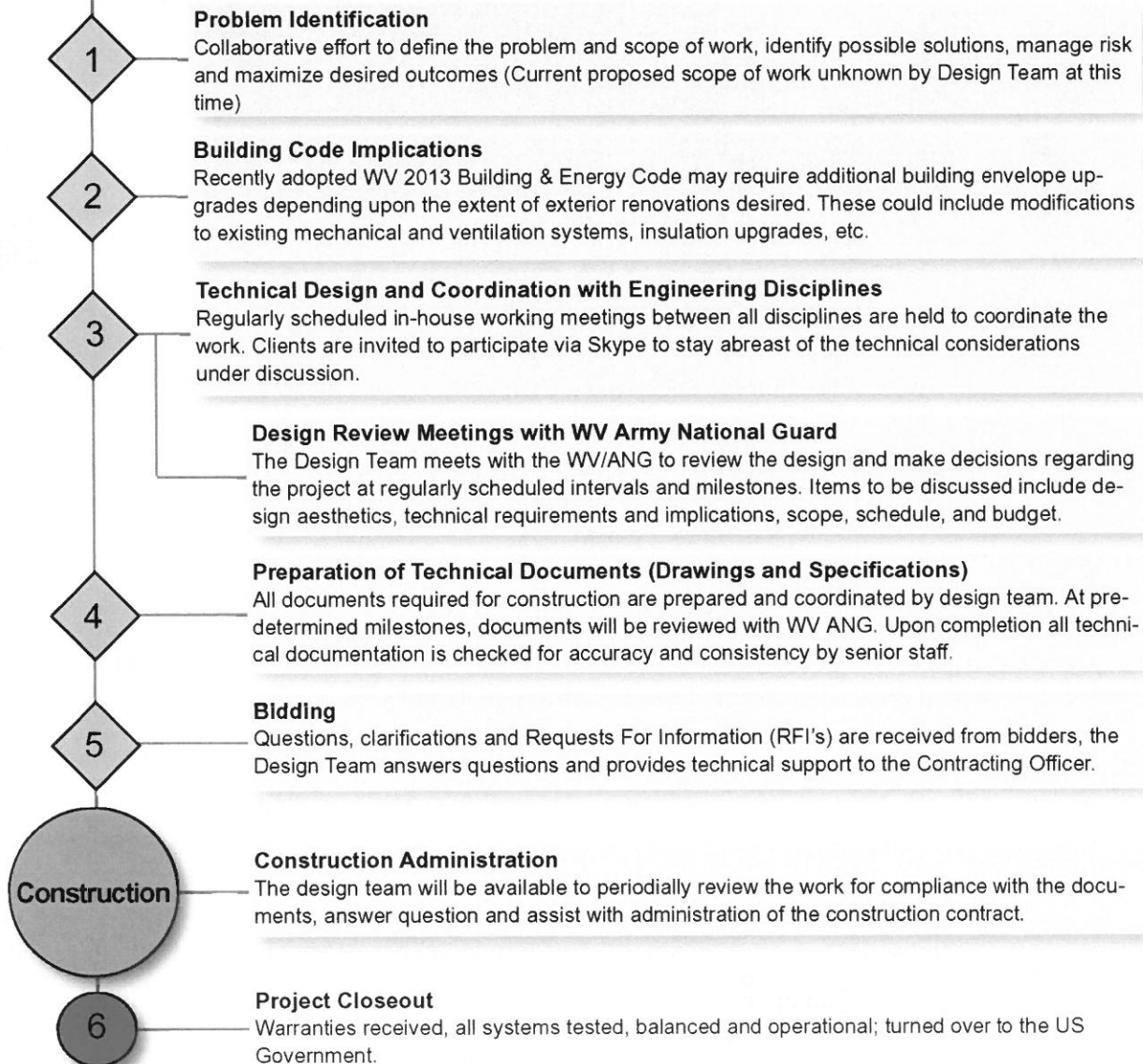
Integrated Project Delivery Process

Quality assurance starts on day one, beginning with the overall process and methodology we use to conduct our projects. **Integrated Project Delivery (IPD)** is based on the concept that ongoing, continuous, and effective communication from all stakeholders, not just the professional design team, reduces conflict, minimizes risk, and creates greater opportunities for positive project outcomes.

IPD provides a structure enabling all parties to **communicate** and discuss **relevant project concerns** in a consensual based decision making process; thus all involved are able make more informed and effective design choices. Designers are able to more readily grasp those aspects of a project which are most meaningful to the client, and stakeholders become more aware of how their decisions directly affect and influence the project.

DESIGN TEAM PARTNERS

- CAS Structural Engineering
- Metropolitan Consulting Engineers (M/E/P/FP)
- Forella Group (Cost Estimating)



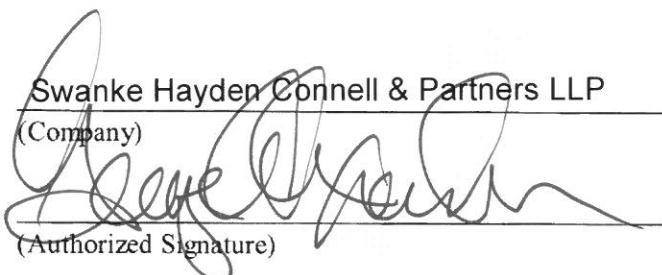
REQUIRED FORMS

CERTIFICATION AND SIGNATURE PAGE

By signing below, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid or proposal for review and consideration; that I am authorized by the bidder to execute this bid or any documents related thereto on bidder's behalf; that I am authorized to bind the bidder in a contractual relationship; and that to the best of my knowledge, the bidder has properly registered with any State agency that may require registration.

Swanke Hayden Connell & Partners LLP

(Company)


(Authorized Signature)

George Alexander, AIA, RIBA, Principal

(Representative Name, Title)

202-244-2500

(Phone Number)

202-244-2501

(Fax Number)

5/7/2014
(Date)

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

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

DEFINITIONS:

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

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

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

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Swanke Hayden Connell & Partners LLP

Authorized Signature: [Signature] Date: 5/7/2014

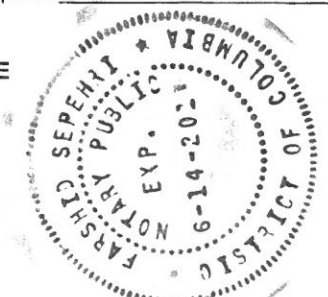
State of District of Columbia

County of _____, to-wit:

Taken, subscribed, and sworn to before me this 7 day of May, 2014.

My Commission expires _____, 20__.

AFFIX SEAL HERE



NOTARY PUBLIC

[Signature]

Purchasing Affidavit (Revised 07/01/2012)

FARSHID SEPEHRI
NOTARY PUBLIC DISTRICT OF COLUMBIA
My Commission Expires June 14, 2017