

EXHIBIT B

(CHRISTOPHER WILLIAMS ARCHITECTS PROPOSAL TO STAMFORD RFP 681)



Proposal prepared for

THE CITY OF STAMFORD

Architectural/Engineering Services
Relocation of the Hoyt-Barnum House
RFP No. 681

JULY 30, 2015



CWA

CHRISTOPHER WILLIAMS ARCHITECTS LLC

TABLE OF CONTENTS

- 1. COVER LETTER**
- 2. TECHNICAL RESPONSE**
 - FIRM OVERVIEWS
 - LISTING OF SIMILAR PROJECTS
 - TEAM ORGANIZATIONAL CHART
 - PAST PERFORMANCE RECORD
- 3. REFERENCES**
- 4. PROPOSAL SUMMARY**
 - PROJECT MANAGEMENT PLAN
 - TEAM RESUMES
 - RELEVANT EXPERIENCE
- 5. FEE PROPOSAL**



CHRISTOPHER WILLIAMS ARCHITECTS LLC

July 30, 2015

Mr. Jeffrey Pardo, Construction Manager
City of Stamford
888 Washington Boulevard
Stamford, CT 06904

RE: RFP No. 681, Relocation of The Hoyt-Barnum House

Dear Mr. Pardo and Members of the Selection Committee,

The relocation of the Hoyt-Barnum house is a challenging project we are very interested in, excited about, and, along with our consultant team, well qualified for. CWA has been the architect for two moved buildings in the past twelve years-a 13,000 SF brick building (formerly a mansion) for Yale University and a 2,000 SF house for the City of New Haven. These projects, along with particularly relevant others, are described in more detail elsewhere in this proposal. Most of our practice consists of various combinations and levels of renovation, rehabilitation and adaptive re-use of existing buildings, which sometimes include additions. Engaged in over 300 projects for Yale University over the past twenty years, we are currently renovating their Marsh Hall, a building listed on the National Historic Register of Historic Places. We have won several preservation awards from the CT AIA and Connecticut Trust for Historic Preservation. Other clients include the City of New Haven, the State of Connecticut and various other private clients.

Christopher Williams Architects LLC is a limited liability company established in New Haven in 1986. A full service architectural firm with twelve full time employees, we have been located at 85 Willow Street, New Haven CT 06511 since our inception. Licensed in Connecticut since 1986 (NY since 1984), our technical staff includes a total of 6 registered architects, 3 intern architects and an interior designer. Four of the registered architects have each been registered for since the mid 1980's. Our core team of architects have a working knowledge of the applicable Connecticut State Statutes, Fire Safety Code and Building Code. We have experience with historic building relocations and restoration including structures listed on the National Register of Historic Places/Buildings. Assigned Project Manager Joe Chadwick has overseen several of the firm's most intensive restoration assignments. Our experience with similar projects (as well as those of our consultant team) is detailed in the following sections of this proposal.

Key consultants for our team includes Public Archeology Laboratory who will provide historic preservation consulting. Their past experience includes the preservation and cultural management of similar historic buildings, preserving their National Registry status integrity. For move evaluation, included are the consulting services of International Chimney Company, a firm we have worked with on a previous historic building move and whose expertise involves the logistics and relocating of historic structures.

Rounding out our team will be Edward Stanley Structural Engineers, Freeman Companies for site / civil / engineering and landscape design, and Charles Breen PE who will handle M/E/P engineering. Each of these firms has been selected for their expertise with historic structures, highly regarded reputations and uniquely relevant experience.

The CWA team set forth herein will offer the optimum combination of design sensibility, technical capacity and historic preservation experience commensurate with the scope and complexity of this relocation project. Our team is ready and available to begin work on this project should we be selected. We look forward to the opportunity of being considered, awarded and successfully completing this exciting project.

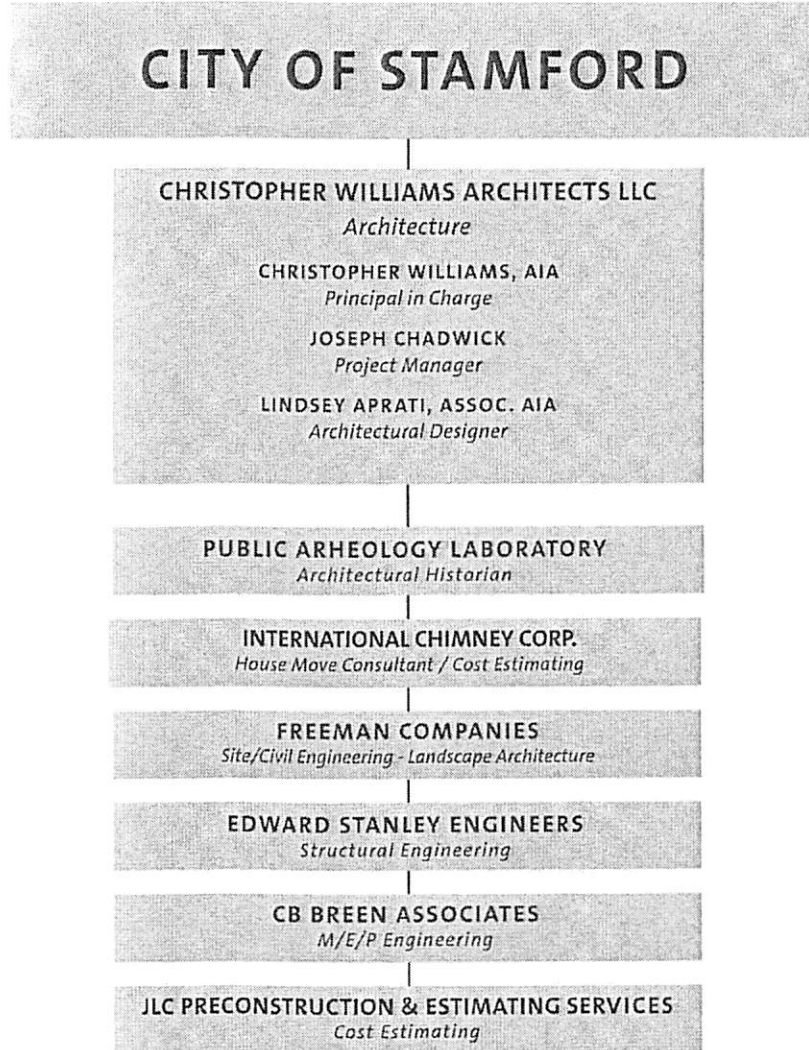
Sincerely,

Christopher Williams, AIA



CITY OF STAMFORD — HOYT-BARNUM HOUSE

2. Team Organizational Chart



MANAGEMENT PLAN

Work for the City of Stamford Relocation of the Hoyt-Barnum project will be performed under the direct supervision of the firm's principal, Christopher Williams, AIA. Day-to-day project responsibilities are delegated to one of the other listed registered architects of the firm and led by the project manager. The CWA team is versed in the latest Autodesk software (AutoCAD & Revit) plus other relevant graphic and non-graphic computer programs. Additionally, architectural interns perform drafting, digital 3D modeling, model building and other critical support tasks. Consultants have been selected based on prior history and knowledge of the challenges posed in the Hoyt-Barnum building relocation - all consultants will report to and be directed by Christopher Williams Architects LLC.

TEAM RESUMES

Resumes highlighting team member experience are located in Section 4 *Proposal Summary*.



CITY OF STAMFORD — HOYT-BARNUM HOUSE

2. Firm Overviews - Christopher Williams Architects, LLC

Representative project types

- Historic Preservation
- Infrastructure Upgrades
- Multi-Unit Residences / Dormitories
- Classrooms / Learning Environments
- Offices
- Restaurants / Dining Services
- Retail Buildings
- Research Laboratories
- Theaters / Music Practice Spaces
- Athletic Facilities

Christopher Williams Architects, LLC (CWA) is an award-winning design firm that offers full architectural services for new construction, renovation, restoration and interior architecture. CWA often also provides site design, landscape architecture, furniture design, cost estimating and building code analysis. As a firm that takes it's cues from the master-builder tradition, we view ourselves as the project director and "responsible entity" that protects the whole while keeping all the parts moving in the right direction — *Modern Master-Builders* who integrate a hands-on approach with 21st century means and methods in order to make the best buildings possible.

Founded in 1986 and based in New Haven, Connecticut, CWA employs thirteen full-time employees including 6 registered architects; 4 with over 30 years of experience.

EXPERIENCE

Design Approach & Expertise

CWA practices architecture in the traditional sense of the architect as generalist and project team leader. Combining a strong aesthetic and technical foundation results in a process of informed decisions, fully engaging each project's particular specialty consultants, and importantly, the construction manager and general contractor (depending on the delivery method). CWA's experience and expertise encompasses a wide range building types and includes extensive renovation, rehabilitation, restoration and reconstruction of older buildings with historical significance. Our expertise in such settings includes extensive knowledge of historic building styles, interiors and landscapes; construction methods and materials; familiarity with preservation technologies and techniques; as well as research and investigative skills.

Relevant Historical Preservation Projects - Completed with-in the past 15 years*

- Yale University, School of Forestry Building Relocation
- City of New Haven, Livable City Initiative, Historic House Relocation
- Yale University, Dana House Renovations (Listed on National Historic Registry)
- Yale University, Cowles Foundation Renovation & Addition
- Yale University, Sterling Memorial Library International Room

* Section 4 Proposal Summary contains detailed information on these and additional relevant projects





CITY OF STAMFORD — HOYT-BARNUM HOUSE

2. Firm Overviews - Public Archaeology Laboratory

Services to be provided

- Architectural Historian
- Liaison with CT SHPO / National Record of Historic Places
- Cost Consultant

Office Location

239 Front Street, Fl.#3
Brooklyn, New York 11201

PAL (The Public Archaeology Laboratory, Inc.) is a leading authority in cultural resource management and specializes in archaeology, architectural history, research and documentation, and preservation planning throughout New England and the Mid-Atlantic. An independent, non-profit corporation with offices and laboratories located in Pawtucket, Rhode Island, PAL has successfully completed more than 3,000 projects in the areas of cultural resource management, historic preservation planning, and regulatory consultation and compliance. Our clients include federal, state, and local agencies; non-profit institutions; and private developers. Established in 1982, PAL has steadily grown to become the largest private cultural resource management firm in New England with a staff of more than 50 people.

EXPERIENCE

Architectural History & Preservation

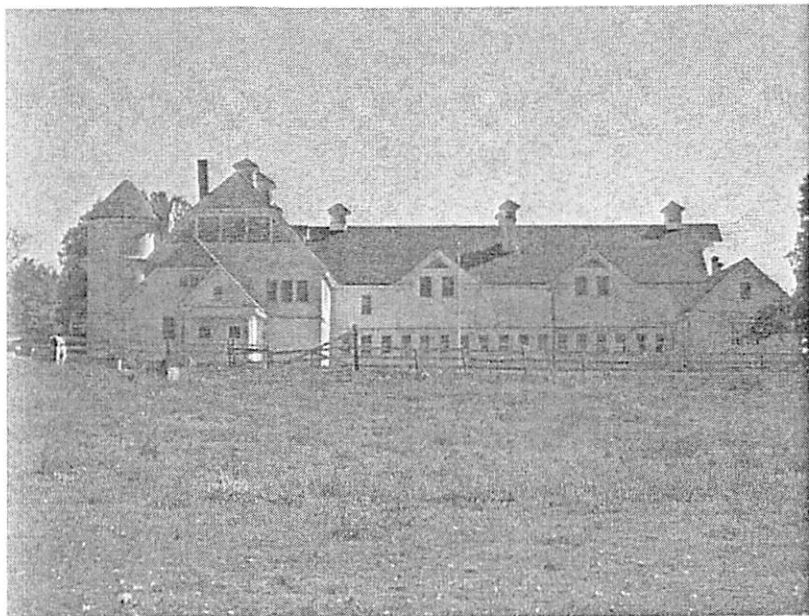
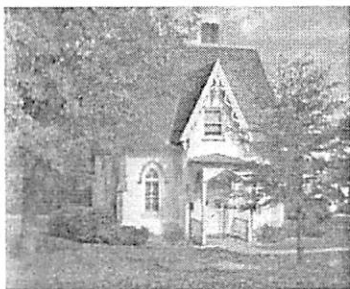
PAL offers architectural history and preservation planning services and has successfully completed projects for a variety of clients, including federal, state, and municipal government agencies, and corporations. Architectural project types include historic preservation plans, cultural resource environmental assessments, surveys, reuse studies, and historical documentation.

Staff consists of architectural and industrial historians and preservation planners with expertise in historic buildings, cultural landscapes, railroads, bridges, and industrial resources. PAL collaborates with experts in architectural design, adaptive reuse, landscape architecture, community planning, and archival photography to build teams offering a full range of architectural preservation services. PAL maintains strict compliance with the requirements of the Secretary of the Interior's Standards for Historic Preservation Projects and other applicable state and federal guidelines.

Relevant Historical Preservation Projects - Completed with-in the past 15 years*

- Hilltop Farm, National Register Nomination, Suffield, CT
- Wilbur House Museum Complex National Register Nomination, Little Compton, RI
- Shore Baptist Church Cultural Resource Services, Hingham, MA
- St. Gaudens National Historic Site, Cornish, NH

* Section 4 Proposal Summary contains detailed information on these and additional relevant projects





CITY OF STAMFORD — HOYT-BARNUM HOUSE

2. Firm Overviews - International Chimney Corporation

Services to be provided

- House Moving Consultant
- Cost Consultant

Office Location

55 South Long Street
Williamsville, NY

International Chimney Corporation is an established firm with our roots dating back over eighty (85) years with experience in the design, construction and maintenance of tall structures. International Chimney Corporation was involved with the restoration of historic structures such as stone towers, steeples, monuments and other tall historic structures before the popularization of the Secretary of Interior's Standards for the Treatment of Historic Properties. We also offer the unique service of bringing our Preservation related experience to the Relocation (moving) of historic structures.

EXPERIENCE

Commitment to Historic Preservation

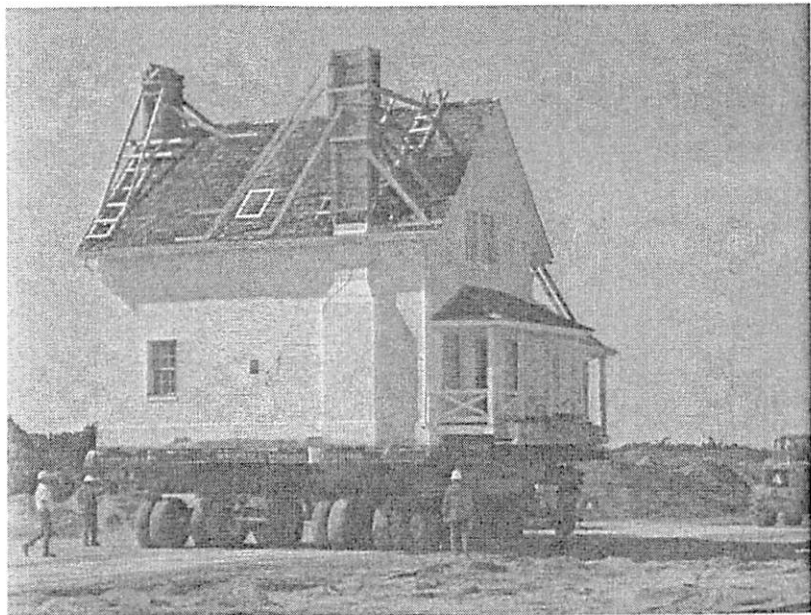
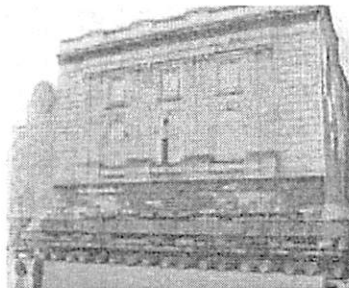
Over the past several decades, we have made a corporate commitment to be actively involved with the preservation of lighthouses located on the coastlines of the United States. In addition to our restoration work, we have relocated four (5) lighthouses including the Cape Hatteras Lighthouse on the Outer Banks of North Carolina.

Our previous restoration projects include the Restoration of: the Tybee Island Lighthouse, Tybee Island, Georgia; the Ponce De Leon Inlet Lighthouse, Ponce Inlet, Florida; the Cape Hatteras Lighthouse, Cape Hatteras National Seashore, NC; the Pulaski Monument, Savannah, GA and many others.

Relevant Historical Preservation Projects - Completed with-in the past 15 years*

- Relocation of Martha's Vineyard Estate
- Relocation of the Cape Hatteras Lighthouse
- Multi-phased relocation of 5 historic buildings, Washington, DC
- Relocation of Shubert Theater including foundation, Minneapolis, MN
- Relocation of GEM Theater/Century Club building, Detroit, MI

* Section 4 Proposal Summary contains detailed information on these and additional relevant projects



CITY OF STAMFORD — HOYT-BARNUM HOUSE

2. Firm Overviews - Freeman Companies

Services to be provided

- Site / Civil Engineering
- Landscape Architecture

Office Location

36 John Street
Hartford, CT 06106

Freeman Companies, LLC is a professional consulting engineering firm specializing in owner's representation, civil engineering, permitting, land surveying, landscape architecture, geotechnical engineering, structural engineering, transportation engineering, environmental sciences, hazardous building materials services, and construction engineering and inspection for projects in the governmental, educational, commercial, institutional and infrastructure markets. Founded in Hartford, Connecticut in March 2009, Freeman Companies offers clients professional design and technical experience through its current 34-member professional staff. Repeat work accounts for 73% of the firm's portfolio as evidence of our promise to clients and owners to "Elevate Your Expectations".

Freeman Companies is fully licensed and insured in jurisdictions throughout New England. Freeman is African-American Owned, certified as a DBE, SBE, MBE, and 8(a) professional consulting engineering enterprise.

EXPERIENCE

Approach

Freeman Companies is a strategic collaborative of professionals. We are individually strong, and collectively stronger. Our value is the sum of our professional experience, relationships and expertise. Collectively, we design solutions to the challenges posed by the built environment. We know how to take a project from the proverbial Point A to Point B. We understand that the preferred route is oftentimes a straight line, but when a straight line isn't possible, we will navigate the best alternative course to arrive at the endpoint.

Relevant Historical Preservation Projects - Completed with-in the past 15 years*

- Mark Twain House and Museum, Grant Funded Campus Improvements, Hartford, CT
- Parade Plaza Reconstruction, New London, CT
- Harvard University, Old Quincy Renovation, Cambridge, MA
- National Trust for Historic Preservation, Lyndhurst Estate, Tarrytown, NY
- City of Hartford West Middle School Renovation, Hartford, CT

* Section 4 Proposal Summary contains detailed information on these and additional relevant projects



CITY OF STAMFORD — HOYT-BARNUM HOUSE

2. Firm Overviews - Edward Stanley Engineers LLC

Services to be provided

- Structural Engineering

Office Location

6 Walter Street
Guilford, Connecticut 06437

Edward Stanley Engineers is dedicated to a collaborative process with our clients, rooted in teamwork, communication, and achievement. We are committed to achieving success for your project. AIA Connecticut bestowed 2011 design awards on three projects we collaborated on. Six projects received AIA design awards in 2010 and seven received AIA design awards in 2009.

We interact closely with your team of consultants and builders to develop solutions that enhance the architectural design. Our solutions will be carefully integrated with the building's other systems—you might hear us mention waterproofing, insulation and thermal bridges, MEP, and durability as we develop the design with you. We will propose solutions that are aligned with the principles of sustainability. And our solutions will be sensitive to the project budget.

EXPERIENCE

Sustainability / Preservation

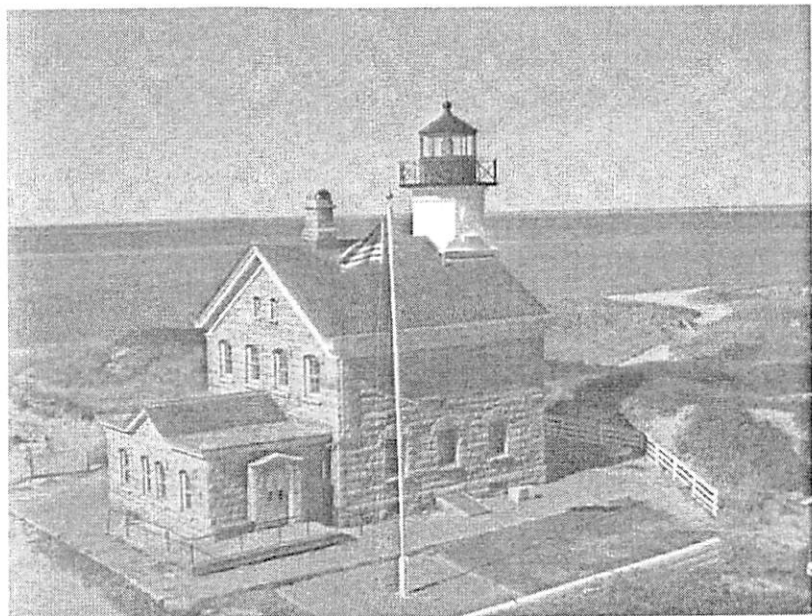
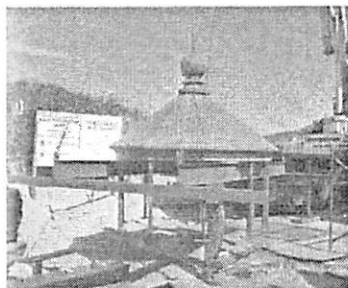
Edward Stanley Engineers is committed to sustaining and renewing the life of useful and viable buildings, whether of significant historic value or of modest heritage. Our extensive experience re-using, preserving, and rehabilitating buildings will assist building owners in preserving global and cultural resources and reducing the construction waste stream.

If a historic building requires structural intervention, we will provide design solutions that are sensitive to the historic fabric of the structure and minimally invasive. We will assist you in justifying and acknowledging the time proven strength and performance of a historic structural system when the robust structural regulations of the modern building code are encountered.

Relevant Historical Preservation Projects - Completed with-in the past 15 years*

- North Light Restoration, Block Island, RI
- Firehouse 12 (Adaptive re-use of a 1905 firehouse), New Haven, CT
- Putnam Memorial State Park Visitors Center, Redding CT
- Faulkners Island Light Restoration, Guilford, CT

* Section 4 Proposal Summary contains detailed information on these and additional relevant projects



CB BREEN
ASSOCIATES, PC

Services to be provided

- M/E/P Engineering

Office Location

46 Riverside Avenue
Westport, CT 06880

CITY OF STAMFORD — HOYT-BARNUM HOUSE

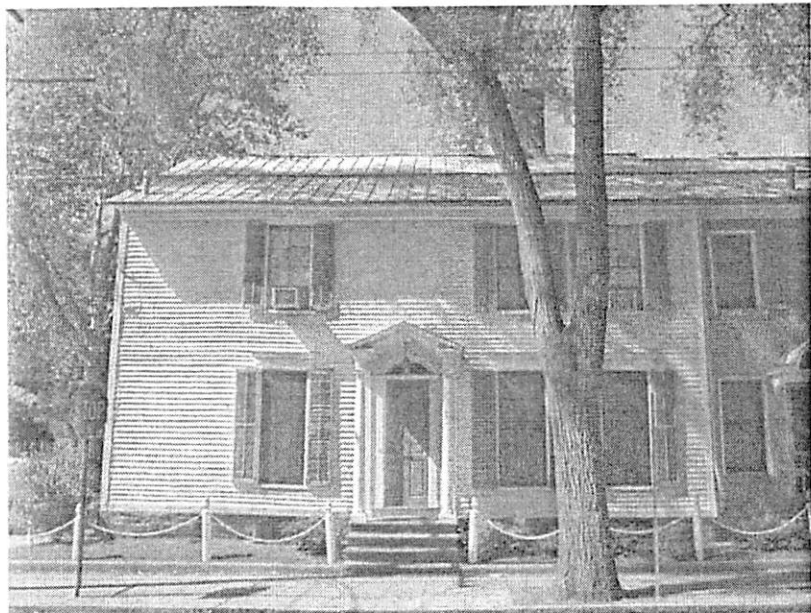
2. Firm Overviews - CB Breen Associates, PC

Established in 1998, CB Breen Associates is three person mechanical, electrical and plumbing engineering firm based in Westport, CT. The firm is led by Principal Engineer Charles Breen, PE who oversees all project work and is personally involved with all aspects throughout the course of project work. The firm's portfolio includes institutional, commercial, residential projects including upgrades to historic structures so they are functional and compliant to modern standards.

Relevant Historical Preservation Projects - Completed with-in the past 15 years*

- Nathaniel Taylor House, circa 1806, New Haven, CT
- AA Thompson House, circa 1854, New Haven, CT
- 204 Prospect Street, circa 1890, New Haven, CT

* Section 4 Proposal Summary contains detailed information on these and additional relevant projects



JLC Preconstruction & Estimating Services LLC

CITY OF STAMFORD — HOYT-BARNUM HOUSE

2. Firm Overviews - JLC Preconstruction & Estimating Services LLC

Services to be provided

- Cost Estimating

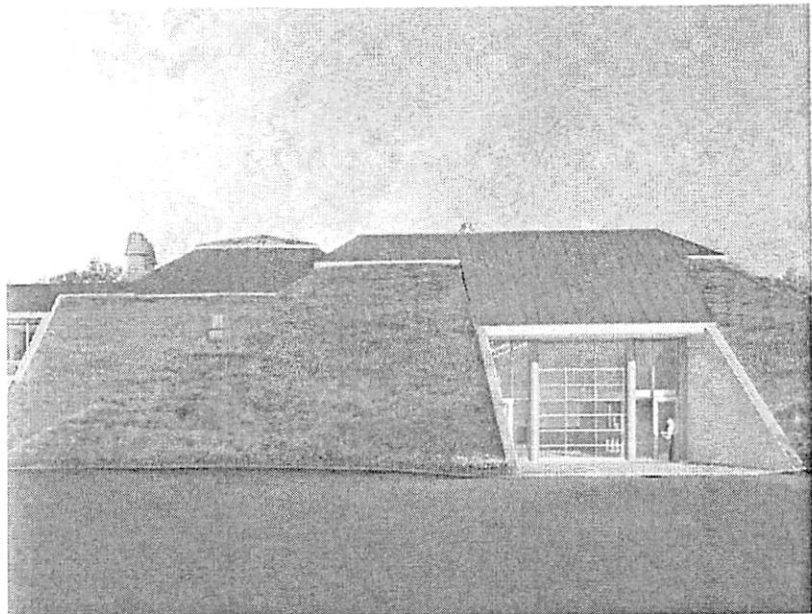
Office Location

74 East Overshore Drive
Madison, CT 06443

JLC has a proven track record in the successful management of all aspects of pre-construction and construction services. Specializing in project management, regulatory agency coordination, design monitoring, construction oversight, estimating / cost verification, constructability evaluations, scheduling, purchasing and contract negotiations, the firm also has knowledge of the local subcontractor market and is experienced with design-build, fast track, and construction management project approaches.

Relevant Projects - Completed with-in the past 15 years

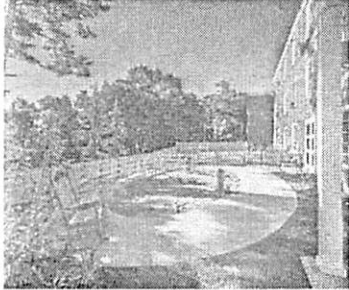
- Yale University, Wright Laboratory (with CWA LLC), New Haven, CT
- Three Rivers Community College Feasibility Study (with CWA LLC), Norwich, CT
- Yale University, Electron Accelerator Lab (with CWA LLC), Norwich, CT





CITY OF STAMFORD — HOYT-BARNUM HOUSE

2. Christopher Williams Architects — Past Performance Record



Christopher Williams Architects has established an excellent performance record that balances design sensibility, technical expertise and a rigorous project management approach. As our highlighted projects will depict (in Section 4 *Proposal Summary*) and our long-term clients will attest (in Section 3 *References*), we have earned a reputation for bringing projects in on-time and on-budget.

The following is a chronological listing of our five most recently completed projects that highlight our performance record:

Project: Yale University, Electron Accelerator Laboratory, New Haven, CT

Brief Description: This 6,620 sqft comprehensive renovation encompassed almost half of the floor area of the building and converted the laboratory and non-laboratory spaces into new physics research laboratory facilities including Class 10,000 clean rooms and associated office spaces, conference room and lounge.

Pre-Bid Construction Cost:	\$2,400,000
Public Bid Cost:	\$2,400,000
Final Construction Cost:	\$2,500,000
Date Completed:	October, 2014
Percentage of Owner Change Orders:	98%
Original Construction Schedule:	8 Months
Final Construction Schedule:	8 Months
Total Number of Construction Claims:	None

Project: Yale University, Greeley Memorial Laboratory - North Lab & Green Chemistry Lab, New Haven, CT

Brief Description: Completed for the School of Forestry and located within GML, The North Lab project was a 4,487 sq ft comprehensive lab/office renovation of 30% of the building's main level. The Green Chemistry Lab is a 2,015 sq ft comprehensive lab/office renovation of 30% of the basement level.

Pre-Bid Construction Cost:	\$5,900,000
Public Bid Cost:	\$5,300,000
Final Construction Cost:	\$5,400,000
Date Completed:	October, 2014
Percentage of Owner Change Orders:	95%
Original Construction Schedule:	10 Months
Final Construction Schedule:	10 Months
Total Number of Construction Claims:	None

Project: Yale University, Curtis Hall Daycare, New Haven, CT

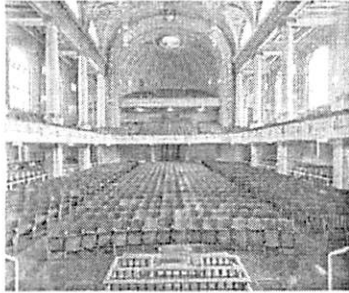
Brief Description: Comprehensive renovation of a daycare center that transformed an outmoded, extremely worn and tired 3,000 sq ft space into a modern, safe and secure setting.

Pre-Bid Construction Cost:	\$975,000
Public Bid Cost:	\$875,000
Final Construction Cost:	\$950,000
Date Completed:	January, 2014
Percentage of Owner Change Orders:	90%
Original Construction Schedule:	4 Months
Final Construction Schedule:	4 Months
Total Number of Construction Claims:	None



CITY OF STAMFORD — HOYT-BARNUM HOUSE

2. Christopher Williams Architects — Past Performance Record



Project: Yale University, Woolsey Hall/University Commons Electrical Code Upgrades, New Haven, CT

Brief Description: Upgrade and replacement of the normal and secondary electrical switchgear and related transformers, transfer switches and metering; including the replacement of electrical sub-panels throughout the building.

Pre-Bid Construction Cost:	\$5,000,000
Public Bid Cost:	\$4,295,000
Final Construction Cost:	\$4,516,000
Date Completed:	November, 2013
Percentage of Owner Change Orders:	95%
Original Construction Schedule:	18 Months
Final Construction Schedule:	18 Months
Total Number of Construction Claims:	None

Project: Yale University, Helen Hadley Hall, New Haven, CT

Brief Description: Comprehensive renovations transformed this 64,000 sq ft building from an outdated, high-maintenance residence hall into a desirable, low-maintenance, home-away-from-home for graduate students.

Pre-Bid Construction Cost:	\$6,000,000
Public Bid Cost:	\$5,250,000
Final Construction Cost:	\$5,185,000
Date Completed:	September, 2013
Percentage of Owner Change Orders:	92%
Original Construction Schedule:	8 Months
Final Construction Schedule:	8 Months
Total Number of Construction Claims:	None



CITY OF STAMFORD — HOYT-BARNUM HOUSE

3. Core Team References



CHRISTOPHER WILLIAMS ARCHITECTS:

CITY OF NEW HAVEN - LIVABLE CITIES INITIATIVE BUILDING RELOCATION

David Moser, City Planner
203-946-6920
DMoser@newhavenct.net

YALE UNIVERSITY - SCHOOL OF FORESTRY BUILDING RELOCATION

Douglas Denes, Senior Facility Planner
203-432-4970
douglas.denes@yale.edu

YALE UNIVERSITY - COWLES FOUNDATION RENOVATION & ADDITION

Kari Nordstrom, Director of Project Management
203-432-8405
kari.nordstrom@yale.edu

PUBLIC ARCHAEOLOGY LABORATORY - ARCHITECTURAL HISTORIAN:

LITTLE COMPTON HISTORICAL SOCIETY

Marjory O'Toole, Managing Director
401-635-4035

WESTPORT CONNECTICUT

Carol Leahy, Coordinator/HDC Staff Administrator
203-341-1184
cleahy@westportct.gov

NEW HAVEN OFFICE OF ECONOMIC DEVELOPMENT

Tony Bialecki, Deput Director (former)
203-281-3400, ext 332
tbialecki@hpearce.com

INTERNATIONAL CHIMNEY CORPORATION:

THE SONSET TRUST - RELOCATION OF THE SANKATY HEAD LIGHTHOUSE

Mr. Robert Felch, Sonset Trust President
508-257-4100

AAMC PROJECT - RELOCATION OF 5 HISTORIC STRUCTURES

Mr. Joe Baker, Project Manager
301-945-0140 (office) 301-372-2495 (cell)

MARTHA'S VINEYARD - RELOCATION OF THE GAY HEAD LIGHTHOUSE

Mr. Len Butler, Chairman, Relocation Committee
508-326-8541

4. Project Management Plan



MANAGEMENT PLAN

It is understood that the intent is to maintain the Hoyt-Barnum house's listing on the National Register of Historic Places, which in accordance with Part 60, Chapter 1, Title 36 of the CFR, re-application would be required. We will work closely with CT SHPO and the NPS to provide the necessary documentation, applications and requests throughout the entire process.

Our management plan will closely follow the Scope of Services set forth in the RFP, with the following details providing further descriptive explanation.

- **Discovery:** This is the first phase of any project, especially one involving an historic structure. The steps included are:
 - **Photography:** Overall and detailed high resolution photographs of every square inch of the building.
 - **Visual Inspections:** Recording observed conditions, including materials, finishes, textures, etc.
 - **Probes:** Where necessary, causing minimal disturbance, to verify and document underlying conditions.
 - **Measuring:** Detailed field measurements that will be used to create the graphic record of existing conditions to HABS standards. Included will be recording level, plumb and alignment issues.
 - **Research:** Derived from primary and secondary research sources, material will be obtained to produce a narrative history of the property.
- **Documentation:**
 - **Accurate Drawings:** The entire existing building, including the foundation and site, will be accurately drawn to HABS Standards-Documentation Level 1.
 - **Field Records:** Measurements and field notes will be recorded and noted in field notebooks.
 - **Photographs:** High resolution digital will be organized and formatted for use in accordance with HABS Documentation Level 1.
 - **Written Data and History:** Written history and description of the property, inclusive of the site and building, will be documented to HABS Documentation Level 1 standards.
- **Analysis:** Building Relocation: In the discussions regarding building relocations, the language of the Standards imply a preference for moving intact (or mostly intact) is preferable to disassembly and re-assembly. Therefore both options should be totally evaluated.

Moving an intact structure five miles is possible, even with the challenge of crossing the Merritt Parkway. This methodology should not be ruled out and included are the services of The International Chimney Company to evaluate this option. Crossing the Merritt might be accomplished either by a partial disassembly (to fit below the bridge) or moving it in whole at grade, with some temporary modifications to the Parkway median and shoulders along the route. International Chimney Co. would evaluate the route between the two sites and, if feasible, suggest a cost to accomplish this move. To achieve critical dimensional clearances along the move route, partial temporary disassembly might be possible and will be evaluated. Their experience and knowledge is vast, and their familiarity with various industry entities who might have specialized equipment to facilitate this move (such as low profile trailers) is encyclopedic. We worked with ICC on the Yale School of Forestry move.

Disassembly, transport and re-assembly at the new location is a methodology that should be evaluated in regards to the re-listing of the building on the National Register of Historic Places, with the cost and feasibility compared to an intact move. Relocating the foundation and (possibly) the fireplace and chimney structure would be by this method regardless of how the main structure is moved. The process of disassembly will require a careful inventory and labeling of components to ensure an exact re-assembly.

4. Project Management Plan



- **Building Codes:** Once a structure is moved, the relocated structure is treated as a new structure, and technically must be brought up to compliance as a new structure. Typically this is in direct conflict with maintaining the historical integrity of the building, so it's virtually guaranteed that building and fire safety code modifications will be applied for. While considering the proposed occupancy classification, construction type, size, location on the site, the applicable code provisions for which modifications are needed will be identified in the early stages of the design process.
- **Site Analysis:** The existing site features will be recorded and cataloged for eventual relocation / replication at the new site. Using the survey maps (of both sites) provided by the City, the existing site features will be documented and identified for relocation to the new site. The documentation steps will be similar to those required for the building, and will be in accordance with NPS standards.

The conceptual site plan will first be prepared for the new site, taking into account the criteria set forth in the RFP and any applicable NPS requirements. Assuming that the prevailing goal is that of historic replication, once a satisfactory conceptual site plan is developed, it will be analyzed for zoning regulations, including setbacks, coverage, etc.. Ideally, given the nature of this project, any requested variances would be favorably considered, so this process should begin early in the design process. The time period could take several months, so the status of the site should be established as soon as possible.

- **Schematic Design / Design Development:** This is the phase critical to the approval process of the site and other authorities with jurisdiction, including zoning, building, etc. At this juncture a cost estimate is important and we include Joanne Cotoia, whose specialty is conceptual cost estimating. An expert in all phases of estimating, her predictions are usually "spot on" accurate. The entire design team will have input filling in the detail blanks of information more clearly defined in later phases. This is the phase where the project "comes out" to the public and we will include 3D renderings of the building on its new site for everyone involved to have a clear picture.
- **Construction Documents:** Preparing construction and bid documents for the design-bid-build public forum is an art form that we have honed over years of "lessons learned". Clear, concisely defined documents with consistent contract language is a key. Predicting the "unforeseens" and defining them in a way that contractors can accurately bid through the use of alternative prices and allowances mitigates and defines the inherent risks in bidding construction. We prepare with the owner's input, explicit bid forms that the bidders are required to complete, making bid leveling a scientific process. This results in a clear side by side analysis of bid results.
- **Contract Administration** Having previously owned a construction company for 28 years, I bring an "insiders" view to the design-bid-build process. Our approach is to create a project specific set of documents that will result in balanced bids that, where appropriate, include various alternatives/ allowances/ unit prices. This enables the owner to exercise control while fully comprehending detailed costs without over-complicating the resultant bids. As traditional architects, we are comfortable being included in the bid procurement process with the goal of ensuring that the owner gets the best possible value for their investment. This philosophy extends throughout the entire contract administration phase, a phase for which we have earned a highly regarded reputation for being involved in.



CITY OF STAMFORD — HOYT-BARNUM HOUSE

4. Project Management Plan



THE TEAM - in the words of Christopher Williams.

CHRISTOPHER WILLIAMS ARCHITECTS LLC (CWA) has assembled an in-house team that, to say the least, is totally “psyched” about this project. While their respective resumes provide details on their professional experience and educational background, below, is the team roster from my own personal standpoint. A well - rounded combination of “gray hair” experience with youthful exuberance, most of the team has enthusiastically worked, with unrestrained eagerness, extra hours preparing this proposal. I’m particularly fortunate to have this diverse group about whom I can only glowingly boast.

JOE, with thirty plus years of experience focusing on material science, building restoration, forensic analysis and specification writing, will be critical for the historic aspects of the existing CDE building. With his rare knowledge of archaic technology, Joe has been instrumental in the firm’s award winning preservation projects. As a bonus, Joe’s eighteen years of experience in project management at Yale has honed his skills negotiating the academic landscape of the multiple stakeholders typical of higher education projects. His equal sensitivity to the academic faculty, student body, and facility administrators is well known and sought after by our Yale clientele.

LINDSEY, an MVP on any team, is an intern who should have no problem passing her licensing exam. Possessing an insightful, collaborative design sense, Lindsey’s carefully considered various design options, calmly presented to the team with the utmost rationale, methodically moves the process forward regardless of the omnipresent multiple outside forces that can quickly derail a project’s trajectory. Her 3D modeling, rendering and presentation skills make her design ideas as clear as day, making any project with Lindsey inspirationally pleasurable.

AS THE FIRM’S PRINCIPAL, and typically described as a “hands-on” architect, I will be actively involved in every aspect of the project; supporting and cheerleading the team by providing design direction, reviewing multitudes of options, collectively anguishing over construction details, riding herd over the team of consultants and along with the in-house and consultant team, presenting the project, to the client. While I often find myself immersed in the nitty gritty of our projects, I am a believer in not seeing the forest through the trees. After providing over-arching direction and guidance, I will often step aside while everyone involved completes the set of bid documents, stepping back in while playing the role of a bidding contractor whose goal is to find change order generating holes. I often review the documents produced by our consultants, with an eye out for seamless coordination with the architectural and structural elements of the project. However, the most fun I am guaranteed to have is being a part of the construction process, watching our inspiration become reality and the pride it brings to the many people involved.

THE CONSULTANT TEAM has been assembled first and foremost with the maximum benefit to the City of Stamford Hoyt-Barnum house relocation project. Otherwise, their inclusion is based on a number of combined or separate factors, including their past history working with CWA, their beneficial experience on similar projects and their experience and familiarity with the local area.



CITY OF STAMFORD - HOYT BARNUM HOUSE

4. Team Resumes



CHRISTOPHER WILLIAMS, AIA

Principal in Charge

Chris is CWA's founding Principal and has been in private practice for twenty nine years. A hands-on leader, he is involved in all aspects of the firm's projects from conception through completion. As project director, he makes every effort to put the owner's best interest at the forefront while maintaining the building's integrity and keeping end-users interests at heart. Since the inception of CWA, he has overseen more than 500 projects that have included new construction, renovations and restorations for institutional, industrial, office, retail, restaurants and housing projects.

Prior to CWA, Chris worked as a designer and project architect with Cesar Pelli and Associates (Pelli Clarke Pelli Architects) where he was an integral team member on a number of the firm's high profile projects including The World Financial Center, The Plaza of the World Financial Center (NYC) and the Pin Oak Office Complex (Houston, TX).

RELEVANT PROJECT EXPERIENCE

Yale University, School of Forestry Building Relocation

This 13,000-square foot former mansion-turned academic building in the national historic district was relocated to clear the way for a new chemistry building. In addition to moving the building 90 degrees and 300 feet away to a seemingly natural location, CWA updated the building to comply with current building codes, including the addition of a stair tower.

City of New Haven, Livable Cities Initiative - Historic Home Relocation

This historic 1,650 square foot two-story home was moved from Kimberly Avenue to Greenwich Avenue in order to make way for a new Arts Magnet School. Built around 1850, it is a rare and well preserved example of cottage Gothic architecture. It was a complete rehabilitation that preserved its historical integrity.

Yale University, Cowles Foundation

The Cowles Foundation is devoted to the study of economics. It resides in what was originally a 13,000 sq ft residence built in 1884. Clad in stucco and slate, the originally brick building was extensively remodeled in 1908, with the Victorian decoration removed and the exterior covered in stucco. It was sold to Yale in 1954 and various interior renovations were undertaken in the 1970s. In 2006 CWA added a 3,000 sq ft addition that includes office space, a library and lounge. Additional upgrades were made for ADA compliance, HVAC systems and a second remote stairway through the building that makes egress more appropriate and up to current codes.

Yale University, Sterling Memorial Library International Room

Located in the Sterling Memorial Library, CWA was engaged to transform the space into The International Room – the goal being to not only provide a modern portal to all international aspects of the University but to also restore the space to its former elegance and splendor.

Yale University, Wright Laboratory

Comprehensive renovation of this 1960s era 52,000 sq ft two story physics laboratory. The design brings natural light into the underground building and emphasizes collaboration through transparency. New spaces will accommodate offices and physics labs, relocated machine shops and includes various code and infrastructure upgrades.

Yale University, Bicentennial Complex

Built in 1901, this 84,000 sq ft combined space includes Woolsey Hall, Memorial Hall and the University Commons (Dining Hall). Mostly infrastructural related work, sensitive architectural integration has been an important component. Electrical, life safety, utility and building code upgrades have been the focus, however our current involvement includes planning an \$85 million comprehensive renovation of Commons and the Rotunda portions into a campus wide student center.

Yale University, Greeley Memorial Laboratory

Comprehensive renovations revitalized this 24,000 sq ft Paul Rudolph laboratory building for Yale's School of Forestry. Work has consisted of site drainage improvements, lobby restoration and basement offices and most recently updates to two large laboratories. It also included a replacement of the buildings HVAC systems, window replacement and new electrical services.

Education

Cornell University
Bachelor of Architecture

Registrations

Registered Architect in
Massachusetts, New York,
Connecticut, Rhode Island

Memberships / Affiliations

American Institute of Architects, AIA/
CT
NCARB
United States Green Building Council
Society of College and University
Planners (SCUP)
Professional Women In Construction
(PWC)
Chairman, Historic District
Committee, Town of Orange
Amity School Building Commission
Society of Architectural Historians



CITY OF STAMFORD - HOYT BARNUM HOUSE

4. Team Resumes



JOE CHADWICK
Project Manager

With a background and expertise in construction failure analysis, Joe has overseen some of CWA's most technical projects and has developed a reputation for his ability to accommodate exacting requirements in the most challenging of conditions. Prior to joining CWA in 2009, Joe worked for eighteen years in the facilities department at Yale University where he managed a wide range of projects and negotiated more than \$1.7 billion of contracts in their Capital Program.

RELEVANT PROJECT EXPERIENCE

Yale University, Wright Laboratory

Comprehensive renovation of this 1960s era 52,000 sq ft two story physics laboratory. The design brings natural light into the underground building and emphasizes collaboration through transparency. New spaces will accommodate offices and physics labs, relocated machine shops and includes various code and infrastructure upgrades.

Yale University, Bicentennial Complex

Built in 1901, this 84,000 sq ft combined space includes Woolsey Hall, Memorial Hall and the University Commons (Dining Hall). Mostly infrastructural related work, sensitive architectural integration has been an important component. Electrical, life safety, utility and building code upgrades have been the focus, however our current involvement includes planning an \$85 million comprehensive renovation of Commons and the Rotunda portions into a campus wide student center.

Yale University, Sterling Memorial Library International Room

Located in the Sterling Memorial Library, CWA was brought on to transform the 1,400 sq ft space into its next incarnation, The International Room – the goal being to not only provide a modern portal to all international aspects of the University but to also restore the space to it's former elegance and splendor.

Yale University, Saybrook Gates Restoration

After decades of daily use and multiple repairs of varying quality, the gates and their hardware were in poor condition. With the goal of restoring the gates' aesthetic distinction and modernizing its function for lasting success, CWA worked closely with Hammersmith Studios to uncover, diagnose, treat and finish the gates.

Yale University, Quantum Optics Laboratory

The Quantum Optics Laboratory is a 2,150 sq ft multi-level laboratory with ancillary spaces built within an existing and very challenging space, CWA created an environment that provides extraordinary acoustical separation, vibration isolation and thermal stability for precision research.

Yale University, Mansfield Apartments

Repairs to the existing roof system, masonry walls and window system to curb continuous water infiltration at various apartments. Upgrades to make the mechanical rooms within the dwelling units code compliant and maintainable.

Yale University, Saybrook College Music Room

Space dedicated to practice and record music has evolved from amenity to necessity in residential college life. This donor driven project absorbs an existing retrofit-practice room into a suite that includes a new vestibule, a high performance practice room and a recording control room that is sufficiently decoupled to serve as an additional small practice room.

Education

Yale University
Master in Architecture
Temple University
Bachelor of Science in Architecture

Registrations

Registered Architect in Connecticut

Memberships / Affiliations

American Society for Testing Materials (ASTM)
International Code Council (ICC)
National Fire Protection Association (NFPA)
Construction Specifications Institute (CSI) former NE Region Technical Chairman
Society for Industrial Archaeology (SIA)
Branford Housing Authority – Treasurer
Branford Planning and Zoning Commission – Member
Incentive Housing Technical Advisory Committee
Branford Historical Society , Past President
Society of Architectural Historians



CITY OF STAMFORD - HOYT BARNUM HOUSE

4. Team Resumes



LINDSEY APRATI, ASSOCIATE AIA

Architectural Designer

Lindsey joined CWA in 2013 with a post graduate year of experience. She has become one of CWA's most valued 3D modelers, renderers as well as an extremely proficient assistant project manager. A well-rounded intern architect that can deftly handle any project to which she is assigned. On the CWA projects listed, Lindsey has worked on everything from conceptual renderings, construction documents and contract administration.

RELEVANT PROJECT EXPERIENCE

Yale University, Wright Laboratory

Comprehensive renovation of this 1960s era 52,000 sq ft two story physics laboratory. The design brings natural light into the underground building and emphasizes collaboration through transparency. New spaces will accommodate offices and physics labs, relocated machine shops and includes various code and infrastructure upgrades.

Yale University, School of Forestry Myers Forest Laboratory Building

The scope of work includes renovating or replicating the French House for designing new and creating a research laboratory building in the adjacent wooded area. The building will consist of four small lab spaces for 4 researchers each and a common room. The deliverables include a rendered conceptual plan, an overall site plan and a conceptual 3D rendering intended to procure funding from an interested donor. Once the details are resolved, CWA is slated to complete the project.

Yale University, Electron Accelerator Laboratory, DM-Ice Laboratory

Located within the Electron Accelerator Laboratory and encompassing almost half of the floor area of the building, this project is a comprehensive renovation for laboratory and non-laboratory spaces into new research laboratory facilities and associated office spaces, conference room and lounge.

Yale University, Greeley Memorial Laboratory - North Lab & Chemistry lab

This project consists of comprehensive renovations to over half of the building for two large laboratories, the North lab for Professor David Skelly, and the chemistry lab for The Yale Center for Green Chemistry & Green Engineering.

Yale University, Greeley Memorial Laboratory

Public space renovation that includes reconfiguration to facilitate interaction, restoration of lighting, finishes and a OEHS compliant wood shop. Additional work includes rehabilitation of the building's rather unique exterior glazing system that will include repairs and installation of insulated glass in place of the original uninsulated glazing. Accessibility will also be enhanced by provision of motorized door operators at the most commonly used entrance.

PRIOR PROFESSIONAL EXPERIENCE

Urban Studio, Inc.

Intern Architect for this Atlanta based architectural firm. Worked closely with Principal to complete bid proposals, revise construction documents for various projects, expedite building permits and assist in client meetings with developers, contractors and home owners.

Georgia Institute of Technology

Graduate Research Assistant for Photography I & II - Compiled weekly lecture presentations, exhibited student prints for COA NAAB accreditation and supervised film development, printmaking and chemistry inventory.

Education

Georgia Institute of Technology
Master of Architecture
(Cum Laude)

Georgia Institute of Technology
Bachelor of Architecture
(Magna Cum Laude)

Memberships / Affiliations

American Institute of Architects, AIA/CT
Habitat for Humanity - New Haven



CITY OF STAMFORD - HOYT BARNUM HOUSE

4. Team Resumes

Education

Brown University
Master of Arts in Anthropology, 1985

Roger Williams College
Post Baccalaureate, Architecture, 1979

Brown University
Bachelor of Arts in Art History, 1977

Certification

OSHA 29 CFR 1910.120(e) 40-Hour
Hazardous Waste/Emergency Re-
sponse

Professional Development

Advanced Section 106

Section 106: Working with the Revised
Regulations

Transit Noise and Vibration Impact
Assessment

Telecommunications and Section 106

Workshop on the New 36 CFR Part
800: Highlights of Changes

Archaeology for Federal Managers

Federal Projects and Historic
Preservation Law

VIRGINIA H. ADAMS

Senior Architectural Historian, Public Archaeology Laboratory

Ms. Adams began her career in cultural resource management and historic preservation planning in 1977. She received her B.A. in Art History and her M.A. in Anthropology from Brown University. Prior to joining PAL as its first architectural historian in 1987, Ms. Adams worked for eight years in state historic preservation offices in the National Register program (MA) and as environmental review coordinator (RI).

Ms. Adams serves as project manager and senior architectural historian for projects that include historic buildings, structures, objects, districts, and cultural landscapes for a diverse mix of public and private-sector clients. Her expertise includes: architectural history; cultural landscapes; preservation planning; detailed knowledge of state and federal laws, regulations, and standards for cultural resource management and related environmental impact requirements; as well as the Secretary of the Interior's Standards for the Treatment of Historic Properties and the federal and state historic rehabilitation tax credit programs. She has specialized training in noise and vibration in rail projects, cellular communication towers, regulatory compliance, consultation, and memoranda of agreement. Ms. Adams has worked on projects throughout the Northeast, and in Kansas, Michigan, and Puerto Rico.

Ms. Adams' experience includes overseeing or conducting numerous surveys; National Register of Historic Places eligibility evaluations and nominations; and state and federal-level historic archival documentation projects for a wide variety of resources, project scales, and locations.

Ms. Adams frequently manages and prepares cultural resources sections of federal and state environmental review documents, based on technical work completed under her supervision. She assists public and private sector clients navigate the environmental review and consultation processes for cultural resources, prepares the resulting memorandum of agreement, and serves as part of the team that insures that agreement terms are satisfactorily met. Ms. Adams specializes in large-scale complex projects and has led the historic resources component for program management and construction oversight on several major transportation projects.

She has been responsible for multi-disciplinary teams conducting technical studies, public outreach, and cultural resources preservation plans as well as sections of master plans for institutions, communities, and federal and state agencies, including extensive military experience. Historic interpretive projects completed under Ms. Adams' direction with PAL staff and consultants include publications, exhibits, graphic panels, and videos.

Ms. Adams has teamed with developers and architects to complete numerous historic rehabilitation projects using federal and state investment tax credits. Her familiarity with interpreting the Secretary of the Interior's Rehabilitation Standards and depth of experience working with State Historic Preservation Offices ensures the successful outcome of these and other types of historic building rehabilitation projects.

In 2004-05 the Rhode Island Foundation awarded Ms. Adams a Fellowship for Non-Profit Leaders. She serves on the Boards of several non-profit organizations in Providence, RI and the Cape Cod Modern House Trust in MA. She has taught historic preservation classes at Roger Williams University and Rhode Island College, and is a faculty member in the Master of Design degree program in historic preservation at the Boston Architectural College in Boston, MA.



CITY OF STAMFORD - HOYT BARNUM HOUSE

4. Team Resumes

Education

Savannah College of Art and Design
Master of Arts in Historic Preservation, 2009

Roger Williams University
Bachelor of Science in Historic Preservation, 2006

Certification

OSHA 29 CFR 1910.120(e) 40-Hour
Hazardous Waste/Emergency Response

Professional Development

Rhode Island Statewide Historic
Preservation Conference, Presenter,
2008

Association for Gravestone Studies,
Western MA Chapter Annual
Conference, Speaker, 2011

Certifications in Microsoft Access,
SQL, Adobe Photoshop CS2, and
Digital Photography

QUINN R. STUART

Architectural Historian, Public Archaeology Laboratory

Ms. Stuart has been professionally engaged in historic preservation and related fields for seven years. Prior to joining PAL in 2007, Ms. Stuart worked for Heritage Restoration, Inc. in Providence, RI as a preservation carpenter, primarily restoring historic windows. Ms. Stuart has also worked for the Coastal Heritage Society, Railroad Museum in Savannah, Georgia as a masonry preservationist and Cultural Resource Consultants, LLC in Anchorage, Alaska conducting reconnaissance level survey for a Federal Highway Department project.

Ms. Stuart has a diverse educational background in architectural history, historic preservation, cultural resource management, preservation carpentry, and masonry conservation. She received her M.A. in Historic Preservation from Savannah College of Art and Design in 2009 and graduated magna cum laude from Roger Williams University with a B.S. in Historic Preservation and Foreign Languages in 2006. For her graduate coursework, Ms. Stuart completed a thesis on a study of the influences on gravestone art in Central Massachusetts and a conditions assessment and rehabilitation plan for an Army barrack in Tybee Island, GA.

As an Architectural Historian at PAL, Ms. Stuart specializes in the preparation of National Register nominations, eligibility assessments, local inventory forms, and completing architectural surveys and compliance documentation for MEPA, Section 106, and Section 4(f) projects, including project impact assessments. Ms. Stuart also specializes in archival photography and has contributed to multiple state level photographic documentations in Massachusetts, Rhode Island, and Maine. Ms. Stuart has worked throughout New England, Alaska, and Georgia for a variety of government and private clients, including the National Trust for Historic Preservation, the National Park Service, Federal Highway Department, U.S. Army Corps of Engineers, Massachusetts Bay Transportation Authority, Connecticut Department of Transportation, Alaska Department of Transportation, City of Cranston, RI, the Town of Nantucket, MA, Brown University, Spectra Energy Transmission, LLC, and Stantec.

Ms. Stuart recently completed a state-level archival documentation and inventory form for an American Airlines Hangar at Logan International Airport Boston, MA. Ms. Stuart has also contributed to the National Register nomination for the Boston National Park, national and state level historic tax credit applications, and architectural surveys including the MBTA's South Coast Rail project in Massachusetts and energy projects such as grid-scale wind turbine developments in Maine.

Ms. Stuart is a member of the National Trust for Historic Preservation, Vernacular Architecture Forum, and the Association for Gravestone Studies.



CITY OF STAMFORD - HOYT BARNUM HOUSE

4. Team Resumes

Education

University of Buffalo
Bachelor of Science, Industrial Arts,
1977

Employment History

2007 - Present
International Chimney Corp. -
Representing Safety as Part of a
Management Committee controlling
day to day and long term functions of
the corporation.

1989 - Present
Project Manager/Historical Division
Manager and Corporate Safety
Coordinator for International Chimney
Corporation

1982 - 1989
International Chimney Corp. - Project
Manager for International Chimney
Corporation, specializing in new
masonry construction and in the
administration of contracts with
Federal, State and Local Government
Agencies

1979 -
Began working at International
Chimney Corporation as a draftsman/
project coordinator.

JOSEPH J. JAKUBIK

Historical Preservation Division Manager/ Project Manager, International Chimney Corp.

Mr. Jakubik has written an article for CRM involving relocation of historic structures, and was part of the review committee for the N.P.S.'s Historical Lighthouse Preservation Handbook. He is active in several lighthouse societies and currently sits on the advisory board for the American Lighthouse Coordinating Committee. He has also given technical presentations to many groups including the N.P.S., U. S. Coast Guard, A.S.C.E., S.A.M.E., A.S.M.E., The U.S. Lighthouse Society and many others.

Mr. Jakubik currently sits on the Curriculum Advisory Committee for Alfred State College, Construction Trades at Wellsville, New York.

RELEVANT PROJECT EXPERIENCE

The Restoration of the Cape Hatteras Lighthouse, Cape Hatteras National Seashore, North Carolina (for National Park Services)

Relocation of the Cape Hatteras Light Station, Cape Hatteras National Seashore, North Carolina for N. P. S. D. S. C.

Restoration of the Cape May Lighthouse, Cape May Point, New Jersey (for Mid Atlantic Center for the Arts Watson & Henry Associates, AIA)

Relocation & Partial Restoration of the SE Block Island Lighthouse, Block Island, Rhode Island (for U.S. CG: COE & Local "BISELF")

Rehabilitation of Thacher Island Lighthouse, Thacher Island, Massachusetts (for U.S. Fish & Wildlife Service & subsequently for the Thacher Island Association)

Restoration of the Tybee Island Lighthouse, Tybee Island, Georgia (Tybee Island Historical Society)

Construction of New Ornamental Replacement 150' Radial Brick Chimney, Walter Reed Army Medical Center, Washington, D. C. (for U.S.A.C.O.E)

Relocation of Varsity Hall, University of VA, Charlottesville, VA

Relocation of Salem First Baptist Church, Salem, MA (Daniel O'Connell's Sons, Inc)

Restoration of Pt. Sur Lighthouse, Big Sur, CA (Central Coast Light Keepers)

Repairs to Two Bush Lighthouse (Off Rockland, ME) for US Fish & Wildlife

Restoration of Anclote Key Light (off Tarpon Springs, FL) for FL DEP Parks

Gallery Deck & Lantern Room Restoration, Assateague Lighthouse, Chincoteague NWR VA (U.S. Fish and Wildlife)

Lens Removal & Restoration at Pigeon Point Lighthouse, Pescadero, CA (CA State Parks Foundation)

The Restoration of the Cape Hatteras Lighthouse, Cape Hatteras National Seashore, North Carolina (for National Park Services)

Repair/Construction of Powerhouse Brick Chimney (for Statue of Liberty, Ellis Island Foundation & the National Park Service)

Ellis Island Immigration Museum, Ellis Island, New York

Relocation of the Highland Lighthouse, North Truro, Massachusetts (For U.S. Army Corps of Engineers)

Relocation of Nauset Lighthouse, Cape Cod, Massachusetts

Relocation of Building #51 (1st Air Passenger Terminal & Control Tower), Newark Liberty International Airport, New Jersey (for Prismatic Development Corporation)

Montauk Point Lighthouse, Lantern Room Lookout Balcony Rehabilitation, Exterior Gallery Deck Restoration, Exterior Stone Restoration, Montauk (Long Island), New York

CITY OF STAMFORD - HOYT BARNUM HOUSE

4. Team Resumes

Education

Worcester Polytechnic
Bachelor of Science in Civil Engineering,
1995

Registrations

Licensed Professional Engineer in
Connecticut and Massachusetts

JEFFREY N. LEBEAU, JR.

Senior Civil Engineer, Freeman Companies, LLC

Jeffrey N. LeBeau, Jr. offers 20 years of expertise in engineering and inspection is well versed in residential, commercial and industrial design and permitting. Jeffrey earned his Bachelor of Science degree in Civil Engineering from Worcester Polytechnic Institute and is a licensed Professional Engineer in Connecticut and Massachusetts, as well as a Massachusetts DEP Certified Soil Scientist. His project experience encompasses the transportation, residential, commercial, industrial, environmental and government sectors. He most recently served as a Senior Civil Engineer for GM2 Associates, and has also worked independently as a civil engineering consultant. Mr. LeBeau has extensive experience with field observations and monitoring of construction projects, from small sites to large multiple acre sites that included full-time observation. Construction observation has been a large part of Mr. LeBeau's experience over the years and he has become proficient at handling field changes from both a practical and permitting standpoint. Mr. LeBeau's construction observation experience includes: surveying, photo documentation, preparing daily observation logs, meeting minutes, weekly reports, conducting weekly meetings, shop drawing review, processing payment requisitions and change orders, interpreting the intent of construction plans and specifications as well as preparation of As-Built Plans. Mr. LeBeau also has permitted many projects in Connecticut with local Inland Wetlands Agencies and CT DEEP for wetland and water resource related projects. Mr. LeBeau has experience preparing sediment and erosion control plans in both Massachusetts and Connecticut for a variety of projects utilizing and incorporating the respective state manuals on sedimentation and erosion control. Included with the above experience Mr. LeBeau also has experience preparing Stormwater Pollution Prevention Plans (SWPPPs) in accordance with the EPA's National Pollutant Discharge Elimination System.

RELEVANT PROJECT EXPERIENCE

Mark Twain House and Museum: Grant-Funded Campus Improvements, Hartford, Connecticut

City of Bridgeport: Beardsley Park Master Plan, Bridgeport, Connecticut

City of Hartford and the Greater Hartford Transit District: TIGER IV Grant, The iQuilt Project - Hartford Intermodal Triangle, Reconstruction of Historic Union Place (Construction Inspection), Hartford, Connecticut

City of Hartford: Coltsville Corridor Streetscape - Phase II Improvements (Construction Inspection), Coltsville National Park, Hartford, Connecticut

Centerplan Development, LLC: Route 34 West Mixed-Use Development, New Haven, CT

DoNo Hartford, LLC: Downtown North Public-Private Partnership, Hartford, Connecticut

John F. Kennedy High School: Additions and Alterations, Waterbury, Connecticut

Housing Authority of New Haven/115 Edgewood NavCapMan: Redevelopment of the Dwight Gardens Housing Complex, New Haven, Connecticut

Regional School District #16, 75 New Haven Road: On-Site Wastewater Renovation System, Prospect, Connecticut

Town of Enfield: South River Street Sewer Force Main Repair Project, Enfield, Connecticut

UTC: Pratt & Whitney: Multiple Parking Lot Improvement Plans, East Hartford, Connecticut

UTC: Pratt & Whitney: Campus Parking Master Plan, Middletown, Connecticut

Connecticut DAS/DCS: On-Call Engineering: 505 Hudson Street Pavement Investigation and Recommendations for Parking Lot Rehabilitation, Hartford, Connecticut

Greenskies Renewable Energy, LLC: Design, Permitting and Construction Monitoring for Development of Municipal Solar Farms in Middletown, Meriden and North Haven, Connecticut.

4. Team Resumes

Education

Cornell University
Masters of Engineering (Civil), 1982
Bachelors of Science, Geotechnical Engineering, 1982
Bachelors of Arts, Civil Engineering, 1982

Registrations

Licensed Professional Engineer in Connecticut, Maine, Massachusetts, New Jersey, New York, Pennsylvania and Rhode Island
Certified Geologist in Maine

Professional Affiliations

Connecticut Building Congress, Director, July 2013-Present;
Construction Institute, Member;
American Council of Engineering Companies of Connecticut, Director 2000-2008, President 2008-2009, Past President 2009-2010, National Director 2010-2012;
American Society of Civil Engineers, Member.

NATHAN L. WHETTEN, PE, D.GE, CG

Vice President of Geotechnical Engineering, Freeman Companies, LLC

Nathan Whetten joined Freeman Companies to lead their expanding Geotechnical Division. Mr. Whetten has more than 30 years of experience working on a wide variety of geotechnical engineering projects. His experience includes geotechnical and bedrock geological evaluations for bridge and highway projects, earth and rock slopes, parking structures, dams, buildings, and water/wastewater treatment facilities and utility pipelines. His project responsibilities include project management, development and oversight of subsurface exploration programs, evaluation of geotechnical design criteria, report preparation, and construction observation. Prior to joining Freeman Companies, Nate held the position of Senior Associate at GEI Consultants, a worldwide science and engineering firm. Mr. Whetten holds several degrees from Cornell University including B.A. in Geology, B.S. in Civil Engineering and M.E. in Geotechnical Engineering. He has been the senior geotechnical engineer and project manager on several dozen large-scale civil and commercial construction projects since the 1980s. Nate is considered a leading geotechnical authority by peers and has published over 15 professionally acclaimed articles, white papers and case studies for multiple Science and Engineering trade publications. He has also won numerous awards for completed projects including the coveted Harl Aldrich Excellence Award.

RELEVANT PROJECT EXPERIENCE

City of Stamford: Reconstruction of Oaklawn Avenue, Stamford, Connecticut
The Glenbrook Cables Project - Geotechnical Evaluation of Underground Conduit and Trenchless Crossings, Northeast Utilities, Stamford, Darien and Norwalk, Connecticut
Old New-Gate Prison & Copper Mine: "Forensic Stability Survey", East Granby, Connecticut
Reconstruction of Union Plaza into the New Parade Plaza, New London, Connecticut
United Illuminating - Central Facility: Operations Center and Vehicular Maintenance Facility, Orange, Connecticut
U.S. Tsubaki Power Transmission - New Building Addition, Holyoke, Massachusetts
Toray Plastics: Cogeneration 2 Building, Quonset Business Park, North Kingstown, Rhode Island
City of Hartford and the Hartford School Building Committee: West Middle School, Renovation-as- New Hartford, Connecticut
City of Hartford and the Hartford School Building Committee: Weaver High School, Renovation-as- New Hartford, Connecticut
City of Hartford and the Hartford School Building Committee: Addition to the Dr. James H. Naylor Elementary School, Hartford, Connecticut
Ceneterplan Development, LLC: College Square Mixed Use Development, New Haven, Connecticut
Metropolitan District Commission: Capitol Avenue Water Main Replacement, Hartford, Connecticut
Hartford Flood Control System, Hartford, Connecticut
Lake Whitney Water Treatment Plant, Hamden, Connecticut
Lake Source Cooling at Cornell University, Ithaca, New York
Connecticut Department of Transportation:
Reconstruction of I-95 Over the West River, Replacement of Bridge No. 00163A, New Haven and West Haven, Connecticut
Rehabilitation of the North Shore Road Bridge over Butternut Brook (Bridge No. 0443; State Project No. 73-TBD), Litchfield, Connecticut
Rehabilitation of Bridge No. 05850, Old Wheeler Lane over Roaring Brook (State Project No. 04-131), Avon, Connecticut
Connecticut fastrak: New Brain to Hartford Busway BRT Stations

4. Team Resumes

Education

State University of New York (in association with Syracuse University)
College of Environmental Science and Forestry
Bachelor of Arts in Landscape Architecture, Magna Cum Laude, 1985

Registrations

Licensed Professional Landscape Architect in Connecticut

Awards

Connecticut Trust for Historic Preservation:

Award of Merit - Elizabeth Hooker House, New Haven

Preservation Award - Arch Walkway, New Britain

Smithsonian Institution

Invitation from the Smithsonian Institution for the East Rock Residence Garden to join the permanent collection of the Archives of American Gardens

HEIDI BERG HAJNA, PLA, ASLA

Manager of Landscape Architecture, Freeman Companies, LLC

Ms. Hajna is an award-winning Professional Landscape Architect and active member of the American Society of Landscape Architects. She joined Freeman Companies to lead the firm's planning and landscape architecture division. Ms. Hajna offers 30 years of professional experience in Connecticut and has been associated with the Kasper Group of Bridgeport, Richter, Cegan & Webb of Avon; The S/L/A/M Collaborative of Glastonbury; and, most recently, was a Project Manager and Senior Landscape Architect at TPA Design Group of New Haven. Heidi's experience involves large scale master planning for public improvements, small private site development plans, economic development, streetscape/public spaces, education, historic properties, parks/recreation/trails, public housing and private residential. Her Project Management responsibilities have involved leading teams of design professionals to meet project deadlines by effectively delegating and prioritizing project workload from initial analysis and design through construction; maintaining daily client contact, interfacing with various state and local agencies and also presentation of projects at public hearings and stakeholder informational meetings. Additional responsibilities have included detailed existing conditions analyses, master planning, alternative land use concepts, preliminary design concepts, final design plans technical analysis and design, specifications, and cost estimates. She is a graduate of the State University of New York's College of Environmental Science and Forestry in Syracuse.

RELEVANT PROJECT EXPERIENCE

Mill River Park: Carousel and Pavilion, Stamford, Connecticut

East Main Street Corridor Neighborhood Plan, Stamford, Connecticut

National Trust for Historic Preservation: Site Improvements to Lyndhurst Estate, Tarrytown, New York

City of Hartford: The Goodwin Estate, Hartford, Connecticut

City of Norwalk: Veteran's Park Master Plan, Norwalk, Connecticut

Downtown Bridgeport Capital Improvements Project: Parks and Streetscape Improvements, Bridgeport, Connecticut

City of Bridgeport and the Greater Bridgeport Regional Council: Ash Creek Pedestrian Bridge / Walkway, Fairfield Metro Station, Fairfield / Bridgeport, Connecticut

Town of Oxford: Agnes Tetlak Schiavi Park Master Plan, Oxford, Connecticut

Town of Beacon Falls: Matthies Park, Beacon Falls, Connecticut

Town of Branford: Tabor Park, Branford, Connecticut

Town of Berlin: Veteran's Memorial Park (Phase II), Berlin, Connecticut

Town of Higganum: Economic Development Commission: Rural Commercial Center, Haddam, Connecticut

Town of New Britain: Arch Walk Way - Urban Pedestrian Walkway System, New Britain, Connecticut

City of Bristol: Downtown Revitalization Plan, Bristol, Connecticut

City of West Haven: Sawmill Road/Wagner Place Streetscape, West Haven, Connecticut

Town of Windsor: Gateway/Public Space Enhancement of the Wilson Corridor, Windsor, Connecticut

Town of Manchester: Manchester Redevelopment Agency: Broad Street Redevelopment/Public Improvements Master Plan, Manchester, Connecticut

CITY OF STAMFORD - HOYT BARNUM HOUSE

4. Team Resumes

Education

Northeastern University
Master of Science Program, Structural Engineering, 1984

Columbia University
Bachelor of Science, Civil Engineering, 1983

Providence College
Bachelor of Science, 1983

Teaching

Yale University Graduate School of Architecture

- Building System Integration (current)
- Advisor to the Vlock Building Project

Columbia University Graduate School of Architecture

- Building Systems I
- Building Systems II

Early Career

Robert Silman Associate, P.C. New York, NY 1987-1996
Structural Consulting Engineers

Thornton-Tomasetti Engineers, New York, NY 1984-1987
Structural Consulting Engineers

EDWARD STANLEY

Principal, Edward Stanley Engineers, LLC

Edward Stanley provides more than twenty five years of knowledge and experience to our clients in the building industry with a keen commitment to renewing, preserving and reusing historic buildings.

He has participated on design teams for a broad array of projects including adaptive reuse, preservation/restoration/rehabilitation, facade investigations and repairs, new building design, unique residential design, unusual structures, and art installations.

Edward's knowledge of the strength and behavior of building materials is diverse, extending to the structural uses of cast iron, steel, aluminum, masonry, terra cotta, stone, concrete, wood, heavy timber, glass, and fabric.

ProBono service to the community is an integral component to his career, assisting organizations such as Habitat for Humanity, Veterans of Foreign Wars, Common Ground Community, Shoreline Greenway Trail, Yale Building Project, and the ACE mentor program. Edward Stanley Engineers was founded in 1996.

RELEVANT PROJECT EXPERIENCE

Timothy Knapp House, Rye, New York

Sun Tavern, Fairfield, Connecticut

Burr Homestead, Fairfield, Connecticut

North Light House, Block Island, Rhode Island

Friends Meeting House at the Blrd Homestead, Rye, New York

CITY OF STAMFORD - HOYT BARNUM HOUSE

4. Team Resumes

Education

University of Illinois at Chicago
Bachelor of Science, Mechanical Engineering, 1980

University of Utah
Masters of Engineering Administration, 1986

Professional Licenses

New York, Connecticut, Massachusetts, New Jersey, Alabama, California

Professional Affiliations

National Society of Professional Engineers

American Society of Heating, Refrigeration and Air Conditioning Engineers

National Fire Protection Association

Professional Affiliations

National Society of Professional Engineers

American Society of Heating, Refrigeration and Air Conditioning Engineers

National Fire Protection Association

CHARLES B. BREEN, PE

Owner, CB Breen Associates

CB Breen Associates was established in 1998 and provides building analysis and design for mechanical, electrical, plumbing and fire protection systems.

PAST EMPLOYMENT

Building Systems Design Engineer - EE Linden Associates, Darien, CT 1993-1998

-Digital Telecom and data systems facilities design for New York Telephone, Sprint and MCI communications.

Energy Management Engineer - New York Power Authority, New York, NY 1990-1993

-New Construction Energy Management Incentive Program

Energy Management Engineer - ANCO Engineers, New York, NY 1988-1990

-Consolidated Edison energy management program for New York City.

Project Engineering Section Supervisor - The United States Veterans Administration, Salt Lake City, UT and Bronx, NY 1984-1988

-Medical Facilities Project Design and Management

Building Systems Design Engineer - The Austin Company, Chicago IL 1980-1984

-Industrial Building Mechanical Services

RELEVANT PROJECT EXPERIENCE

66 Wall Street,, New Haven, CT

This two-story frame building known as the Nathaniel Taylor House was constructed in 1806. CB Breen Associates was responsible for the gut remodeling of the building, which included complete new electrical, plumbing and fire alarm systems, new gas service and new HVAC and boilers.

442 Temple Street, New Haven, CT

The A.A. Thompson House, a two-story Italianate Cottage built in 1854, underwent an electrical power upgrade, the installation of central HVAC, new boilers, and new gas service.

204 Prospect Street, New Haven, CT

This two-story private residence built in 1890 received a gut remodeling that included new gas service, new HVAC and boilers, and new plumbing, fire alarm and fire protection sprinkler systems.



Education

Central Connecticut State University
*Bachelor of Science in Industrial
Technology and Construction
Management, 1987*

Hartford State Technical College
*Associates Degree in Architectural
Technology, 1984*

*Associates Degree in Architectural
Technology, 1984*

CITY OF STAMFORD - HOYT BARNUM HOUSE

4. Team Resumes

JOANNE L. CATOIA

Consultant/Principal, JLC Preconstruction & Estimating Services, LLC

Joanne brings more than 28 years of experience in all phases of the construction process. This includes preconstruction, estimating, and construction management of commercial, institutional and industrial projects spanning every type of project delivery method. Joanne's ability to provide preconstruction support – estimating, constructibility evaluations, scheduling, and early logistics planning enhances CWA's ability to provide not only Design Services, but full Owner's Representative services as well.

RELEVANT PROJECT EXPERIENCE

Yale University, Wright Laboratory

Comprehensive renovation of this 1960s era 52,000 sq ft two story physics laboratory. The design brings natural light into the underground building and emphasizes collaboration through transparency. New spaces will accommodate offices and physics labs, relocated machine shops and includes various code and infrastructure upgrades.

Yale University, Sterling Chemistry Lab & Kline Chemistry Lab Building

The design, construction and major renovation to the SCL/KCL buildings (473,000sf). The project inserted a modern laboratory building into the historical ring of the Sterling Chemistry Lab and replaced the Kline Chemistry Lab structure with a new perimeter fabric that is in keeping with the Sterling facades that completed the historical ring and allows for a secondary access to the adjacent Chemistry Research Building Connectors.

Ethel Walker School, New Equestrian Center

Design and construction of a new equestrian facility and renovations to the existing facility. Phase I included construction of an 87 stall horse barn, tack rooms and upper storage area (approximately 55,000 SF). Phase II included construction of a 2 3,000 SF connector consisting of classrooms, staff and student areas, riding ring, exercise ring; and renovation of the existing building.

Quinnipiac University, Health Science Center

Design and complete fit-up of two existing structures totaling 160,000 sq ft. The project included the full replacement of the exterior facade and the complete renovation of interior space for new offices, conference rooms, lecture halls, 300 seat auditorium, classrooms, exam rooms, light teaching laboratories, and a human anatomy facility. Full replacement of all mechanical systems and extensive upgrades to the electrical systems were also included.

Groton Preparatory School Renovations

Several renovation projects to existing buildings on the campus of the Groton Preparatory School in Groton, Connecticut ranging from \$2 million to \$5 million.

Norwich Heritage Center

Several phases of extensive historic renovation for the Norwich Heritage Center where each phase of construction is dependent on the Historical Society's abilities to successfully raise funds.

Yale University, New Child Care Facility (Pre-Construction Services)

New 11,000 sq ft building that accommodates 95 child care slots for identified ratio of infants, toddlers and pre-schoolers. The program included a lobby/reception area, activity room, crib/nap room, cubbies, diaper area, offices, storage, laundry, food preparation, and miscellaneous support areas.

Yale University 250 Church Street Renovations (Pre-Construction Services)

Project included comprehensive exterior and interior renovations to the existing building for new programmatic use and code compliance. The exterior work included refurbishment of the brick and stone facade, replacement of all windows and entries including construction of a stone clad handicap ramp. Interior work included the construction of a new egress stair, replacement of all mechanical and electrical systems, modification to the layout of the space, and replacement of all finishes.



CITY OF STAMFORD — HOYT-BARNUM HOUSE

4. Relevant Experience - CWA

CLIENT
Yale University

TYPE
Relocation & Renovations

SERVICES PROVIDED
2002 - 2003

CONSTRUCTION
2003

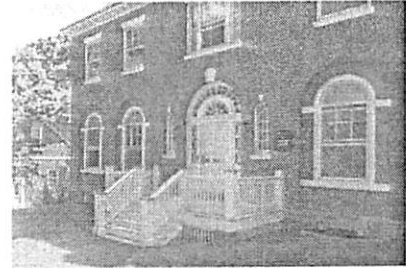
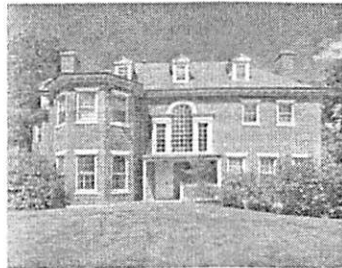
SCHOOL OF FORESTRY BUILDING RELOCATION

When Yale decided to build a new chemistry building in the national historic district on upper Prospect Street only one thing stood in the way: A 100-year-old, 13,000-square foot former mansion-turned academic building, occupied by the School of Forestry. Faced with either demolishing the structure or moving it, the University opted for the latter.

CWA was commissioned with the task of moving the building 90 degrees and 300 feet away to a new, seemingly natural location on Edwards Street. The International Chimney Company (ICC), an engineering company, was retained as a consultant. Preparation for the move took several months while the actual time "in flight" was approximately one week.

The relocated building needed to comply with new building codes, a task requiring thorough analysis and creative implementation when the building is more than a century old. Most visible is the stair tower addition, its half-octagon form a nod to existing bay projections. Also, all pre-existing bearing points of the upper stories were mated with new bearing points.

Cost: \$2,600,000





CITY OF STAMFORD — HOYT-BARNUM HOUSE

4. Relevant Experience - CWA

CLIENT
Livable Cities Initiative

TYPE
Restoration

SERVICES PROVIDED
2003

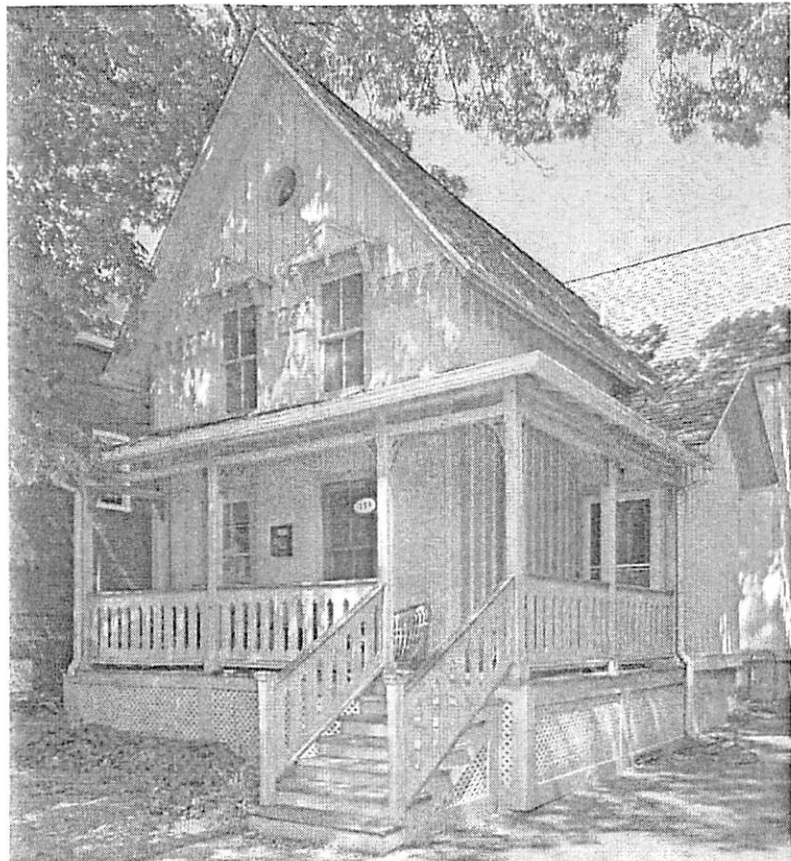
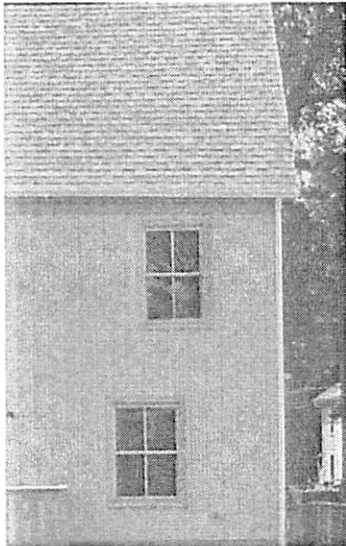
CONSTRUCTION
2003

CITY OF NEW HAVEN - LIVABLE CITIES INITIATIVE

CWA has been involved with several projects for New Haven's Livable Cities Initiative (LCI), a city government program designed to rejuvenate neighborhoods by reclaiming vacant lots and creating housing programs to support high quality, affordable, and energy efficient housing opportunities in order to facilitate safer, healthier and more attractive communities.

2002 Historic Home Relocation: This historic 1,650 square foot two-story home was moved from Kimberly Avenue to Greenwich Avenue in order to make way for a new Arts Magnet School. Built around 1850, it is a rare and well preserved example of cottage gothic architecture. It was a complete rehabilitation that preserved its historical integrity.

The house was removed from its original site before CWA's involvement and left on blocks at the rear of the lot. The porch was restroed to its original design and the pitched roof was reconstructed on the rear wing. The interior was completely gutted and renovated to DOH standards.





CITY OF STAMFORD — HOYT-BARNUM HOUSE

4. Relevant Experience - CWA

CLIENT

Yale University
School of Economics

TYPE

Addition / Renovation

SERVICES PROVIDED

2005 - 2006

CONSTRUCTION

2006

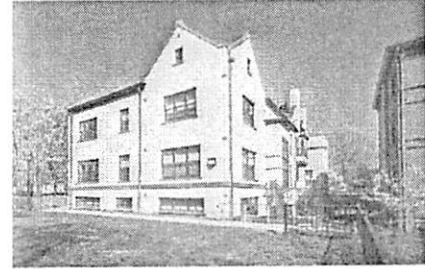
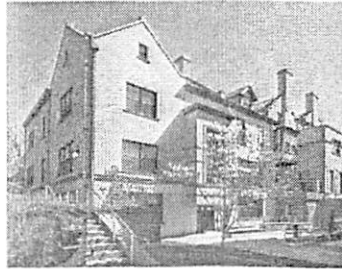
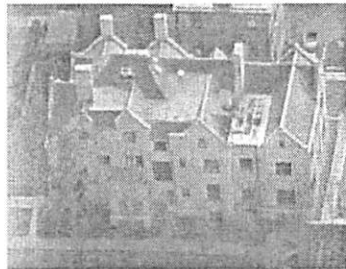
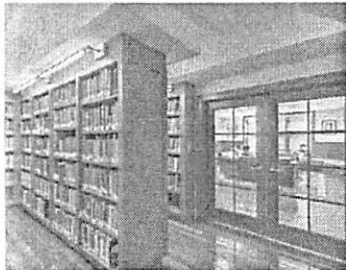
COWLES FOUNDATION

The Cowles Foundation for Research in Economics at Yale is located in a 13,000 sq ft building that was built in 1884. Originally clad in brick, stuccoed over in 1908, partially renovated in the 1970s, CWA added a 3,000 sq ft addition in 2006.

Included were building, fire code, HVAC and electrical upgrades, upgrading and adding to a late 19th century building. This is one of the (and the largest) four projects CWA has completed for the School of Economics in three different Hillhouse Avenue buildings of similar vintage.

The results are hard to see, but easy to experience: better circulation, a reconfigured and climate-controlled library, spacious offices and expanded lounge support workshops and conferences as well as the daily research activities undertaken research by Yale faculty, visiting professors, postdoctoral fellows and graduate students.

Cost: \$2,600,000





CITY OF STAMFORD — HOYT-BARNUM HOUSE

4. Relevant Experience - CWA

CLIENT
Yale University
Office of the Secretary

TYPE
Restoration & Adaptive Re-use

SERVICES PROVIDED
2010

CONSTRUCTION
2010

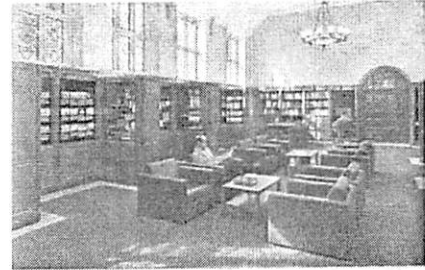
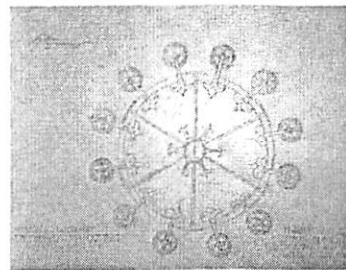
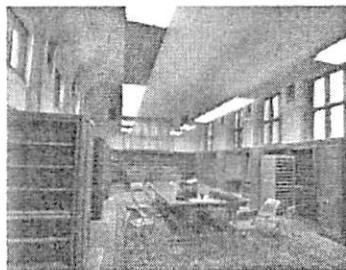
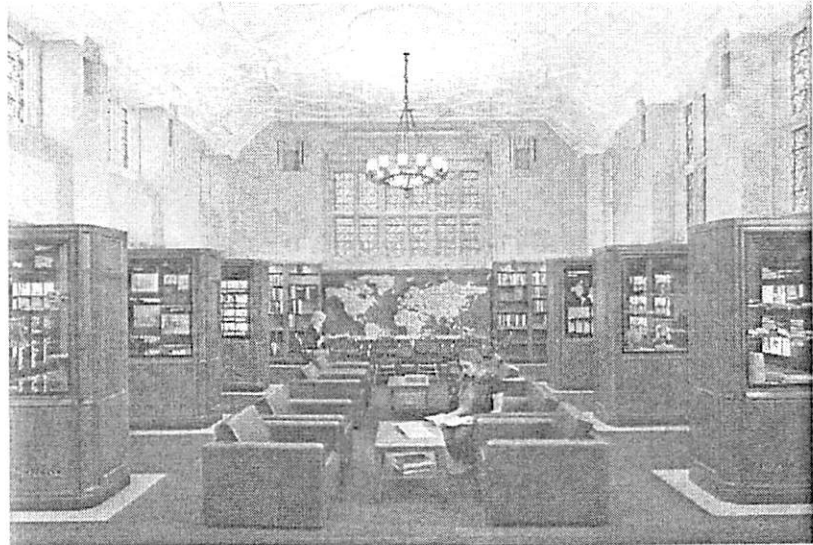
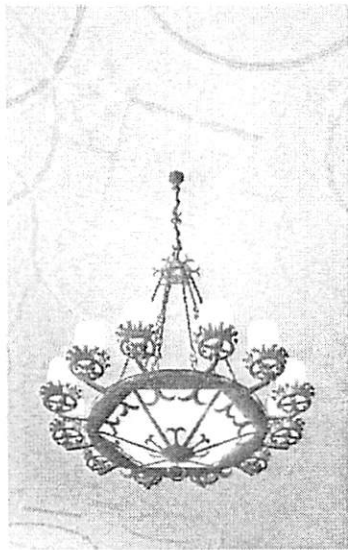
STERLING MEMORIAL LIBRARY INTERNATIONAL ROOM

Sterling Memorial Library is one of the most elaborate buildings on Yale's campus and is its largest library. Much of the 441,000 sq ft interior space also contains original works by the famed artisan metal worker Samuel Yellin, who contributed railings, gates, grilles and lighting fixtures.

By 2010 SML's Memorabilia Room, later dubbed The Art of the Book Room, which had previously served as a stately showcase and reading room within the building had become underutilized and neglected. CWA was brought on to transform the 1,400 sq ft space into its next incarnation, The International Room — the goal being to not only provide a modern portal to all international aspects of the University but to also restore the space to its former elegance and splendor.

Through thoughtful, sensitive and artful design, the room has at once been brought back to its original grandeur while providing the latest in technology and media resources to curious students and researchers alike; it also doubles as a lecture hall for presentations. Most of the original bookcases were retained, repaired, restored and converted into glass enclosed illuminated display cases. CWA researched, designed and mocked up chandeliers that were similar to the long lost originals.

Construction cost: \$225,000





CITY OF STAMFORD — HOYT-BARNUM HOUSE

4. Relevant Experience - CWA

CLIENT

Yale University
Various Departments

TYPE

Ongoing renovations and upgrades

SERVICES PROVIDED

2009 - Ongoing

CONSTRUCTION

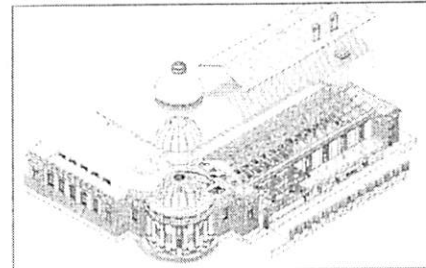
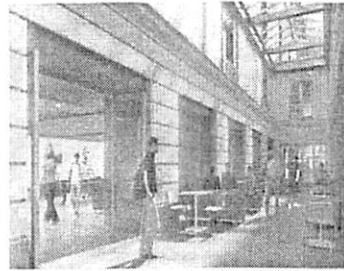
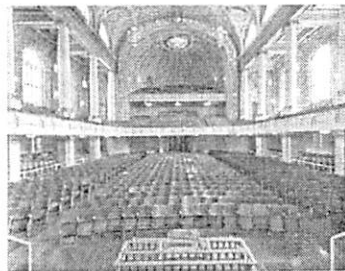
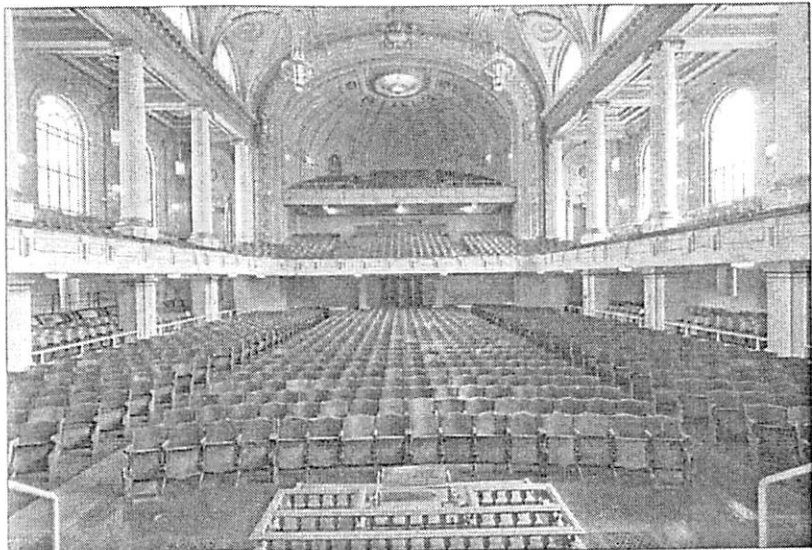
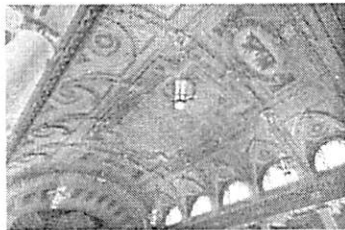
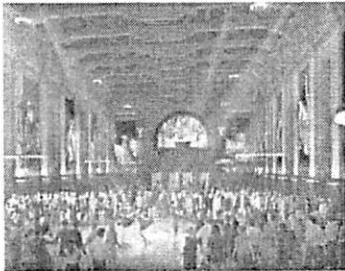
2013 - Ongoing

BICENTENNIAL COMPLEX

Three of the most iconic buildings at Yale, Woolsey Hall, the Memorial Hall (Rotunda), and the Main Dining Hall (Commons) were designed as a cohesive set piece by Carrere and Hastings and constructed by the University on the anniversary of its second century. Over the next century, a number of circumstances conspired against truly comprehensive or substantive renovations anywhere in the Bicentennial Complex. In 2009 CWA was selected to respond to a limited menu of code deficiencies in Woolsey Hall. This project cascaded into a six year in-depth relationship with the entire Bicentennial Complex that positioned CWA as the Master Plan architect and a key participant in securing one of the largest single donations in Yale's history.

CWA's involvement ranged from infrastructure to accessibility, to restoration. Infrastructure includes: New Normal and Alternate power and distribution in both Woolsey and Commons, Media Services improvements, FOG compliance in Commons, chilled water extensions to Woolsey, pre-action fire sprinklers connected to a new coordinated complex-wide detection and annunciation system, and an integrated smoke control system in Woolsey. CWA devised the first practical passive accessibility plan for Memorial Hall, connecting multiple near grade levels with a single discrete, integrated ramp. Light fixtures and selected finishes were restored in the course of the larger code improvements.

Construction cost: \$6,500,000





CITY OF STAMFORD — HOYT-BARNUM HOUSE

4. Relevant Experience - CWA

CLIENT

Yale University
School of Forestry

TYPE

Comprehensive Renovations

SERVICES PROVIDED

2010 - 2014

CONSTRUCTION

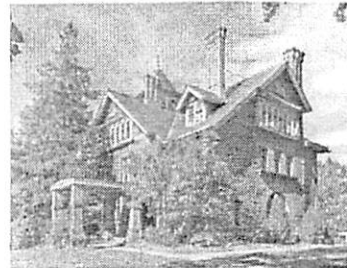
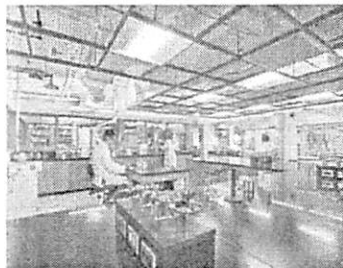
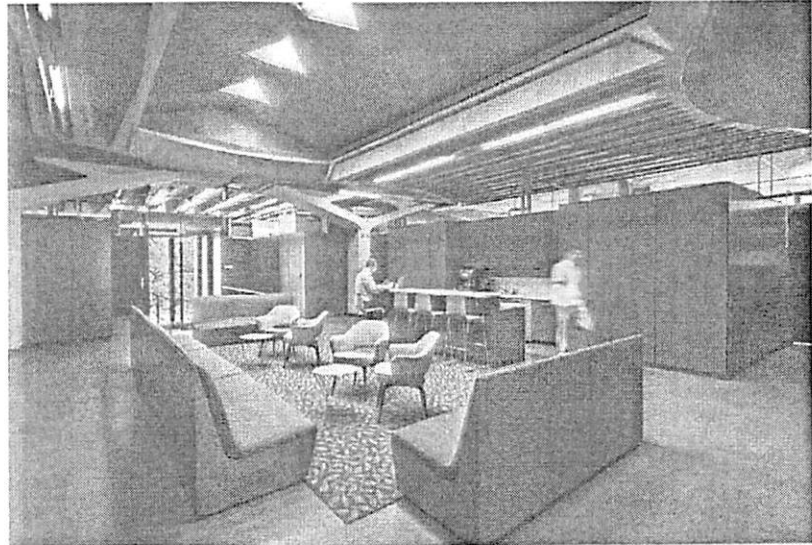
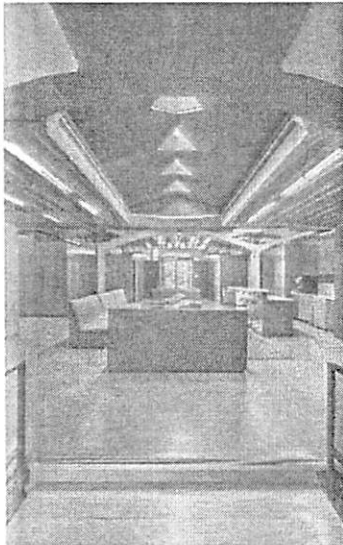
2012 - 2014

GREELEY MEMORIAL LABORATORY

CWA has been working with Yale's School of Forestry to complete phased comprehensive renovations to their 24,000 sq ft mid-century Paul Rudolph landmark building (1959) that houses offices, labs and public space. This project also includes renovations and ADA upgrades to the historic Marsh Hall (registered historic landmark - 1878) that is sited directly adjacent to Greeley and houses additional School of Forestry offices.

Over several phases spanning approximately four years, CWA has removed fifty years of insensitive changes; restored the building back to its original aesthetic; and renovated it to function as a 21st century laboratory for the School of Forestry and the Center for Green Chemistry.

Construction cost: \$8,500,000





CITY OF STAMFORD — HOYT-BARNUM HOUSE

4. Relevant Experience - CWA

CLIENT
Yale University

TYPE
Comprehensive Renovations

SERVICES PROVIDED
2008

CONSTRUCTION
2008

DANA HOUSE

Engaged to address life-safety improvements to this 10,000 sq ft registered landmark home-turned-academic office space, CWA designed some life-quality improvements at the same time.

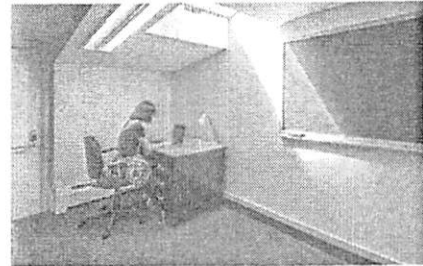
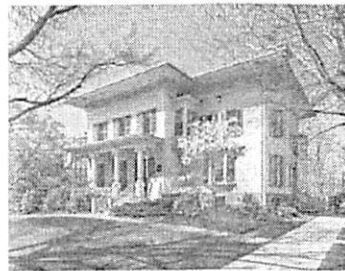
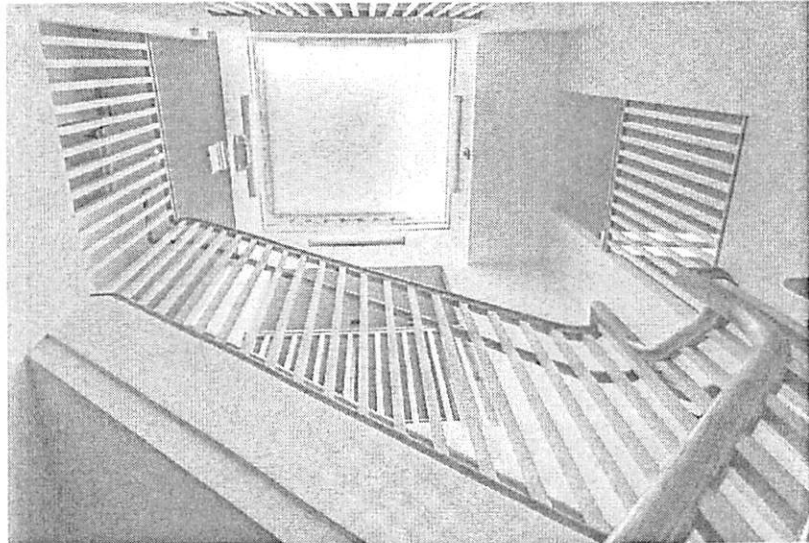
By designing a new, open stairwell to replace the narrow, non-compliant stair to the attic CWA created a safe means of attic egress while flooding both the formerly dark attic and the second floor with an abundance of natural light.

The gracious, open baluster wood stair physically and visually unites the previously isolated student oriented attic with the faculty who occupy second floor.

"CWA listened to our needs and created a light and spacious area in which the students could study. This design exceeded all expectations and the final result fully fits the bill. Additionally, our wanting to keep this building's integrity within the original era was kept in mind and the renovation meets updated code yet still holds the charm it always had."

Joann DelVecchio, Operations Manager, Yale University Department of Statistics

Cost: \$475,000





CITY OF STAMFORD — HOYT-BARNUM HOUSE

4. Relevant Experience - CWA

CLIENT
City of New Haven

TYPE
Renovations

SERVICES PROVIDED
2009 - 2011

CONSTRUCTION
2009 - 2012

PROJECT CONTRACTOR
N/A

CITY OF NEW HAVEN ROOFING PROJECTS

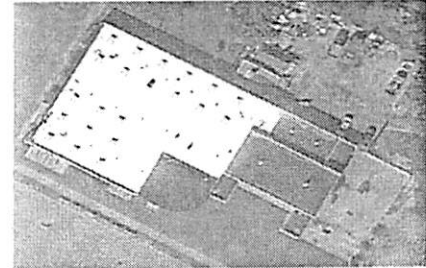
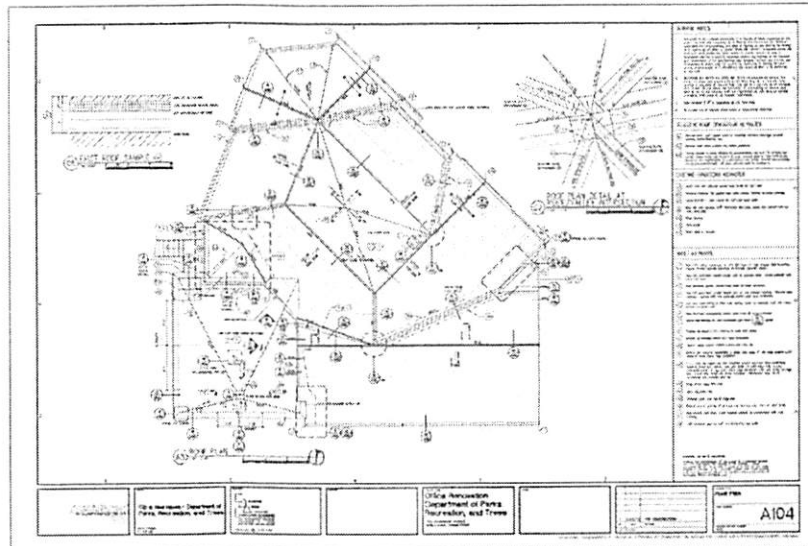
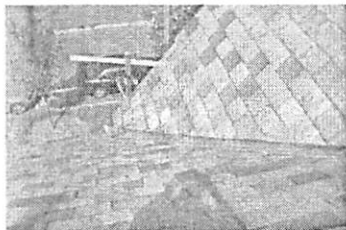
Between 2008 and 2011, CWA provided architectural services to a number of City of New Haven roofing projects – These included the following:

The Ralph Walker Skating Rink consists of a multi-faceted sloped hip type roof covered with asphalt shingles; and its adjoining warming house consists of a low slope membrane type roof. CWA designed the replacement of the asphalt shingles, repairs to damaged/rotted areas of the wood decking and removal and replacement of the membrane roof. All flashings at wall/roof intersections and parapets were also replaced along with fascias at the roof edge.

Complete roof replacement of the existing 12,000 sq ft bathhouse at Lighthouse Point, including the re-flashing of approximately 25 skylights.

Comprehensive replacement of a multi-faceted roof that presents slate and copper to the street, with low slope segments beyond the apparent ridge for the Parks Dept Office. CWA provided solutions for leaking problems that were difficult to solve and more difficult to diagnose due to the roofs complicated intersections.

Construction cost: \$578,000





CITY OF STAMFORD — HOYT-BARNUM HOUSE

4. Relevant Experience - CWA

CLIENT
Yale University
Saybrook College

TYPE
Restoration

SERVICES PROVIDED
2012

CONSTRUCTION
2013

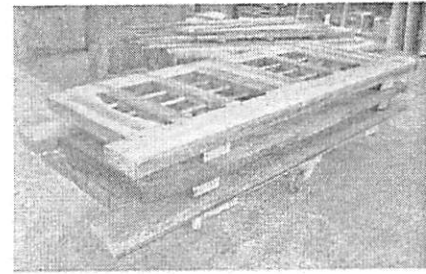
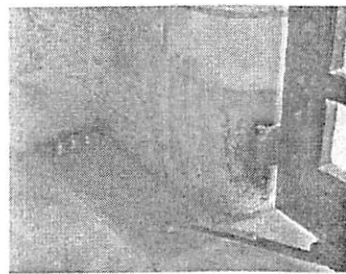
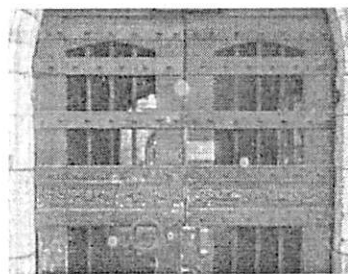
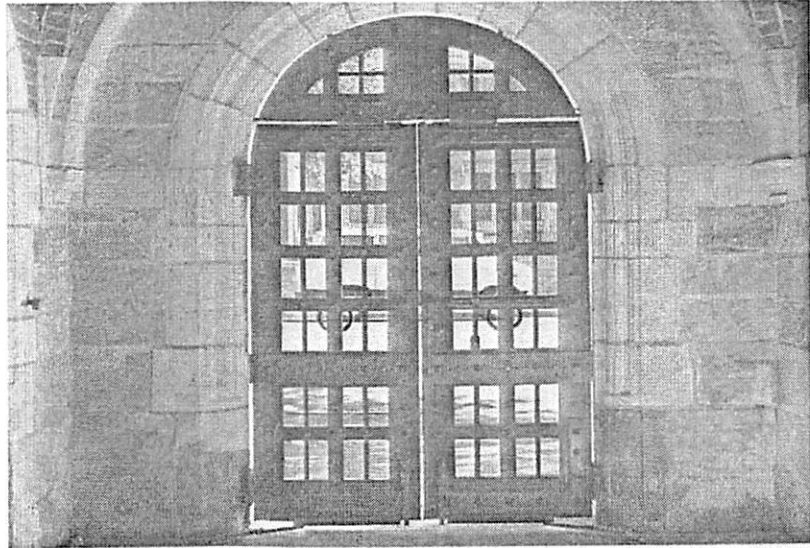
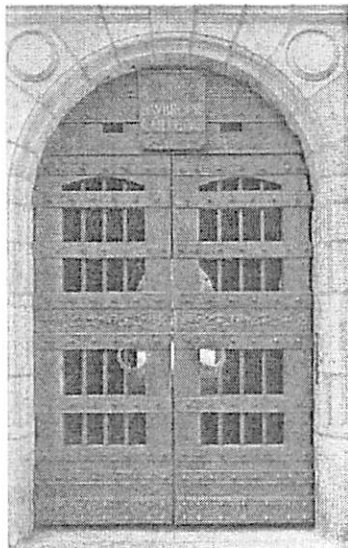
SAYBROOK GATES RESTORATION

It's been said that Samuel Yellin called himself a blacksmith, while other called him a genius. Either way, he was an exceptional artisan, his mastery of material and affinity for style and context keeping him busy with prestigious commissions from the late 'teens to the early 1940s, Yale University included.

Saybrook Gates today are a portal between student housing and academic buildings. After decades of daily use and multiple repairs of varying quality, the gates and their hardware were in poor condition. Restoring the work of a master is a patient, painstaking business. With the goal of restoring the gates' aesthetic distinction and modernizing its function for lasting success, CWA worked closely with Hammersmith Studios to uncover, diagnose, treat and finish the gates.

The quality of the finished work speaks volumes to the talents of the craft-workers involved. Repairs in the metal work are indistinguishable from the original work in terms of technique and texture. Wood repairs are neat and honest and sit comfortably with the hand worn edges. A non-film-forming finish can be refreshed with a minimum of effort, and most importantly, no sanding ensures excellent maintenance over time.

Construction cost: \$320,000

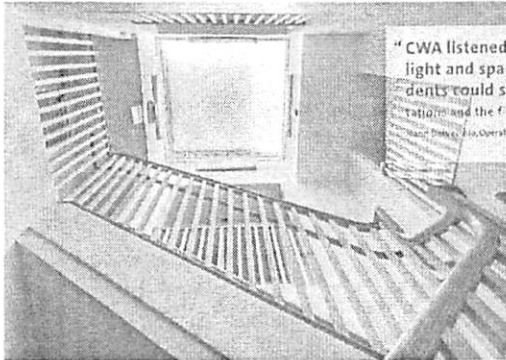




CITY OF STAMFORD — HOYT-BARNUM HOUSE

4. Relevant Experience - CWA

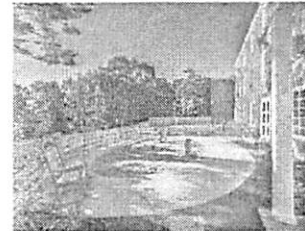
CLIENT TESTIMONIALS



DNVA HOUTER, Making the most of the magnificent

"CWA listened to our needs for want of a light and spacious area in which the students could study. This design exceeded all expectations and the final result fully hits the bill!"

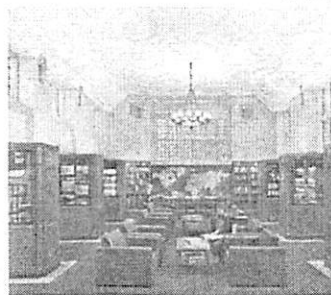
John D. Houtner, Director of Operations, City of Stamford Department of Facilities



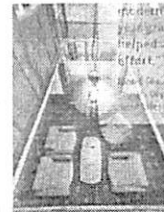
CUARTERMAN, ENGLAND, A view of the fountain in the

"CWA opened things up by taking a unique space and making it work... Having a new and modern office area for our first year graduate students has helped us part of our recruiting effort."

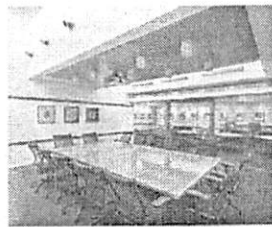
John S. Carter, Director of Student Services, City of Stamford Department of Administration



DEERING MEMORIAL LIBRARY, Book to the future



REXMEETING ROOM, Making the most of the space



DNVA HOUTER, City of Stamford, open office



DNVA HOUTER, City of Stamford, open office

"Working with CWA was an incredibly positive experience. [They] absorbed a huge number of potentially conflicting requirements, and found a way to accommodate them all in the very challenging site."

John S. Carter, Director of Student Services, City of Stamford



DNVA HOUTER, Theory and measurement

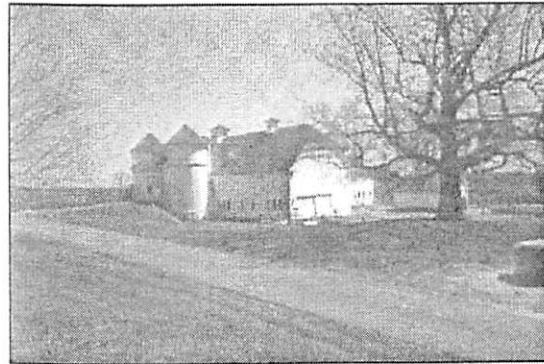


Hilltop Farm National Register Nomination Suffield, Connecticut

Date of Performance: 2004

Client: The Friends of the Farm at Hilltop, Inc.

In 2004, PAL prepared a National Register of Historic Places application for Hilltop Farm in Suffield, Connecticut for The Friends of the Farm at Hilltop, Inc. George Hendee developed the farm in the early twentieth century as a gentleman's country estate. Hendee was America's first internationally acclaimed high-wheel bicycle champion and set numerous world records during his racing career. After retiring from racing in the early 1890s, he founded the Hendee Manufacturing Company for the production of bicycles. In 1900 he teamed with engineering genius Oscar Hedstrom to manufacture the Indian brand of motorized bicycles. Ultimately, the Indian Motorcycle Company became the largest motorcycle manufacturer in the United States, and its Springfield, Massachusetts plant grew into one of the largest factories of any kind under one roof in the world. In 1913 Hendee began to think about retirement from the business and purchased a number of small farmsteads along the Connecticut River in nearby Suffield for the purposes of developing a working dairy and poultry farm and building a grand estate house.



The Hilltop Farm Historic District encompasses 236 contiguous acres of the former estate. While Hendee's manor house is no longer standing, the remaining vestiges, including 27 contributing buildings and structures and open agricultural fields, represent an important collection of historic resources that meets National Register criteria A, B, and C at the local level in the areas of agriculture, architecture, and landscape architecture. It possesses significance as an example of an early-twentieth-century gentleman's farm that reflected the Country Place Movement of the late nineteenth and early twentieth centuries. It is a good and relatively intact example of an early-twentieth-century Connecticut dairy, poultry, and breeding farm that represents scientific farming principals of the period. The district also possesses significance for its association with Hendee, who oversaw the establishment of one of the most popular brand of American motorcycles in the first half of the twentieth century. Hendee used the fortune that he amassed to develop the estate and engage in a variety of philanthropic pursuits that marked the years of his retirement. In the area of architecture, the district is significant as a relatively intact early-twentieth-century agricultural landscape and as an example of the work of noted architect Max Westoff, who designed the Mediterranean Revival-style manor house, and Carl Rust Parker, a prominent landscape architect based in Portland, Maine, laid out the grounds.

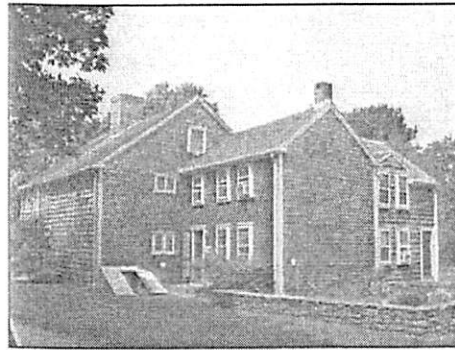


**Wilbor House Museum Complex
Friends Meeting House and Cemetery
National Register
of Historic Places Nominations
Little Compton, Rhode Island**

Date of Performance: 2006-2007

Client: Little Compton Historical Society

PAL completed two National Register of Historic Places nominations for the Wilbor House Museum Complex and the Friends Meeting House and Cemetery in Little Compton, Rhode Island. The owner, the Little Compton Historical Society, solicited the nominations for the honor of listing, to support future grant funding applications for restoration and rehabilitation, and in recognition of the 90th birthday of Carleton Brownell. Mr. Brownell, a teacher and champion of historic preservation, was instrumental in the society's acquisition and restoration of the Meeting House and the Wilbor House museum complex.



Wilbor House

The **Wilbor House Complex** is an intact agricultural landscape consisting of a 1690 farm house with historic additions, surrounded by 18th and 19th-century outbuildings and stone walls in a rural setting. The Wilbor House Complex is a significant testament to early historic preservation efforts in Rhode Island, and is a representative physical expression of late-seventeenth to early twentieth-century agricultural and residential building types in rural Rhode Island. Since 1954, the buildings and site have benefited from restoration and interpretive efforts that contribute to the current use of the property as a museum.



Friends Meeting House

The **Friends Meeting House** is a rectangular, two-story, shingle-clad Quaker meeting house constructed in 1815 with a contemporary burial ground to the rear. Portions of the original 1700 meeting house, which previously existed on the site, were incorporated into the 1815 building. The building is significant as a representative physical expression of Quaker ideals and New England Quaker architectural design. The building fell into disrepair after the death of the last member of the congregation in 1903, but was restored in 1925 and 1960.

PAL conducted field work, photography, and research in the extensive archives (images, correspondence, ephemera) of the Little Compton Historical Society and regional repositories, as well as an interview with Mr. Brownell. The properties were listed in the National Register in 2007.



South Shore Baptist Church Cultural Resource Services Hingham, Massachusetts

Date of Performance: 2009-2010

Client: South Shore Baptist Church, Hingham, Massachusetts

The South Shore Baptist Church in Hingham, Massachusetts proposed to create a parking lot and stormwater management facility at 8-12 Free Street. A portion of that property falls within the Tower-Wilder Historic District, and therefore the project was subject to review by the Hingham Historical District Commission under the town's demolition delay ordinance. PAL, at the request of the South Shore Baptist Church, conducted research and documentation of the residence to fulfill the Hingham Historical District Commission ordinance.

The project was completed in three phases. Phase I consisted of conducting research and preparing a historical summary that includes an assessment of the property's historic significance. PAL reviewed state and local repositories and online resources, as well as an interview of a former owner to prepare the document.

PAL produced two products in Phase II of the project. One product covered the protocol for an architectural documentation prior to any changes and during potential relocation or demolition of the residence. The second product was an architectural summary that was prepared after a site visit and examination of the existing conditions of the residence.

Upon the approval by the Hingham Historical District Commission of plans to dismantle the house and relocate it to a nearby location, PAL completed Phase III of the project, a photographic documentation throughout the dismantling of the residence. PAL produced a State Level Photographic Documentation consisting of the demolition, deconstruction, and relocation process.



8-12 Free Street, prior to any demolition



8-12 Free Street, during dismantling



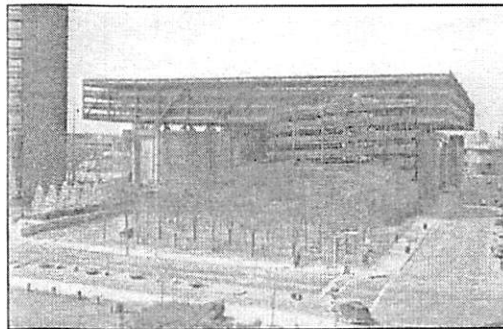
8-12 Free Street, dismantled



New Haven Coliseum Historical Documentation New Haven, Connecticut

Date of Performance: 2005
Client: City of New Haven
Contact: Tony Biulecki, 203-946-5891

The New Haven Veterans Memorial Coliseum was constructed in 1972 as part of Mayor Richard C. Lee's "Model City Program." The massive \$96 million urban redevelopment program was undertaken during the mid-1960s to revitalize the city's crumbling downtown area, which had suffered significant urban decay as a result of the flight of residents and businesses to surrounding suburbs in the first half of the twentieth century. New Haven was one of the first three cities to receive federal redevelopment grants under the Housing and Urban Development Act of 1965 and used those funds in early 1966 to implement a series of redevelopment projects that were successful in attracting new commercial development in the city's urban core. The new buildings were designed in the Modern style and reflected the work of nationally prominent architects, including Paul Rudolph and Mies van de Rohe.



The New Haven Veterans Memorial Coliseum, which was intended to serve as a gateway to the city, reflected the new modernism ethic of the redevelopment program. It was designed by the noted U.S. architectural firm Kevin Roche John Dinkeloo and Associates. It was an excellent example of the brutal style of civic architecture that was popularized in the early 1970s and incorporated a unique design solution to address site limitations by placing a parking structure on top of the building. Its design incorporated industrial and highway materials and construction methodology.

For 30 years, the coliseum attracted a variety of major concert and entertainment events. During the 1990s, however, bookings dropped precipitously due to competition from newer venues with more modern amenities. Faced with a price tag of an estimated \$30 million to renovate the building, the City's Board of Aldermen voted to tear down the structure in 2005.

Before the demolition of the coliseum, the City of New Haven contracted with PAL to prepare historical documentation to provide a permanent archival record of the building. PAL's work included extensive research to evaluate the significance of the property. The product was written report that provides detailed information about the coliseum's architecture, its architects, and the historical importance of the building within in the context of the city's 1960s redevelopment efforts. The report included large format negative photography of the building and copies of original plans and historic views.



Saint-Gaudens National Historic Site National Register Nomination Cornish, New Hampshire

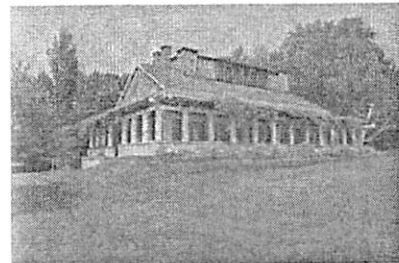
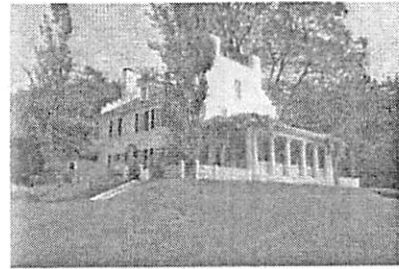
Date of Performance: 2011-2012

Client: National Park Service

Contact: Elizabeth Igleheart 617-223-5018

PAL completed an updated and expanded National Register of Historic Places Nomination for the Saint-Gaudens National Historic Site (NHS) within the Connecticut River Valley in Cornish, Sullivan County, New Hampshire. The project was conducted to assist the NPS in meeting its obligations under Section 110 of the National Historic Preservation Act, which requires that federal agencies maintain a preservation program for identification, evaluation, and nomination of properties that they own or control. The National Register documentation project included the evaluation of contributing and non-contributing resources within the district; the establishment of periods and areas of significance; and the consideration of multiple historic contexts.

Saint-Gaudens NHS is a nationally significant 190.6-acre historic district that developed as part of the Cornish Art Colony beginning in the late nineteenth century. The district encompasses 54 contributing and 18 non-contributing resources within three adjacent properties. Aspet, the core of the district, was the summer home and studio, and later year-round residence, of sculptor Augustus Saint-Gaudens during the peak of his productive career from 1885 to 1907. Saint-Gaudens (1848-1907) rose to national prominence as one of the preeminent American sculptors of the Gilded Era and completed several major commissions in the studio at his Cornish property. The property itself, partially designed by landscape architect Ellen Shipman, is a physical expression of Saint-Gaudens's classically inspired aesthetic ideals and includes a temple monument containing his ashes. Blow-Me-Down Farm and Mill was a seasonal estate associated with Charles Cotesworth Beaman Jr. who helped establish the Cornish Art Colony by buying surrounding properties and renting or selling them to artists attracted to the area from New York City. Saint-Gaudens Farm is part of the former Johnson farm property that was purchased by Augustus and Augusta Saint-Gaudens in the early twentieth century. The district has archaeological significance and extensive collections of artwork, molds and casts, farming implements, memorabilia, photographs, and family papers.



Aspet House and Studio



CITY OF STAMFORD — HOYT-BARNUM HOUSE

4. Consultant Relevant Experience - International Chimney Corp.

***Awards Received By
International Chimney Corporation***

PO Box 260

Buffalo, NY 14231-0260

Phone: 800-828-1446 Fax: 716-634-3983

- 2014 **Heaviest Building Moved on Rubber Tires**
International Association of Structural Movers
Relocation of the Schifter Residence
Chappaquiddick, (Martha's Vineyard) MA
- 2011 **Most Unusual Move**
International Association of Structural Movers
Relocation of Peace Mural, Our Lady of Fatima Shrine,
Lewiston, New York
- 2010 **Outstanding Achievement**
International Association of Structural Movers
Design and use of Transporter System
- 2008 **Tallest Structure Moved**
International Association of Structural Movers
Relocation of Sankaty Head Lighthouse, Nantucket, MA
- 2006 **Outstanding Achievement**
International Association of Structural Movers
Newton Wellesley Hospital, Newton, MA
- 2004 **Florida Preservation Award**
Florida Trust For Historic Preservation
(Restore Anclote Key Lighthouse, Anclote Key Preserve, FL)
- 2002 **National Excellence Award**
National Association of Environmental Professionals
(Relocate King of Prussia Inn, King of Prussia, PA)
- 2002 **Florida Preservation Award**
Florida Trust For Historic Preservation
(Restore Ponce DeLeon Lighthouse, Ponce DeLeon Inlet, FL)
- 2001 **Preservation Achievement Award**
Preservation Alliance for Greater Philadelphia
(Relocate King of Prussia Inn, King of Prussia, PA)





CITY OF STAMFORD — HOYT-BARNUM HOUSE

4. Consultant Relevant Experience - International Chimney Corp.

Awards Received By International Chimney Corporation, Continued

- 2001 *Merit in Project, Best of 2001 Award*
New York Construction News
(Relocate 1st. Airport Passenger Terminal, Newark, NJ)
- 2000 *Heaviest Structure Moved on Rubber Tires*
International Association of Structural Movers
(Relocate 1st. Airport Passenger Terminal, Newark, NJ)
- 2000 *Highway Support and Enhancement Award*
Pennsylvania Quality Initiative
(Relocate King of Prussia Inn)
- 2000 *Heaviest Structure Moved on Rubber Tires*
International Association of Structural Movers
(Relocation of the Schubert Theater, Minneapolis, MN)
- 2000 *Heaviest Structure Moved Not on Rubber Tires*
International Association of Structural Movers
(Cape Hatteras Lighthouse, Outer Banks, NC)
- 2000 *Outstanding Civil Engineering Achievement / (OPAL)*
American Society of Civil Engineers
(Cape Hatteras Lighthouse, Outer Banks, NC)
- 2000 *Grand Award, Engineering Excellence*
Metro Atlanta Engineers Week Committee
(Cape Hatteras Lighthouse, Outer Banks, NC)
- 1999 *Quality Restoration Award*
Historic Savannah Foundation
(Restoration of the Tybee Island Lighthouse, Tybee Island, GA)
- 1999 *Heritage Preservation Award*
Minneapolis Chapter of the American Institute of Architects
(Relocation of the Schubert Theater, Minneapolis, MN)
- 1999 *Most Unusual Move*
International Association of Structural Movers
- 1999 *Heaviest Move on Rubber Tired Dollies, World Record*
Guinness Book of World Records
(Relocation of the Schubert Theater, Minneapolis, MN)

 INTERNATIONAL CHIMNEY CORPORATION <i>Engineers & Contractors Since 1927</i>	MATRIX OF RELOCATION & RESTORATION EXPERIENCE														
	Register Listed or Landmark	Subject to SHPO Review	Relocation of Masonry Structure	Extensive Shoring / Relocation	Scaffolding High Structure	ICC In-House Engineering	Stone Restoration	Masonry Restoration / Lighthouses	Relocation Tonnage	Concrete Cnt. Core. Remove	Working/Managing Difficult Logistic/Island	Metal/Copper Roofing	Bronze Curtain Wall (Glazing)	Window Restoration	Historic Metals
Cape Hatteras Lighthouse, CAHA, NC Relocation -1999	X	X	X	X	X	X	X	X	4800	X	X				X
Sankaty Head Lighthouse, Nantucket Restore & Relocate -2008	X	X	X	X	X	X		X	450	X	X	X	X		X
South East Lighthouse, Block Island, RI Relocation - 1992	X	X	X	X	X	X	X	X	2000	X	X	X	X		X
Highland Lighthouse, Cape Cod Nat. Seashore, MA Relocation 1996	X	X	X	X	X	X		X	450	X	X	X			X
Salem First Baptist Church, Salem, MA. Relocation (for Expert HM) 2008	X	X	X	X		X		X	1250	X					
Relocate Schifter Residence/complex Chappaquiddick, MA - 2013				X		X	X		1550	X	X				
King of Prussia Inn, PA Relocation 2000	X	X	X	X		X		X	510	X					
Relocate (5) Buildings: AAMC, Washington DC. (Expert) 2012	X	X	X	X		X			Var.	X					
Newark International Airport, Passenger Terminal Relocation 2000	X	X	X	X		X			6700	X					
Relocation of the Newton-Wellesley Hospital, Ellison Bldg, Newton, MA -2005	X	X	X	X		X			950	X					
Shubert Theater, MN Relocation 1999	X	X	X	X		X			2908	X					

 INTERNATIONAL CHIMNEY CORPORATION <i>Engineers & Contractors Since 1927</i>	MATRIX OF RELOCATION & RESTORATION EXPERIENCE														
	<i>Register Listed or Landmark</i>	<i>Subject to SHPO Review</i>	<i>Relocation of Masonry Structure</i>	<i>Extensive Shoring / Relocation</i>	<i>Scaffolding High Structure</i>	<i>ICC In-House Engineering</i>	<i>Stone Restoration</i>	<i>Masonry Restoration / Lighthouses</i>	<i>Relocation Tonnage</i>	<i>Concrete Cnt. Core. Remove</i>	<i>Working/Managing Difficult Logistic/Island</i>	<i>Metal/Copper Roofing</i>	<i>Bronze Curtain Wall (Glazing)</i>	<i>Window Restoration</i>	<i>Historic Metals</i>
Relocate Mount Palomar Prototype Lens, Corning Glass, NY 1996		X		X		X			unk						
Relocate Union Arch, Columbus, OH	X	X		X		X	X	X	300	X					
Relocate Mural, Derby NY				X		X			NA	X					
Nauset LH, Cape Cod, MA Relocation - 1997	X	X	liner	X	X	X			200	X	X		X	X	X
GEM Theater, Detroit, MI Relocation 1997	X	X		X		X		X	2700	X					
Cape Hatteras Lighthouse, CAHA, NC Restoration	X	X			X	X	X	X	NA		X	X	X	X	X
N & S Thacher Island Lighthouses, MA Restoration	X				X	X	X	X	NA		X	X	X		
Currituck Lighthouse, NC Restoration	X	X			X	X		X	NA		X	X	X		X
Point Sur Lighthouse, CA Restoration	X				X	X	X	X	NA		X	X	X		X
Preservation of the Straitsmouth Lighthouse, Offshore Rockport, MA	X			X	X	X		X	NA		X	X			X
Assateague Lighthouse, VA Restoration	X	X			X	X		X	NA		X	X	X		X
Ponce De Leon Inlet Lighthouse, FL Restoration	X	X			X	X	X	X	NA			X	X	X	X
Cape May Lighthouse Cape May NJ	X	X			X			X	NA			X	X	X	X
Tybee Island Lighthouse , GA Restoration	X	X			X	X	X	X	NA		X	X	X	X	X



HISTORIC EXPERIENCE

Mark Twain House and Museum: Grant-Funded Campus Improvements, Hartford, Connecticut

As part of a multi-disciplinary, contractor-lead, design-build team, Freeman Companies, LLC was selected by The Mark Twain House & Museum (MTH&M) in downtown Hartford to provide Civil Engineering services for this treasured local, State, and Federal Landmark site. Work is funded by a recent Connecticut DECD grant and includes a combination of design-build, historic preservation, and other needed improvements to the three buildings and site which comprise the historic campus. Freeman Companies is presently engaged in two of the priority improvements (parking lot drainage and the Carriage House Driveway).

City of Hartford and the Greater Hartford Transit District: TIGER IV Grant: The iQuilt Project – Hartford Intermodal Triangle, Hartford, Connecticut

Union Place, Bushnell Park North, and Asylum/Pearl/Statehouse Square comprise the three major TIGER-funded roadway projects called the "Hartford Intermodal Triangle": a comprehensive, \$ 24 million urban vision for a progressive, and economically vital, city center in development for many years. **Bushnell Park North:** Freeman Companies provided land surveying, civil engineering roadway design and geotechnical engineering services to the Prime Engineer for the development of Bushnell Park North, the initiative's centerpiece project. Bushnell Park North, the new name for the collection of Asylum, Ford, Jewell, Trumbull, Wells and Gold Streets, is rebuilt as a vibrant, sustainable, and cohesive boulevard along the northern edge of historic Bushnell Park, from Union Station to Main Street. The existing median is removed and the street significantly narrowed and re-striped for traffic calming. New traffic signals are constructed at Pearl and Ford, Trumbull and Jewell, Wells and Gold, and Main and Gold Streets. Roadway and sidewalk lighting, way finding signage, crosswalks, sidewalks, new street trees, landscaping, park benches and park walks are installed, greatly enhancing the pedestrian experience. Gold Street is also realigned so that its western end coincides approximately with Bushnell Park's Roadway Gate. For the overall Intermodal Triangle initiative, Freeman Companies acted as "Survey Project Coordinator" with the responsibility of establishing the survey control for the entire, downtown Hartford project area. **Union Place Reconstruction:** Work at Union Place involves enhancements and renovations of the historic Union Station, special signal and lane treatment for CTfastrak terminus, special gateway treatment of the rail overpass, major bus stop enhancements around the station (including the local bus layover), enhanced Intermodal transfer signage for pedestrians and vehicles, new pedestrian signs and maps, and enhanced roadway and pedestrian lighting. Freeman Companies, LLC served as Project Designer and is currently performing Construction Inspection services for the City.

Harvard University: Old Quincy Renovation (Renewal Pilot Project #1), Cambridge, Massachusetts

Building and land surveying and construction layout services to Dimeo Construction Company for this very important "Renewal Pilot Project #1" for Harvard University's planned \$ 1-billion Undergraduate House Renewal Program. Freeman Companies provided site survey, construction stakeout and project controls. Stakeout involved site appurtenances inclusive of curbs, parking areas, buildings, light pole bases, clearing limits, etc. Site grades were also verified and material quantities checked. LEED Gold.

City of Hartford and the Hartford School Building Committee: West Middle School, Hartford, Connecticut

The City of Hartford is engaged in a \$ 54.6 million renovation to as-new condition of the West Middle School, a Pre-K to 8th grade school originally built in 1894. The existing school is spread over three interconnected buildings, totaling 91,273 SF, and is located on a constrained 2.8 acre urban site at 927 Asylum Avenue in Hartford. The project consists of

comprehensive alterations to the site and building to update the school for code compliance, accessibility and technologic purposes. The project requires the demolition of portions of the existing buildings (approx. 22,000 SF) and the construction of approximately 40,000 SF of new space, resulting in a 108,000 SF final building area to serve 750 students. Freeman Companies is responsible for providing land surveying, civil and geotechnical engineering services. The schematic design plans for the site included a below-grade parking deck to allow for additional play areas on the surface level. Upon review of the schematic plans, Freeman Companies made the recommendation to relocate the play area to the roof of the school to eliminate the below grade parking. This innovative solution resulted in the design of a play area unlike any in the greater Hartford area as well as a savings of nearly \$1,000,000 to the project budget. This site also had geotechnical challenges due to the fact that the site resides on over 100 feet of soft, varved clay. After many rounds of advanced soil testing and analysis, lead Geotechnical Engineer Nathan L. Whetten, PE, D.G.E., CG recommended that the upper portion of the clay be stiffened by installing aggregate columns to decrease settlement and increase bearing capacity of the native clay soils. The findings of the geotechnical evaluation were confirmed by an independent peer review and provided considerable cost savings to the project.

Reconstruction of the Parade, New London, Connecticut

The transformation of Union Plaza to the new Parade Plaza was a project designed to expand and open a wide public space in front of H.H. Richardson's Union Station to encourage pedestrian traffic; create an open link between the parking garage and the downtown business district; and provide greater public safety around New London's busy transportation center. Mr. Whetten acted as Project Manager. Services included improvements to a parking garage, re-grading the park and surrounding streets, and a number of improvements to enhance pedestrian safety. The project goals included improving pedestrian and vehicle safety, and providing enhanced access to the Intermodal Transportation Facility. In addition, the landscape of the Parade and the area north of Atlantic Street were redesigned to include new stairways, landscaped areas, retaining walls, and a fountain. The skywalk between the Parade and the garage were removed, and access from the parking garage was reconfigured and ground surface was lowered up to about three feet within the Parade, and raised up to about two feet in the area north of Atlantic Street.

National Trust for Historic Preservation: Lyndhurst Estate, Tarrytown, New York

Retained by the National Trust for Historic Preservation to provide land surveying, civil engineering and landscape architecture design services at the historic sixty-seven acre museum on the Hudson River. Initial assignments included land surveying and civil engineering design for immediate drainage improvements within the Carriage House courtyard. The Trust utilizes the carriage house and grounds for weddings and other functions which sustains the operations of the property. A broadened scope involved a review of site access and parking issues, including extensive research of paving materials for the Carriage House courtyard, final paving and drainage design and addressing ADA accessibility.

City of Hartford: The Goodwin Estate, Hartford, Connecticut

As part of a City of Hartford bid process to select a preferred developer, conducted a site reconnaissance, assembled base mapping and prepared an overall development scheme. The Plan incorporated buffers from the surrounding single family residences and retained the existing historic structures. The Plan met overall City goals of retaining the character of the site and the profitability utilizing the site. The plan was used by the developer as part of its presentation and the developer was subsequently selected by the City.



RFP No. 681

Revised Fee Proposal Form

APPENDIX "E"

The following fee is proposed to perform the duties, responsibilities and obligations as described in the Request for Proposals for the Relocation of the Hoyt-Barnum House Stamford, CT. The project shall be proposed under a lump sum fee.

PROPOSED LUMP SUM FEE:

HISTORIC STRUCTURES REPORT	\$ 36,730.00
SCHEMATIC DESIGN/ DESIGN DEVELOPMENT	\$ 38,606.00
CONTRACT DOCUMENTS (Drawings & Specifications)	\$ 53,203.00
BIDDING	\$ 2,480.00
CONSTRUCTION ADMINISTRATION	\$ 19,600.00
ESTIMATING	\$ 6,920.00
SCHEDULES	\$ 2,000.00
REIMBURSABLES (NOT TO EXCEED)	\$ 4,033.00
ADD SERVICES (not included in total): Probes & Geotech Drilling:	\$8,900.00
TOTAL FEE	\$ 163,572.00

WRITTEN FEE One hundred sixty three thousand five hundred seventy two dollars.

Authorized Signature: 

Date: July 30, 2015

Name: Christopher Williams

Phone: 203-776-0184

Title: Principal / Firm Owner

Email: cwilliams@cwarchitectsllc.com

Company Name: Christopher Williams Architects LLC

Address: 85 Willow Street, Building 54 New-Haven, CT-06511

Federal Tax ID # 06-1608488



CITY OF STAMFORD — HOYT-BARNUM HOUSE

5. Hourly Rates



CHRISTOPHER WILLIAMS ARCHITECTS:	
Principal	\$150.00
Project Manager	\$120.00
Architect	\$100.00
Architectural Designer	\$ 95.00
Draftsperson	\$ 75.00
Interior Designer	\$100.00

PUBLIC ARCHAEOLOGY LABORATORY:	
Sr. Architectural Historian	\$110.00
Architectural Historian	\$80.00
Architectural Assistant	\$50.00
Technical Editor	\$82.00
GIS/CAD Specialist	\$73.00

INTERNATIONAL CHIMNEY CORPORATION:	
Corporate Principal	\$240.00
Chief Engineer	\$240.00
Design Engineer	\$205.00
Sr. Project Manager	\$185.00
Staff Engineer	\$185.00
Project Manager	\$145.00

FREEMAN COMPANIES:	
Principal Engineer (site/civil/geotech)	\$225.00
Project Director	\$180.00
Principal Landscape Architect	\$225.00
Project Director (LA)	\$180.00

EDWARD STANLEY ENGINEERS:	
Principal	\$235.00
Project Manager	\$195.00
Engineer	\$115.00
CAD Technician	\$105.00

CB BREEN ASSOCIATES ENGINEERS:	
Principal	\$235.00
Project Manager	\$195.00
Engineer	\$115.00
CAD Technician	\$105.00

JLC PRECONSTRUCTION & ESTIMATING SERVICES:	
Chief Estimator	\$150.00

