

## FIRM PROFILE

Noble Preservation specializes in the preservation, restoration and rehabilitation of historic properties and the conservation of building materials. We offer a wide range of services to architects, institutions, organizations, contractors and building owners. Our services are not limited to one particular area, but include a breadth of disciplines related to historic preservation: architectural conservation, graphic documentation, historical research, building investigation and investment tax credit consultation.

Our offices and conservation laboratory are in Berks County, Pennsylvania, centrally located between Philadelphia, Harrisburg, New York City and the Baltimore-Washington Metropolitan area.

All staff members are academically trained in architectural history, which forms the basis for our approach to historical research. Our services include assembling National Register Nominations, National Historic Landmark Nominations, building histories, local and regional surveys, as well as research on deeds, wills and inventories.

Noble Preservation offers complete building diagnostics to analyze material problems and design appropriate conservation solutions. Our studies integrate on-site investigations, analysis in our architectural conservation laboratory, and cooperative research with Lehigh University and the University of Pennsylvania. We regularly complete analyses for masonry, paints and coatings, mortar, plaster and stucco, wood and metals.

Our projects synthesize and interpret historical and technical evidence gathered through research, diagnostics and testing to develop useful documents and plans such as Historic Structures Reports, building maintenance plans, Historic Building Preservation Plans, Adaptive Use plans, specifications, analytical reports and conservation studies. Each document is geared toward the goals and budget of each individual client and the needs of each individual property.

We regularly assist clients in securing investment tax credits for historic properties and in completing Section 106 documentation. Our staff is experienced in interpreting the Secretary of the Interior's *Standards for Rehabilitation* and the regulations governing state and federal involvement in historic preservation projects. Some of our services include design consultation for Investment Tax Credit certification applications, pre- and post-construction documentation, Section 106 compliance and negotiation with federal, state and local agencies.

## BACKGROUND

We are a professional firm dedicated to the preservation of historic architecture. Our projects range in scale and scope, from the rehabilitation of urban rowhouses to the restoration of major civic monuments, and from standard mortar and paint analyses to comprehensive conservation programs. Staff members possess years of professional experience and academic training in disciplines critical to understanding all aspects of historic preservation and communicating their importance: historical and archival research, construction, materials conservation, graphic documentation and report generation.

Our staff is technically proficient in the analysis and preservation of all types of building materials, including masonry, paints and finishes, wood, metals and architectural ceramics. We offer comprehensive technical services including sampling, laboratory examination, building investigation and analysis, treatment mock-ups, conservation treatment and treatment monitoring. Though practical experience with building systems is an important component of what we do, we also strive to remain on the cutting edge of preservation technology to offer our clients straightforward analyses without unnecessary subcontracting. We own a battery of diagnostic equipment, including probing and non-destructive moisture meters to evaluate potential problems at and beneath the surface, reflected-light and polarized-light microscopes to complete materials analysis, a borescope to visually assess conditions within a structure, a digital chroma meter to provide precise color assessment, portable pH meters to identify acidic and alkaline conditions, and a full conservation laboratory for wet chemical experimentation, testing and accelerated weathering. Our staff is proficient in the analysis of conservation treatments marketed by quality manufacturers, and is able to design custom treatments as required, such as cleaning poultices and replication mortars, plasters and stuccoes. Cooperative agreements with Lehigh University and the University of Pennsylvania enable us to provide clients with advanced technical analyses presented in understandable manners. By combining our research-based investigations with scientific methods and world-class institutions, Noble Preservation provides reliable and state-of-the-art building preservation services.

Members of our staff have been certified to test and perform cleaning with the JOS<sup>®</sup> system. In many applications, this micro-abrasive vortex cleaning process is superior to chemical cleaners, pressure washing and conventional blasting because it attacks dirt on the surface of a material without introducing health and environmental hazards, compromising the surface or subjecting it to large amounts of water. Our JOS<sup>®</sup> technology is available for cleaning test mock-ups and small applications only; large-scale operations are conducted by select qualified contractors.

We typically work with architects, institutions, museums, governments and private developers to resolve complex issues involving the restoration, conservation, interpretation and certification of properties for government tax credits. In addition to preparing necessary documentation, we will also compose specifications and assist with project administration. All of our documents are produced on in-house computer systems attached to high-resolution scanners and printers. By managing the presentation of all information from beginning to end, our office tailors all work to the specific needs of the client and produces self-contained, straightforward reports.

## STAFF

### *Timothy M. Noble, President*

Tim has been involved in restoration in private practice for more than two decades, having completed projects involving conservation, historic research, graphic documentation, design, rehabilitation, financing and management. He holds an M.S. in Historic Preservation from the University of Pennsylvania (1983) and a B.A. from Penn State (1974), and was recently recognized as a Professional Associate in the American Institute of Conservation. Tim founded Noble Preservation in 1992 after serving as owner, principal, and president of Clio Group, Inc. (1983-1992). His professional experience also includes design consultation for Knoll International, the development and restoration of historic properties and the conservation of antique furniture and musical instruments. Tim's work has received citations from the PA Bureau for Historic Preservation, Preservation Pennsylvania, and the Art Commission of New York City.

### *Philip E. Pendleton, Senior Associate*

Phil possesses an extensive professional and academic background in history, architectural history and historic preservation, having completed projects ranging from National Register nominations, to HABS-HAER documentation, to rural historic landscape studies. With an MA in History from the University of North Carolina and a BA in History from Washington & Lee University, Phil's expertise focuses on architectural history and history. His work with A.D. Marble & Company, Inc., Louis Berger Group, Inc., Oley Valley Heritage Association and various preservation organizations has resulted in an extensive background in many types of preservation work.

### *Douglas Scott, Associate*

Doug possesses a diverse background in historic preservation, having completed projects in Cultural Resource Management ranging from Section 106 Documentation to historic interpretive exhibits. With an M.F.A. in Historic Preservation from Savannah College of Art and Design (2000) and a B.A. in Archaeology from The Ohio State University (1996), Doug's expertise focuses on architectural history and documentation. His work with Hunter Research, Inc, Trenton, NJ, Thomasville Landmarks, Thomasville, GA and numerous preservation organizations has resulted in a well-balanced background in many types of preservation activities.

## SERVICES

Noble Preservation is a specialized consulting firm that provides a range of professional services relating to the preservation of historic properties.

As experienced architectural conservators, we offer project-specific technical consultation to architects, institutions and building owners who require long-term solutions to material problems. We feature an in-house architectural conservation laboratory to assist with material analyses and treatment assessments. Our staff possesses years of experience with the conservation of historic masonry, wood, metals and finishes.

Using historical research and our knowledge of historic building technology, we provide clients both insight into the evolution of their properties and guidance for restoring and maintaining them.

We have established a solid track-record in investment tax credit consulting which spans nearly two decades, and our rehabilitations have received numerous city, state and federal awards. Noble Preservation provides comprehensive assistance from start to finish, including design consultation, photographic documentation and negotiation with local, state and federal agencies.

*Client references for all specializations available upon request.*

## HISTORIC PRESERVATION

Preserving, conserving or restoring an historic resource is often complicated and challenging. Preparing different types of documents to meet the criteria of a given project requires a combination of skills from a variety of professional backgrounds. These include professional disciplines in history and building technology, a knowledge of the various resources available to owners of historic buildings, an ability to balance theory and practice, experience with solving complex problems and the ability to communicate issues effectively.

Each member of our staff has a Masters' Degree in Historic Preservation and a significant amount of professional experience with projects ranging from documentary research and historical assessment to materials analyses and construction supervision. Therefore, we are equipped to address many different questions and issues in-house.

Noble Preservation designs each project to satisfy the needs and budget of each property and client. Historic Structures Reports (HSRs) are the most widely-used and practical of our preservation documents. Typically, HSRs involve historical research, an assessment of significance, on-site and laboratory investigations and consultation with a project architect/owner to formulate a guide to preserve, conserve or restore a given property.

National Register Nominations may be used both to distinguish historic properties *and* to help secure federal tax credits or other funding. The nomination process generally consists of surveying and documenting the property, conducting archival research, investigating materials conditions and evaluating the property's significance and integrity within a comprehensive report.

National Historic Landmark Nominations are reserved for properties with national cultural, political, social or architectural significance. Like National Register Nominations, they are also used to secure project funding, and can open the door to even more distinction and opportunity. Our Historic Building Preservation Plans (HBPP) have been used to address specific project components, such as the restoration of decorative schemes or ornamental elements. Typically, they integrate a fundamental understanding of a scheme or element as relates to the significance of a particular property.

Our experience in preparing these and other preservation planning documents have helped us develop a sound and efficient methodology for undertaking such projects using in-house staff and equipment.

### *Documentary Services*

Historic Structures Reports and Updates  
National Register Nominations  
National Historic Landmark Nominations  
Historic Building Preservation Plans  
Archival Research  
Photographic Documentation  
HABS Photographic Documentation

### *Building Investigation*

Materials Analyses  
Conditions Surveys  
Borescopic Investigation  
Hygrothermographic Evaluation  
Sampling

## INVESTMENT TAX CREDIT CONSULTING

Noble Preservation offers design consultation for the adaptive reuse of historic properties. We typically act as a liaison between developers, housing officials, architects and government agencies (such as State Historic Preservation Offices and the National Park Service) to ensure that proposed designs meet provisions set forth in the Secretary of the Interior's *Standards for Rehabilitation* while also meeting the financial constraints of the project.

Our experience with the *Standards* provides substantial dividends for our clients, a fact which makes the rehabilitation of many properties feasible in the first place. Participation in hundreds of certified rehabilitations throughout the United States qualifies us to address virtually any historic issue regardless of property type, scale or proposed re-use.

Our office provides basic services such as complete pre-eligibility and post-construction photographic documentation, property certification through National Register Nominations and the completion of Certified Rehabilitation applications. One of the most valuable services we can offer ITC clients is assistance in the design process, to identify significant historic features and spaces - and to work with the architect/ owner to integrate them into the rehabilitation design. By consulting on proposed designs before they are submitted, we save our clients time and money, significantly decreasing the amount of time required to negotiate with state and federal agencies.

Noble Preservation's certified rehabilitation projects have received acclaim from government agencies and private preservation groups alike. We have successfully guided rehabilitation projects in New Jersey, New York, Rhode Island, Maryland, Florida, Illinois, Minnesota and our home state of Pennsylvania.

## CONSERVATION STAFF

Preservation technology is nothing without a sound understanding of why buildings and materials are significant historically and architecturally. Architectural conservation therefore requires a sound knowledge of history, architecture, materials and building systems as well as an understanding of analytical technology and treatment options. Members of our staff have degrees in history and historic preservation, experience in carpentry and contracting, and practice in accordance with the Code of Ethics as defined by the American Institute for the Conservation of Historic and Artistic Works. Accordingly, each conservation project is thoroughly researched and documented at every stage of our involvement.

## NPS ARCHITECTURAL CONSERVATION LABORATORY

Our architectural conservation laboratory is a comprehensive testing facility which enables us to complete a full range of building materials analyses and treatment programs. Simply stated, we become heavily involved at every stage of analysis rather than subcontract analysis to outside firms. Our conservation projects typically employ a full range of *in house* equipment to diagnose problems and develop cost-effective, long-term solutions for historic building materials:

- Carl Zeiss® universal polarized light microscope capable of 1000x magnification with photographic attachments for documentation of thin sections
- Olympus® Stereo Zoom reflected light microscope capable of 105x magnification with Nikon® photographic attachments for building materials documentation
- Minolta® Chroma Meter for precise digital color designations
- Lignomet® Lignomaster for calibrated moisture content readings of in situ building materials
- Olympus® Borescope with video capability for non-destructive investigation within concealed areas
- Portable pH meters for assessments of acidity
- Jedrzejewska calcimeter for sophisticated mortar and plaster analyses
- Wet chemistry laboratory equipment for micro-chemical characterization, analysis and treatment evaluation including a fume hood, an industrial grade oven, digital scales, desiccation and observation chambers, ultraviolet radiation lamps, probing tools and wet chemical surfaces.

Relationships with Lehigh and Penn provide us access to advanced analytical techniques such as SEM, EDS, XRD, X-Ray mapping, FTIR, DTA and GC/MS. Because our conservation staff works directly with analytical technicians, we ensure that practical and reliable information is obtained for each project.

## ANALYTICAL AND TESTING SERVICES

NPS offers a broad range of analytical and testing services to characterize building materials and diagnose causes of deterioration. Using a combination of laboratory and field work, we regularly investigate masonry, mortars, plasters and stucco, surface finishes, wood, metals and architectural ceramics. Available services include:

### *Masonry*

- Conditions Assessments
- Petrographic Characterization
- Colorimetry
- Deterioration Analysis
- Porosity and Permeability
- Water Absorption Capacity
- Water Vapor Transmission
- Soluble Salt Analysis
- Pollutant Analysis

### *Wood*

- Conditions Assessments
- Species Identification
- Deterioration Analysis
- Moisture Mapping

### *Metals*

- Conditions Assessments
- Characterization
- Corrosion Analysis
- Compatibility Analysis

### *Surface Finishes*

- Conditions Assessments
- Stratigraphic Paint Analysis
- Pigment/Binder Characterization
- Colorimetry
- Deterioration Analysis
- Adhesion Testing
- pH Mapping

### *Mortar, Plaster and Stucco*

- Conditions Assessments
- Characterization of Constituents
- Colorimetry
- Deterioration Analysis
- Moisture Mapping
- pH Mapping
- Porosity and Permeability
- Water Absorption Capacity
- Water Vapor Transmission
- Soluble Salt Analysis
- Pollutant Analysis

Frequently, we will perform the above services as a prelude to conservation treatment. Many techniques are also available to assess the effects of treatments.

## TREATMENT TECHNOLOGY

We strive to remain up-to-date on all techniques and technologies, which enhance the performance and longevity of historic building materials. In accordance with acceptable standards of practice, potential treatments are always tested and analyzed before being applied to historic building material. Our office has completed projects, which involve the restoration, replication, cleaning, stabilization and design of historic building materials:

### *Masonry*

- Interpretation and Significance
- Cleaning Treatments/Evaluation
- Consolidation/Evaluation
- Water Repellents/Evaluation
- Metallic Stain Removal
- Composite Repair and Patching
- Structural Repair

### *Mortar, Plaster and Stucco*

- Interpretation and Significance
- Binder/Aggregate Matching
- Replications
- Repointing
- Repair
- Consolidation/Evaluation

### *Surface Finishes*

- Interpretation and Significance
- Color Matching
- Cleaning Treatments/Evaluation

### *Wood*

- Interpretation and Significance
- Structural Repair/Replacement
- Consolidation/Evaluation
- Preservatives/Evaluation
- Water Repellents /Evaluation

### *Metals*

- Interpretation and Significance
- Corrosion Removal
- Protective Coatings/Evaluation

## SELECTED REPRESENTATIVE PROJECTS

### **Historic Structures Reports**

Cornwall Iron Furnace, Cornwall, PA  
Boone-DeTurk House, Birdsboro, PA  
Landis Valley Hotel, Lancaster, PA  
Ephrata Cloister, Ephrata, PA  
Conrad Weiser Homestead, Womelsdorf, PA  
Long House, Hope, NJ  
Eastern State Penitentiary Administration Building, Philadelphia  
United States Customs House, Philadelphia  
Selma Mansion, Norristown, PA  
Henry Antes House, PA  
Roberts House, Montgomery County, PA  
William Trent House, Trenton  
Claus Rittenhouse Home, Philadelphia  
Rittenhouse Outbuilding, Philadelphia  
Cornwall Iron Furnace, Cornwall, PA  
Bergey House, Montgomery County, PA  
Old Economy Village, Ambridge, PA:  
    The Grotto  
    George Rapp House  
    Granary  
    Feast Hall  
    Mechanics Building  
    The Store  
Brothers' House Complex at Landis Valley Museum, Lancaster, PA

### **National Register Nominations**

Dixie Cup Factory, Easton, PA  
Ephrata Cloister, Ephrata, PA  
Hedge-Carpenter-Thompson Historic District, Salem, NJ  
Conrad Weiser Homestead, Womelsdorf, PA  
Long House, Hope, NJ  
Landis Valley Hotel, Lancaster, PA  
Riviera Apartments, Baltimore, MD  
Eastern State Penitentiary  
River Street School, Red Bank, NJ  
Administration Building, Philadelphia  
Livingston Avenue District, New Brunswick  
United States Customs House, Philadelphia  
Villa Maria School, Erie, PA  
Henry Antes House, PA  
David Rittenhouse School, Norristown, PA  
Roberts House, Montgomery Co., PA

North Scranton Jr. High, Scranton, PA  
William Trent House, Trenton  
Fairmount Apartments, Jersey City, NJ  
Claus Rittenhouse Home, Philadelphia  
Lake Drive Apartments, Baltimore, MD  
Rittenhouse Outbuilding, Philadelphia  
Daniel Boone House, Birdsboro, PA  
Cornwall Iron Furnace, Cornwall, PA  
Bergey House, Montgomery County, PA

### **National Historic Landmark Nominations**

Old Economy Village, Ambridge, PA:  
Henry Antes House, PA  
    The Grotto  
Rittenhouse Town District, Philadelphia  
    George Rapp House  
    Granary  
    Feast Hall  
    Mechanics Building  
    The Store  
    Baker House  
Grey Cottage, Nazareth, PA  
Brothers' House Complex, Landis Valley, PA

### **Materials Conservation Studies**

WV State Capitol, Charleston, WV  
Iowa State Capitol, Des Moines, IA  
PA State Capitol, Harrisburg, PA  
Curtis Institute of Music, Philadelphia, PA  
U.S. Custom House, Philadelphia, PA  
Barnes Foundation, Merion Station, PA  
Eastern State Penitentiary, Philadelphia, PA  
Fairmount Water Works, Philadelphia, PA  
Irvine Auditorium, U. of Penn., Philadelphia, PA  
Historical Society of Pennsylvania, Philadelphia, PA  
30<sup>th</sup> Street Railroad Bridge, Philadelphia, PA  
Camden Federal Court House, Camden, NJ  
Macomb's Dam Bridge, New York, NY  
Slateford Farmhouse, Slateford, PA  
Palace Theatre, Greensburg, PA  
Cumberland County Court House, NJ  
Henry Antes House, PA  
Bergey House, Montgomery County, PA  
Berks County Court House, Reading, PA

Dougherty Hall, U. of DE, Newark, DE  
Packer Chapel, Lehigh U., Bethlehem, PA  
Packer Mansion, Lehigh U., Bethlehem, PA  
Packer Memorial Hall, Lehigh U., Bethlehem, PA  
Moravian Pottery and Tile Works, Doylestown, PA  
Hoffman Library, Bard College, New York, NY  
All Wars Memorial, Phila, PA  
Stover's/Myers' Mill, Solebury, PA  
Allentown Post Office, Allentown, PA  
College Hall, U. of Penn., Philadelphia, PA  
Pittsburgh Post Office, Pittsburgh, PA  
Louis Hall, U. of Penn, Philadelphia, PA  
Hopewell National Historic Site, PA  
Claus Rittenhouse Home, Philadelphia, PA  
Milford La Chamarre Sculpture  
Old Economy Village, Ambridge, PA  
Founders Hall, Haverford College, Haverford, PA  
Atlantic City Convention Center, NJ  
Rockland Mansion, Philadelphia, PA  
Haverford College, Haverford, PA

### **Investment Tax Credit Consulting Projects**

Stegmaier Brewing Company Bottling House: Wilkes-Barre, PA  
Mt. Vernon House Hotel: Easton, PA  
St. Lukes Hospital: Cleveland, OH  
Dixie Cup Factory: Easton, PA  
Reservoir Hill Historic District: Baltimore, MD  
Goggleworks: Reading PA  
Abraham Lincoln Hotel: Reading, PA  
McFarland Press Building: Harrisburg, PA  
Salem Rehabilitations/Hedge-Carpenter-Thompson Historic District: Salem, NJ  
North Scranton Junior High School: Scranton, PA  
Hanover Shoe Factory: Hanover, PA  
W. Diamond Street Properties: Philadelphia, PA  
Blue Anchor: Burlington, NJ  
West Electronics: Burlington, NJ  
Von Louhr Apartments: Philadelphia, PA  
Regent/Rennoc Apartments: Philadelphia, PA  
Academy Street Properties: Trenton, NJ  
Hanover Street Properties: Trenton, NJ  
Allison Hill Properties: Harrisburg, PA  
232-234 North Second Street: Philadelphia, PA  
Baltimore Court Apartments: Philadelphia, PA  
Villa Maria Academy: Erie, PA  
Doylestown Inn: Doylestown, PA  
Wyomissing Club: Reading, PA

Riviera Apartments: Baltimore, MD  
Forest Park Senior Center: Baltimore, MD  
Orr's Department Store: Bethlehem, PA  
Coatesville HOPE VI Rehabilitations: Coatesville, PA  
The Chateau, Baltimore: Baltimore, MD  
Jefferson Elementary School: Pottstown, PA  
Bethlehem Steel Merchant Mill #2: Bethlehem, PA  
Lancaster Arts Hotel: Lancaster, PA  
Riviera Apartments: Baltimore, PA  
Acme Warehouse: Philadelphia, PA  
Vernon House Apartments: Philadelphia, PA  
Pomeroy's Department Store: Easton, PA  
Bethlehem Silk Mill: Bethlehem, PA

***Project Focus:***

***Ephrata Cloister:***

***Ephrata, PA (1998-2000)***

***Historic Structures Reports***

As one of the country's earliest and most influential religious communities, the Ephrata Cloister is a unique collection of mid-eighteenth century Germanic buildings that stand as a testament to the beliefs and convictions of its founder, Conrad Beissel. The surviving eighteenth century resource – a collection of eleven buildings ranging from the a 4-story communal dormitory to small solitary houses – are now owned and operated by the Pennsylvania Historical and Museum Commission, and is considered one of the premiere historical sites in the state. Noble Preservation, as a consultant to the Marianna Thomas Architects/Perfido Weiskopf Architects Joint Venture, is currently working on completing a comprehensive, multi-volume HSR for nine of the site's eleven historic buildings.

One of the most challenging aspects of this project has been determining the original appearances, configurations, and functions of these eighteenth century buildings. Over one hundred and fifty years of change and neglect, coupled with two extensive restoration campaigns, has obscured much of the original fabric in these buildings. As a result, one of the first steps in the HSR research was to identify surviving original fabric.

Researchers also located an invaluable collection of sketches and notes from G. Edwin Brumbaugh, the site's earliest restoration architect, that documented the pre-restoration conditions of the Cloister. Using these sketches in conjunction with field investigations and laboratory analyses, investigators have been able to not only judge the quality of past restorations, but also, and more importantly, document the original floor plans.

Perhaps the most important component relating to the future interpretation and restoration of the Cloister rests on the question of original use. By recreating the eighteenth century floor plans, analyzing the original layout of the community, and understanding the typology of early Germanic buildings in Pennsylvania, we offered alternatives to the traditional interpretation of the Cloister buildings that challenge and re-define the conventional notions of how this religious community functioned. For example, the Almonry has historically been interpreted as a community bakery, hostel for visiting guests, and center for giving "alms" to the needy. Investigators have now suggested that, based on its design and highly specialized spaces, the Almonry was a community work center that was directly associated with the Saal/Saron complex.

***Project Focus:***

***The Henry Antes House:***

***Montgomery County, PA (1994-2000)***

***Historic Structures Report, National Historic Landmark  
Nomination, Construction Supervision***

The 1736 Henry Antes House is significant for its association with Henry Antes, an important religious, political and social leader who served as the chief architect/master builder for the Moravian Community in the 18th century. With remarkable integrity, the building and its associated site constitute one of the finest examples of the Germanic building tradition in the Commonwealth of Pennsylvania.

Working with Goschenhopp Historic Preservation, Inc., Noble Preservation first successfully nominated the property as a National Historic Landmark, then completed an Historic Structures Report (HSR) which now guides the restoration philosophy for the building and has led to more than \$300,000 in additional funding. The three-volume document provides a complete history of the building's ownership and evolution of the property, as well as an extensive catalog of archival resources and HABS-quality photographic documentation.

Since 1994, Noble Preservation has been involved in coordinating restoration activities at the Antes House. Tim Noble designed and supervised the installation of a temporary exterior unit which protected the building during replacement of the roof. Our office has guided sensitive repairs to historic building fabric, and plans to conduct additional research, investigation and supervision as work continues in the early part of 2000.

***Project Focus:***

***The Pennsylvania Capitol:  
Harrisburg, PA (1996-2002)  
Masonry Conservation, Waterproofing,  
Specifications Consultation,  
Construction Supervision***

The capitol is a spectacular symbol of the Commonwealth, and arguably one of the most significant buildings in Pennsylvania. Built in 1906, its rich detail and exquisite ornamentation testify to Pennsylvania's wealth and importance at the turn of the 20th century.

The building is defined by the dignified lines and features of the Classical Revival with Beaux Arts ornamentation. Architect Joseph Huston executed this monumental work in Woodbury (VT) gray granite, anchoring the building with strong foundations, arranging it in ashlar blocks across every facade, carving it into elaborate pilaster and column capitals, turning it into slender balusters at roof level, and creating with it distinctive lines of light and shadow which accentuate a monolithic masonry surface. Over the course of the century, weathering and a series of ill-advised treatments have compromised the stability of the stone and the aesthetic integrity of the building.

As a partner in Perfido Weiskopf/Graves/Noble Joint Venture, Noble Preservation designed and completed a masonry conservation study which formed the basis for repointing, waterproofing, cleaning and repairing more than 400,000 square feet of granite in preparation for the re-dedication of the building to the Commonwealth in honor of its centennial celebration. Our pre-construction work consisted of surveying the entire building for deterioration mechanisms, conducting laboratory experimentation/ examination on stone samples and constructing/ assessing in-situ mock-ups for potential conservation treatments. After completing the study, our office composed specifications for the project, assisted in reviewing qualifications and contractor selection, and has been actively involved in supervising all masonry work.

Noble Preservation's work at the capitol has expanded to include designing and managing the restoration/ conservation of the Commonwealth Statue, investigations in the Governor's and Lieutenant Governor's Offices, and designing/ supervising temporary systems to protect historic materials in the House of Representatives and Senate Chambers.

***Project Focus:***

***Irvine Auditorium, University of Pennsylvania:***

***Philadelphia, PA (1996-1999)***

***Finishes Conservation, Specifications Consultation,  
Construction Supervision***

Vibrant, decorative finishes characterize the vaulted interior of Horace Trumbauer's 1926 Irvine Auditorium at the University of Pennsylvania. Through the years, Irvine hosted countless concerts and dramatic performances before falling into disrepair and out of useful service. The restoration of this magnificent space to its historic grandeur is part of the University of Pennsylvania's long-term program for the Perleman Quadrangle.

Artists originally used casein paints applied in templated and free-hand patterns both for plaster wall surfaces and Celotex ceiling panels. Noted for their hardness, brittleness and deep colors, these finishes originally provided rich, saturated tones to bring the unique decorative patterns alive. Prior to their restoration, many of the decorative finishes had deteriorated due to water infiltration, detachment, abrasion and inappropriate re-painting materials.

As consultants to Venturi, Scott Brown and Associates, Noble Preservation undertook an exhaustive study to characterize historic finishes and to diagnose problems with those finishes and their substrates. On-site investigation and laboratory evaluation established that a multi-faceted treatment program was necessary to stabilize delaminating finishes, resaturate intact existing finishes and repair areas where finishes had been lost or over-painted. Our office wrote specifications for conserving and restoring original finishes, and then worked with VSBA during construction to ensure that appropriate color, texture and sheen matches were obtained for all work.

Modern casein paints are readily available from a number of manufactures, but their use is complicated by extended drying times, poor adhesion and subjectivity to biological growth. After a series of mock-ups completed prior to construction, the project team decided to modify modern casein paints with acrylic additives to enhance the adhesion and durability of the restored finishes without compromising the low sheen or richness of color of the historic finishes.

Additionally, our office also established programs and specifications for the restoration of original lighting, marble and brass appointments, fine woodwork and masonry.

***Project Focus:***

***Rodale Organic Gardening Experimental Farm:***

***Emmaus, PA (1997-1999)***

***National Register Nomination, National Landmark***

***Nomination (Forthcoming)***

The Rodale Organic Gardening Experimental Farm in Lower Macungie Township, Lehigh County, Pennsylvania, is significant for its associations with J.I. Rodale (1898-1971), an early proponent of organic gardening and farming in the twentieth century. Working from the home, office, and laboratory he established on the Farm, J.I., and later, his son Robert, played a definitive role in introducing the theories and principles of organic horticulture and agriculture to the public through his numerous publications, particularly *Organic Gardening* and *Prevention*.

The principles Rodale promoted as his life's work - organic food production, healthy lifestyles, and soil and open space preservation - were all part of the inception of the larger environmental movement witnessed today. Rodale was among a handful of individuals who can be credited with bringing about the environmental awareness of the late twentieth century. The property's period of significance begins with J.I.'s purchase of his farm in 1940 and ends with his death in 1971.

The Farm is one of the few properties in the state that is less than 50 years old to have been included in the National Register - an exception to the "50 year rule" was made in light of its significance.

Our National Register Nomination for the property was approved by the National Park Service in 1999, and we are planning to prepare a National Historic Landmark Nomination in the near future.

***Project Focus:***

***Salem Rehabilitations/Hedge-Carpenter-Thompson Historic District:***

***Salem, NJ (2000 - )***

***Investment Tax Credit Consultation, National Register Nomination***

The Hedge-Carpenter-Thompson (HCT) Historic District is an intact collection of mid-nineteenth through mid-twentieth century worker's homes along Hedge, Carpenter, and Thompson streets in the southwestern corner of Salem City. The architecture of this district spans ninety years from 1848 to 1940 and represents a continuum of stylistic influences applied to local vernacular house forms in this local working class community. As the first neighborhood to develop south of Broadway, the HCT Historic District developed in response to the economic and industrial growth of Salem City in the mid and late nineteenth century. The three main architectural periods represented in this nine-block historic district illustrate the vernacular, local interpretation of styles popular in the mid-Atlantic states in the 19<sup>th</sup> and early 20<sup>th</sup> centuries.

The rehabilitation of the twin and single-family homes will create badly needed affordable housing within the city. It will save a local neighborhood that, after years of neglect, has been poorly maintained and is a blight on the city. Not only will this project restore this neighborhood to make it visually more attractive along the Salem streetscape, but it is also expected to foster additional development in the downtown Salem area.

Working closely with the NJ Historic Preservation Office and the National Park Service's Heritage Preservation Services division, the project team developed plans and specifications that followed the Secretary of the Interior's *Standards for Rehabilitation* to utilize the NPS' Investment Tax Credit Program. As part of the rehabilitation, original clapboard, window sashes, trim, and other character-defining features were salvaged and re-used in the rehabilitated buildings.

***Project Focus:***

***Abraham Lincoln Hotel/Lincoln Plaza Hotel and Conference Center  
Reading, PA (1997-1999)***

***Investment Tax Credit Consultation, Adaptive Re-use***

The Abraham Lincoln Hotel is an impressive 1930 Art Deco hotel in the center of downtown Reading, Berks County, PA. Built by W.L. Stoddard of New York City for the Reading Hotel Corporation, this hotel is culturally and architecturally significant to the City of Reading as an outstanding example of an early twentieth century hotel and one which became a social anchor within the city. Typical amenities included a barber shop, bar, restaurants, ballrooms and over 300 guest rooms. In the mid-twentieth century, the hotel fell into disrepair despite campaigns in the 1960s and 1970s to rehabilitate the building as a hotel and as housing. In the early 1980s, the building was abandoned due to code violations that rendered the structure unsafe.

In 1991 Pennrose Properties, Inc. began plans to purchase and rehabilitate building into a hotel/conference center/elderly housing destination in urban Reading. The project developed as a phased adaptive re-use project with estimated costs of approximately \$12 million, of which the National Park Service's Investment Tax Credits were a big part. The broad scope of work included exterior masonry restoration, repair or in-kind replacement of the original windows, repaired original bronze storefronts and marquee. The interior program was based on the adaptive re-use requirements and included life safety, code, and ADA upgrades to both public and private spaces, the installation of new elevators, removal of modern finishes in lobbies, bar, and restaurant to restore to their original appearance, repair and in-kind replacements of original wood trim and plaster details in all rooms, and restoration of the main ballroom.

The completed project included hotel and conference space as well as 51 units of affordable senior housing. This outstanding adaptive re-use won several awards for both its contributions to the City of Reading and for its quality preservation work: City of Reading, Pennsylvania Official Commendation *In Appreciation of a Significant Contribution to the Preservation of Reading's Architectural Heritage*, Federal Home Loan Bank System 1998 *Community Partnership Award*

Mayor Haggerty, and Mayor of Reading 1999 *Mayoral Recommendation for Outstanding Preservation*.

## **SELECTED REPRESENTATIVE PROJECTS**

**Pennsylvania Capitol**, Harrisburg, PA, 1997-2004  
**Iowa Capitol**, Des Moines, IA, 2002-2004  
**Haverford College Getty Grant Program**, Haverford, PA, 2002-2004  
**Newark City Hall**, Newark, NJ, 2003-2004  
**Historical Society of Pennsylvania**, Philadelphia, PA, 1997-1998  
**Morrill Hall at Iowa State University**, Ames, IA, 2003-2004  
**Clara Barton Apartments**, Washington, DC, 2003-2004  
**Rayne United Methodist Church**, New Orleans, LA, 2002  
**Carnegie Library**, Atlantic City, NJ, 2001-2002  
**The Legendary Blue Horizon**, Philadelphia, PA, 1999-2003  
**Irvine Auditorium at the University of Pennsylvania**, Philadelphia, PA, 1997-1999  
**Cochran Hall at Allegheny College**, Meadville, PA, 2004  
**Cassatt House**, Philadelphia, PA, 2000-2002  
**William Keith House at Graeme Park**, Horsham, PA, 1999-2000  
**S.W. Bowne Hall at Drew University**, Madison, NJ, 2000  
**Baker Library at Dartmouth College**, Hanover, NH, 2000  
**Saint Thomas Episcopal Church**, Fort Washington, PA, 2000-2001  
**Williamson Free School for Mechanical Trades**, Media, PA, 2002-2003  
**Hunt House**, Lawrence Township, NJ, 2002  
**Sitterly House at Drew University**, Madison, NJ, 2000  
**Cassatt House**, Philadelphia, PA, 2000-2002  
**Conrad Weiser Homestead**, Womelsdorf, PA, 1999-2001  
**Landis Valley Museum**, Landisville, PA, 1999-2003  
**Ironmaster's Residence at Curtin Village**, 2002  
**Victorian Neely House**, New Hope, PA, 2001  
**Amos Judson House**, Waterford, PA, 1999-2000  
**Camden United States Courthouse**, Camden, NJ, 1999  
**Roberts Road Properties at Bryn Mawr College**, Bryn Mawr, PA, 2002  
**Tower at Fair Park**, Dallas, TX, 2001  
**Music and Morgan Buildings at the University of Pennsylvania**, Philadelphia, PA, 2000  
**The Palestra at the University of Pennsylvania**, Philadelphia, PA, 2000  
**Houston Hall at the University of Pennsylvania**, Philadelphia, PA, 1997-1999  
**Palmer Hall at Princeton University**, Princeton, NJ, 1998-1999  
**Ephrata Cloister**, Ephrata, PA, 1998-2000  
**Aiken-Rhett House**, Charleston, SC, 1996-1997  
**Charleston Powder Magazine**, Charleston, SC, 1996  
**Tibwin Plantation**, McClellanville, SC, 1996  
**Hanna House (Frank Lloyd Wright)**, Palo Alto, CA, 1996  
**Bazett-Frank House (Frank Lloyd Wright)**, Hillsborough, CA, 1996  
**Tracy House (Frank Lloyd Wright)**, Seattle, WA, 1996  
**Brandes House (Frank Lloyd Wright)**, Issiquah, WA, 1996  
**Allentown National Bank Building Rehabilitation**, Allentown, PA, 2004  
**Salem Rehabilitations**, Salem, NJ, 2000-2004  
**The Chateau Rehabilitation**, Baltimore, MD, 2001-2004  
**Jefferson Elementary Rehabilitation**, Pottstown, PA, 2001-2004  
**Academy Street/East Hanover Street Rehabilitations**, Trenton, NJ, 1997-2002  
**Allison Hill Rehabilitations**, Harrisburg, PA, 1998-2001  
**Hanover Shoe Factory Rehabilitation**, Hanover, PA, 1997-2000  
**6000 Baltimore Avenue Rehabilitation**, Philadelphia, PA, 1998-1999

***Project Focus:***

***Cassatt House/The Library Company of Philadelphia  
Philadelphia, PA (2000-2001)***

***Adaptive Re-use, Materials Analysis and Conservation***

The Cassatt House is an 1883 urban Philadelphia townhouse designed by the world-renowned firm of Frank Furness and Allen Evans for J. Gardener Cassatt, brother of the famous artist Mary Cassatt. The impressive five-story, 7,000 sq. ft. masonry building was purchased by the Library Company of Philadelphia in 1999 as a residence for visiting scholars and short-term fellows.

In 2000, Noble Preservation joined the Library Company and Becker Winston as part of the team for the \$2.5 million adaptive re-use of this historic residential property. The scope of the work included the installation of living quarters for researchers, kitchen and dining facilities, life safety and code upgrades, meeting rooms, and office and research space. As part of the project team, Noble Preservation was involved in the design phase to work with the Library Company to respect the significant historic spaces and materials while accommodating their new functions, conducted paint and finishes analyses, consulted on the restoration of original finish schemes, and prepared scopes of work for the exterior masonry conservation, exterior metal work and roofing.

***Project Focus:***

***Abraham Lincoln Hotel/Lincoln Plaza Hotel and Conference Center  
Reading, PA (1997-1999)***

***Investment Tax Credit Consultation, Adaptive Re-use***

The Abraham Lincoln Hotel is an impressive 1930 Art Deco hotel in the center of downtown Reading, Berks County, PA. Built by W.L. Stoddard of New York City for the Reading Hotel Corporation, this hotel is culturally and architecturally significant to the City of Reading as an outstanding example of an early twentieth century hotel and one which became a social anchor within the city. Typical amenities included a barbershop, bar, restaurants, ballrooms and over 300 guest rooms. In the mid-twentieth century, the hotel fell into disrepair despite campaigns in the 1960s and 1970s to rehabilitate the building as a hotel and as housing. In the early 1980s, the building was abandoned due to code violations that rendered the structure unsafe.

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Mayor Haggerty, and Mayor of Reading 1999 *Mayoral Recommendation for Outstanding Preservation*.

***Project Focus:***

***Ephrata Cloister:***

***Ephrata, PA (1998-2000)***

***Historic Structures Reports***

As one of the country's earliest and most influential religious communities, the Ephrata Cloister is a unique collection of mid-eighteenth century Germanic buildings that stand as a testament to the beliefs and convictions of its founder, Conrad Beissel. The surviving eighteenth century resource – a collection of eleven buildings ranging from the a 4-story communal dormitory to small solitary houses – are now owned and operated by the Pennsylvania Historical and Museum Commission, and is considered one of the premiere historical sites in the state. Noble Preservation, as a consultant to the Marianna Thomas Architects/Perfido Weiskopf Architects Joint Venture, is currently working on completing a comprehensive, multi-volume HSR for nine of the site's eleven historic buildings.

One of the most challenging aspects of this project has been determining the original appearances, configurations, and functions of these eighteenth century buildings. Over one hundred and fifty years of change and neglect, coupled with two extensive restoration campaigns, has obscured much of the original fabric in these buildings. As a result, one of the first steps in the HSR research was to identify surviving original fabric.

Researchers also located an invaluable collection of sketches and notes from G. Edwin Brumbaugh, the site's earliest restoration architect, which documented the pre-restoration conditions of the Cloister. Using these sketches in conjunction with field investigations and laboratory analyses, investigators have been able to not only judge the quality of past restorations, but also, and more importantly, document the original floor plans.

Perhaps the most important component relating to the future interpretation and restoration of the Cloister rests on the question of original use. By recreating the eighteenth century floor plans, analyzing the original layout of the community, and understanding the typology of early Germanic buildings in Pennsylvania, we offered alternatives to the traditional interpretation of the Cloister buildings that challenge and re-define the conventional notions of how this religious community functioned. For example, the Almonry has historically been interpreted as a community bakery, hostel for visiting guests, and center for giving "alms" to the needy. Investigators have now suggested that, based on its design and highly specialized spaces, the Almonry was a community work center that was directly associated with the Saal/Saron complex.

***Project Focus:***

***The Henry Antes House:***

***Montgomery County, PA (1994-2000)***

***Historic Structures Report, National Historic Landmark  
Nomination, Construction Supervision***

The 1736 Henry Antes House is significant for its association with Henry Antes, an important religious, political and social leader who served as the chief architect/master builder for the Moravian Community in the 18th century. With remarkable integrity, the building and its associated site constitute one of the finest examples of the Germanic building tradition in the Commonwealth of Pennsylvania.

Working with Goschenhopen Historians, Inc., Noble Preservation first successfully nominated the property as a National Historic Landmark, then completed an Historic Structures Report (HSR) that now guides the restoration philosophy for the building and has led to more than \$300,000 in additional funding. The three-volume document provides a complete history of the building's ownership and evolution of the property, as well as an extensive catalog of archival resources and HABS-quality photographic documentation.

Since 1994, Noble Preservation has been involved in coordinating restoration activities at the Antes House. Tim Noble designed and supervised the installation of a temporary exterior unit that protected the building during replacement of the roof. Our office has guided sensitive repairs to historic building fabric, and plans to conduct additional research, investigation and supervision as work continues.

***Project Focus:***

***The Pennsylvania Capitol:***

***Harrisburg, PA (1996-2002)***

***Masonry Conservation, Waterproofing,***

***Specifications Consultation,***

***and Construction Supervision***

The capitol is a spectacular symbol of the Commonwealth, and arguably one of the most significant buildings in Pennsylvania. Built in 1906, its rich detail and exquisite ornamentation testify to Pennsylvania's wealth and importance at the turn of the 20th century.

The building is defined by the dignified lines and features of the Classical Revival with Beaux Arts ornamentation. Architect Joseph Huston executed this monumental work in Woodbury (VT) gray granite, anchoring the building with strong foundations, arranging it in ashlar blocks across every facade, carving it into elaborate pilaster and column capitals, turning it into slender balusters at roof level, and creating with it distinctive lines of light and shadow which accentuate a monolithic masonry surface. Over the course of the century, weathering and a series of ill-advised treatments have compromised the stability of the stone and the aesthetic integrity of the building.

As a partner in Perfido Weiskopf/Graves/Noble Joint Venture, Noble Preservation designed and completed a masonry conservation study which formed the basis for repointing, waterproofing, cleaning and repairing more than 400,000 square feet of granite in preparation for the re-dedication of the building to the Commonwealth in honor of its centennial celebration. Our pre-construction work consisted of surveying the entire building for deterioration mechanisms, conducting laboratory experimentation/ examination on stone samples and constructing/ assessing in-situ mock-ups for potential conservation treatments. After completing the study, our office composed specifications for the project, assisted in reviewing qualifications and contractor selection, and has been actively involved in supervising all masonry work.

Noble Preservation's work at the capitol has expanded to include designing and managing the restoration/ conservation of the Commonwealth Statue, investigations in the Governor's and Lieutenant Governor's Offices, and designing/ supervising temporary systems to protect historic materials in the House of Representatives and Senate Chambers.

***Project Focus:***

***Irvine Auditorium, University of Pennsylvania:***

***Philadelphia, PA (1996-1999)***

***Finishes Conservation, Specifications Consultation,  
Construction Supervision***

Vibrant, decorative finishes characterize the vaulted interior of Horace Trumbauer's 1926 Irvine Auditorium at the University of Pennsylvania. Through the years, Irvine hosted countless concerts and dramatic performances before falling into disrepair and out of useful service. The restoration of this magnificent space to its historic grandeur is part of the University of Pennsylvania's long-term program for the Perleman Quadrangle.

Artists originally used casein paints applied in templated and free-hand patterns both for plaster wall surfaces and Celotex ceiling panels. Noted for their hardness, brittleness and deep colors, these finishes originally provided rich, saturated tones to bring the unique decorative patterns alive. Prior to their restoration, many of the decorative finishes had deteriorated due to water infiltration, detachment, abrasion and inappropriate re-painting materials.

As consultants to Venturi, Scott Brown and Associates, Noble Preservation undertook an exhaustive study to characterize historic finishes and to diagnose problems with those finishes and their substrates. On-site investigation and laboratory evaluation established that a multi-faceted treatment program was necessary to stabilize delaminating finishes, resaturate intact existing finishes and repair areas where finishes had been lost or over-painted. Our office wrote specifications for conserving and restoring original finishes, and then worked with VSBA during construction to ensure that appropriate color, texture and sheen matches were obtained for all work.

Modern casein paints are readily available from a number of manufactures, but their use is complicated by extended drying times, poor adhesion and subjectivity to biological growth. After a series of mock-ups completed prior to construction, the project team decided to modify modern casein paints with acrylic additives to enhance the adhesion and durability of the restored finishes without compromising the low sheen or richness of color of the historic finishes.

Additionally, our office also established programs and specifications for the restoration of original lighting, marble and brass appointments, fine woodwork and masonry.

***Project Focus:***

***Rodale Organic Gardening Experimental Farm:***

***Emmaus, PA (1997-1999)***

***National Register Nomination, National Landmark***

***Nomination (Forthcoming)***

The Rodale Organic Gardening Experimental Farm in Lower Macungie Township, Lehigh County, Pennsylvania, is significant for its associations with J.I. Rodale (1898-1971), an early proponent of organic gardening and farming in the twentieth century. Working from the home, office, and laboratory he established on the Farm, J.I., and later, his son Robert, played a definitive role in introducing the theories and principles of organic horticulture and agriculture to the public through his numerous publications, particularly *Organic Gardening* and *Prevention*.

The principles Rodale promoted as his life's work - organic food production, healthy lifestyles, and soil and open space preservation - were all part of the inception of the larger environmental movement witnessed today. Rodale was among a handful of individuals who can be credited with bringing about the environmental awareness of the late twentieth century. The property's period of significance begins with J.I.'s purchase of his farm in 1940 and ends with his death in 1971.

The Farm is one of the few properties in the state that is less than 50 years old to have been included in the National Register - an exception to the "50 year rule" was made in light of its significance.

Our National Register Nomination for the property was approved by the National Park Service in 1999, and we are planning to prepare a National Historic Landmark Nomination in the near future.

***Project Focus:***

***Salem Rehabilitations/Hedge-Carpenter-Thompson Historic District:***

***Salem, NJ (2000 - )***

***Investment Tax Credit Consultation, National Register Nomination***

The Hedge-Carpenter-Thompson (HCT) Historic District is an intact collection of mid-nineteenth through mid-twentieth century worker's homes along Hedge, Carpenter, and Thompson streets in the southwestern corner of Salem City. The architecture of this district spans ninety years from 1848 to 1940 and represents a continuum of stylistic influences applied to local vernacular house forms in this local working class community. As the first neighborhood to develop south of Broadway, the HCT Historic District developed in response to the economic and industrial growth of Salem City in the mid and late nineteenth century. The three main architectural periods represented in this nine-block historic district illustrate the vernacular, local interpretation of styles popular in the Mid-Atlantic States in the 19<sup>th</sup> and early 20<sup>th</sup> centuries.

The rehabilitation of the twin and single-family homes will create badly needed affordable housing within the city. It will save a local neighborhood that, after years of neglect, has been poorly maintained and is a blight on the city. Not only will this project restore this neighborhood to make it visually more attractive along the Salem streetscape, but it is also expected to foster additional development in the downtown Salem area.

Working closely with the NJ Historic Preservation Office and the National Park Service's Heritage Preservation Services division, the project team developed plans and specifications that followed the Secretary of the Interior's *Standards for Rehabilitation* to utilize the NPS' Investment Tax Credit Program. As part of the rehabilitation, original clapboard, window sashes, trim, and other character-defining features were salvaged and re-used in the rehabilitated buildings.

***Project Focus:***

***Partner, Perfido Weiskopf Architects/Noble Preservation Services, Inc. Joint Venture  
PHMC 5-Year Contract for Consultant Services for Historic Sites and Museums:  
Various Locations throughout Pennsylvania (2003-2008 )  
Various Services***

As a JV partner, Noble Preservation has completed dozens of projects and provided a range of services from project design and construction administration, materials analyses and conservation, historic structures reports, and research and documentation. Under this contract, we have designed, administered, and supervised repairs for the majority of the buildings at the Washington Crossing Historic Site (Washington Crossing, PA), begun a restoration of the garden at Old Economy Village (Ambridge, PA), designed and supervised repairs to the timber frame buildings at the Pennsbury Manor Historic Site. Currently, Noble Preservation is working on HSRs for the main furnace building and two ancillary buildings at the Cornwall Iron Furnace (Cornwall, PA), the 19<sup>th</sup> century Landis Valley Hotel at the Landis Valley Museum (Lancaster, PA), and the Daniel Boone Homestead (Exeter Township, PA). In addition to these preservation studies, Noble Preservation has other active projects under the current contract, including the restoration of the barrels at Old Economy Village, additional repairs at Washington Crossing Historic Park, and several smaller design/building projects.

Previous to the current contract, Noble Preservation served as a sub-consultant to the Perfido Weiskopf Architects/Marianna Thomas Associates Joint Venture and completed several large-scale HSRs for PHMC historic sites such as the Ephrata Cloister, the Conrad Weiser Homestead, and the Landis Valley Museum.

***Project Focus:***

***Washington Crossing Historic Park:***

***Washington Crossing, PA (2006-ongoing )***

***Sitewide Repairs, Construction Design and Administration***

Washington Crossing Historic Park was founded in 1917 to preserve and maintain the site from which the Continental Army crossed the Delaware River on Christmas night, 1776. This goal is achieved by interpreting the historical significance of the site for thousands of visitors each year through tours, exhibits and various special events. Washington Crossing Historic Park also preserves and interprets the early 19th-century history of Taylorsville, a small ferry crossing that developed following the events of that fateful evening. The 500-acre site and recreational area includes 13 historic buildings, which over the course of the past decades, have weathered and received ill-advised treatments that have compromised the stability and the aesthetic integrity of the buildings.

Under their 5-year joint venture contract with the Pennsylvania Historical and Museum Commission (PHMC), Noble Preservation provided project construction design, administration and supervision that included masonry restoration, carpentry restoration and repairs, roofing and refinishing for the 13 core buildings of the park. As part of the project design process, Noble Preservation, in conjunction with PHMC and site staff, surveyed each building for deterioration, maintenance issues and safety concerns and then developed a scope of work for each resource that addressed these issues in the most historically appropriate and economically viable fashion. After completing the scope, our office reviewed qualifications and selected highly qualified and skilled contractors to carry out the specified tasks for the project, while assisting with technical and practical preservation and restoration issues.

Noble Preservation's work at Washington Crossing Historic Park has expanded to include additional construction supervision to further the goals of preserving and maintaining the site for future generations.

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**TIMOTHY M. NOBLE**  
**President**

**EDUCATION**

**University of Pennsylvania**  
**Graduate Program in Historic Preservation**

Master of Science, Historic Preservation, Emphasis in Materials Conservation, 1983.

**Apprenticeship in, Construction, Conservation and Restoration of Stringed Instruments  
with Master Luthiers Arthur Falardeau and Andrew Boarman**

Apprenticeship, 1974-1977.

**Conservation and Restoration of Stringed Instruments, Antique Furniture and Decorative  
Arts**

Full time practice in restoration/conservation of antique objects including metals, wood, finishes  
and accessories. 1974–1983.

**Pennsylvania State University**

B.A., GSA, Emphasis in American and European History, 1974.

**EXPERIENCE:**

Noble Preservation Services, Inc., Zionsville, PA: President. 1992-present.

Owner and Principal in Charge of all operations, specializing in historic preservation,  
architectural conservation, building investigation, history and research.

Clio Group, Inc., Philadelphia, PA: 1983-1993; Partner 1985 – 1993, President, 1991-1993.

Consultation in architecture, history, conservation and historic preservation.

Goschenhoppen Historians, Inc., Green Lane, PA: Restoration Committee Chairman, 1992- present.

Ongoing involvement in an organization founded to preserve and restore Germanic architecture in  
Berks, Bucks, Lehigh and Montgomery Counties, PA. Current activities include the restoration and  
interpretation of the 1736 Henry Antes House (National Historic Landmark).

Stenton, Germantown, PA: Executive Director, 1991-1992.

Directed 1720s National Historic Landmark which was the home of James Logan, William Penn's  
agent in the colonies.

Historic Rittenhouse Town, Philadelphia, PA: History Committee Chairman, 1991-1992.

Responsibilities included historical research and interpretation of 18<sup>th</sup> and 19<sup>th</sup> century industrial  
village.

Knoll International, East Greenville, PA: Consultant in Furniture design and construction, 1981-1983.

**RESEARCH AND PROFESSIONAL ACTIVITIES:**

- Associate of American Institute For the Conservation of Historic & Artistic Works, 1997 - present
- Member of Association For Preservation Technology, 1995 - present
- Member of National Trust For Historic Preservation
- Historical Society of Pennsylvania
- Moravian Historical Society
- Author and Investigation in the European Antecedents of Building Practice in America
- Professional Architectural Photography
- History and Development of Limes and Mortars in the United States
- Advanced Analytical Analysis of Mortars, Stones, Metals and Decorative Finishes
- History and Development of the Iron Industry
- Materials Identification and Traditional Building Techniques
- Wood Technology and Restoration
- Assisted National Park Service Mid-Atlantic Regional Office in the preparation of *Preservation Tech Note #17 - Windows*, a detailed study on the repair and retrofitting of industrial steel windows. Preservation Assistance Division, National Park Service, Washington, DC, 1989.

**PROFESSIONAL AWARDS:**

- 2003 *The Preservation Alliance For Greater Philadelphia*, 2003 Preservation Achievement Grand Jury Award for the Restoration of the Cassatt House. Client: Library Company of Philadelphia. Architect: Becker Winston Architects.
- 2001 *Preservation Pennsylvania, Inc/ Pennsylvania Historical & Museum Commission, Historic* Preservation Achievement Award for the Restoration of the Henry Antes House. Client: Goschenhoppen Historians Inc.
- 2000 *The Preservation Alliance For Greater Philadelphia*, 2000 Preservation Achievement Award for the Restoration and Rehabilitation of Irvine Auditorium, University of Pennsylvania. Architect: Venturi Scott Brown and Associates.
- 2000 *Preservation Pennsylvania, Inc/ Pennsylvania Historical & Museum Commission, Historic* Preservation Achievement Award for the Restoration and Rehabilitation of Irvine Auditorium. Owner: University of Pennsylvania. Architect: Venturi Scott Brown and Associates.
- 1999 *New Jersey Landmarks Commission Award* for the adaptive reuse of Academy Place rowhouses, Trenton, NJ, 1999. Principal in charge, serving as historic preservation consultant for certified rehabilitation of 11 rowhouses in Trenton. Owner: Pennrose Properties. Architect: Clarke Caton Hintz.
- 1999 *Preservation Pennsylvania, Inc/ Pennsylvania Historical & Museum Commission* Preservation of Public Art Award (project award) for the restoration of the Commonwealth Statue, Pennsylvania State Capitol, Harrisburg, PA, Principal within Joint Venture charged with defining project scope, managing the conservation and air-crane removal and replacement of R.H. Perry's statue Commonwealth atop the main dome of the Pennsylvania Capitol. Owner: Department of General Services. Professional: Perfido Weiskopf/Graves/Noble Joint Venture (Principal). Contractor: Conservation Technical Associates.
- 1999 *Historic Preservation Award for Commercial/Industrial Rehabilitation* (project award) for the rehabilitation of the Lincoln Plaza and Conference Center, Reading, PA, 1999. Principal in charge, serving as historic preservation consultant for certified rehabilitation of one of Reading's most significant architectural landmarks. Owner: Pennrose Properties. Architect: Muhlenberg-Greene, Synergetics.

*1998 Pennsylvania Historical and Museum Commission Historic Preservation Award* for the rehabilitation of the McFarland Press Building in Harrisburg, PA. Principal in charge of historic preservation design consultation for the rehabilitation of a late 19<sup>th</sup> century industrial building into low-income housing. Owner: Pennrose Properties. Architect: Stuart LeFever Architects.

*1994 Award for Excellence in Design by the Art Commission of the City of New York* for the conservation and restoration of the New York City Coat of Arms from McCombs' Dam Bridge. Principal in charge of conservation and materials studies for the Hooper Fountain and McCombs' Dam Bridge. Owner: New York City Department of Transportation. Architects: Modjeski & Masters, Inc. and H2L2 Architects and Planners.

*1991 Preservation Initiative Award from the Pennsylvania Historical and Museum Commission* for preparation of an eleven volume Historic Structures Report for Old Economy Village. Owner: Pennsylvania Historical and Museum Commission.

*1991 Historic Preservation Accommodation for Residential Rehabilitation* for the rehabilitation of the Von Louhr Apartments, Philadelphia, PA. Principal in charge of design consultation for rehabilitation of historic property. Owner: Philadelphians Concerned About Housing.

*1991 Historic Preservation Accommodation for Multi-Family Residential Rehabilitation* of Diamond Street Properties, Philadelphia, PA. Principal in charge of design consultation for historic preservation tax credits on a series of urban rowhouses. Owner: Pennrose Properties.

*1990 Historic Preservation Accommodation for Institutional Rehabilitation Award* for rehabilitation of the Dunlap School building. Principal in charge of historic preservation design consultation for procurement of certified rehabilitation tax credits. Owner: Pennrose Properties.

*1989 Historic Preservation Accommodation for Multi-Family Residential Rehabilitation Award* for rehabilitation of Regent/Rennoc Apartments, Philadelphia, PA. Principal in charge of historic preservation design consultation. Owner: Pennrose Properties.

#### **SELECTED LECTURES:**

“Conservation and Restoration of Historic Decorative Finishes at Horace Trumbauer’s Irvine Auditorium at the University of Pennsylvania.” Presented to the Association for Preservation Technology/Delaware Valley Chapter, 1999.

“Investigations and Conclusions on the 1707 Claus Rittenhouse Home and Outbuilding, Fairmount Park, Philadelphia, PA.” Keynote Speaker, Annual Meeting of Historic Rittenhouse Town, Inc., 1996.

“18<sup>th</sup> Century Construction Techniques and Materials Used in the Restoration of the 1736 Henry Antes House, Montgomery County, PA.” Boyertown Historical Society, 1996.

“Moravian Architecture, Constitution and Town Planning: The Moravian Settlement at Hope, NJ.” Lecture given for the commemoration of the 225<sup>th</sup> anniversary of the establishment of Hope, 1994.

“Restoration Planning for the 1736 Henry Antes House, Montgomery County, PA.” Lecture presented at the Daniel Boone Homestead, 1992.

“The Iron Industry in Pennsylvania: Process, Utility, and Design.” Keynote Speaker for annual meeting of Historic Bethlehem, Inc., 1991.

"The Founders of Bethlehem, Pennsylvania: Henry Antes, Colonial Master Builder." Lecture for the celebration of the 250<sup>th</sup> anniversary of the founding of Bethlehem, PA. Moravian Historical Society, 1991.

"17<sup>th</sup>, 18<sup>th</sup> and 19<sup>th</sup> Century Domestic Architecture of Historic Rittenhouse Town." Lecture presented in honor of the tri-centennial celebration of Historic Rittenhouse Town, sponsored by the Library Company of Philadelphia, 1990.

"Germanic Architectural Practice in Colonial Pennsylvania." Presented to the German Society of Pennsylvania and Historic Rittenhouse Town, 1989.

"Architecture and Preservation in Reading." Live television lecture, Berks County Public Television, 1987.

"Historical Analyses and Materials Studies of the 1734 Shelter House." Lecture presented to address the National Register listing of an early Germanic log building, Shelter House Society, Emmaus, PA, 1985.

### **SELECTED REPRESENTATIVE PROJECTS:**

#### **Oglebay Hall, University of West Virginia, Morgantown, WV**

Working with Perfido Weiskopf Architects and the University of West Virginia on the exterior rehabilitation of this significant campus building. Services included materials testing specifically related to the conservation of terra cotta, stone, and brick, and specifications for masonry cleaning, pointing, and repair.

Client: Perfido Weiskopf Architects

#### **York County Courthouse, York, PA**

Working with the County of York on the rehabilitation and restoration of the three domes of the courthouse roof. Services include materials testing, survey of existing conditions, maintenance and specification documents, and construction administration.

Client: County of York, PA

#### **Preservation Consultant Services for PHMC Historic Sites and Museums, 5-year Contract, Harrisburg, PA**

In a Joint Venture partnership with Perfido Weiskopf Architects of Pittsburgh, Noble Preservation provides PHMC with preservation and conservation consultation services related to the preservation, maintenance, and restoration of Commonwealth historic sites across Pennsylvania. Scope of work includes project administration, construction management, conservation, historic structures reports, materials studies, in addition to other preservation-related activities through 2006.

Client: Pennsylvania Historical and Museum Commission (PHMC)

#### **Bethlehem Steel Merchant Mill #2 Annex, Bethlehem, PA**

Worked closely with the developer, Pennsylvania Historical and Museum Commission, and National Park Service to develop this former Bethlehem Steel mill building into a hub of market-rate housing and retail services in the community of South Bethlehem.

Client: Ashley Development

#### **Hedge-Carpenter-Thompson Historic District, Salem, NJ**

Worked closely with the developer, New Jersey Historic Preservation Office, and National Park Service to rehabilitate this abandoned historic neighborhood in Salem County, NJ. Project

development included the documentation of 76 historic buildings, a scope of work which met the Secretary of the Interior's Standards, the needs of the developer, and the tenants.

Client: Pennrose Properties  
Architect: Kitchen & Associates

**Iowa State Capitol, Des Moines, IA**

Conservation and restoration consultant for the restoration of the House and Senate chambers of the 1871-1886 Iowa State Capitol. Completed materials testing and analysis on all aspects of decorative ceilings and murals, and provided consultation and supervision during conservation. Current projects include the testing, analysis, design consultation, and assistance with specifications for the restoration of the decorative finishes of the main rotunda and grand stair.

Client: Department of General Services, State of Iowa  
Architect: RDG Bussard Dikis, Inc.

**Rayne United Methodist Church, New Orleans, LA**

Conservation consultant on problematic interior and exterior materials issues on this 1876 Gothic Revival masonry church in downtown New Orleans. Issues include masonry deterioration, water infiltration, and adhesion problems with decorative finishes on plaster and wood substrates.

Client: Rayne Memorial Church

**Pennsylvania State Capitol, Harrisburg, PA.**

Partner within Perfido Weiskopf/Graves/Noble Joint Venture, the firm serving as project Professional. In charge of defining scope, preparation of restoration specifications, administration and supervision for the Department of General Services' \$20 Million exterior restoration of the Main Capitol building. Work completed includes analytical studies, specifications and supervision for conservation and restoration of exterior granite and windows, documentation and Commonwealth Statue conservation including removal and re-installation, and restoration of the main dome and ribs. Served as Consulting Supervisory Conservator for conservation of House and Senate Chambers and other public and private offices, 1996- present.

Principal in charge of designing and managing the protection of the House of Representatives' and Senate Chambers. Designed and supervised assembly and disassembly of protective systems during construction of an interior scaffolding erected to provide access during ceiling restoration, 1998.

Client: Department of General Services, Commonwealth of Pennsylvania.  
Architect: Perfido Weiskopf/Graves/Noble Joint Venture, 1996-present.  
Consultant for John Canning Paint and Conservation Studios, the firm serves as the Consulting Supervisory Conservator for the restoration, repair, and refinishing of the architectural woodwork in the Senate Majority Caucus Room.

Client: John Canning Paint and Conservation Studios

**University of Pennsylvania, Philadelphia, Pennsylvania.**

Consultants on numerous projects involving research, materials testing and analysis, and preservation consultation. Buildings include Furness Library, College Hall, Franklin Field, Lewis Hall, Bennett Hall, the Palestra, Houston Hall, The Law School, the Dental School, The Music School, Irvine Auditorium, Houston Hall, Logan Hall. Analytical studies, specifications and supervision includes work on plaster, masonry, decorative finishes, concrete, woodwork, roofing and metals.

Client: Facilities Department  
Architect: various, 1984-2001.

**Irvine Auditorium**, University of Pennsylvania, Philadelphia, PA

Completed extensive conservation study and specifications for historic decorative finishes on Horace Trumbauer's auditorium at the University of Pennsylvania. Provided testing, analysis and specifications on historic lighting, woodwork, marble, plaster and interior and exterior masonry. Provided construction supervision of conservation and restoration work during construction.

Client: University of Pennsylvania  
Architect: Venturi, Scott Brown Associates, 1996-1999.

**Ephrata Cloister**, Ephrata, PA

Historic Structures Reports. Conducted in-depth historical and physical investigations on nine building at the National Historic Landmark Ephrata Cloister site. Completed analytical evaluations of building materials as a basis for recommendations on the short and long-term restoration of the site.

Client: Pennsylvania Historical and Museum Commission  
Architect: Marianna Thomas Architects/Perfido Weiskopf Architects Joint Venture, 1998-present.

**Lehigh University**, Bethlehem, Pennsylvania.

Research, conservation studies and preservation consultation on the Packer Chapel, University Center, Linderman Library, Taylor Gymnasium and Coppee Hall, the main buildings of the campus. Analytical studies, specifications and supervision includes work on plaster, masonry, decorative finishes, concrete, woodwork, roofing and metals.

Client: Lehigh University Facilities Services  
Architect: Barry Isett, Associates, PC, 1992-1996.

**State Capitol of West Virginia**, Charleston, West Virginia.

Provided consultation and completed technical analysis on the gilding failure for the Capitol Dome. Completed coatings analysis for interior finish schemes, prepared specifications and supervised restoration of all work. Work included plaster restoration and conservation and recreation of extensive gilding and faux finish schemes throughout the main Capitol rotunda.

Client: WV Division of Administration, General Services Division  
Architect: L.P. Perfido Architects, 1994-1997.

**The Barnes Foundation**, Marion Station, Pennsylvania.

Provided assessment, materials analysis and specifications on a nationally-significant group of buildings designed by Paul Philippe Cret to house a significant private art collection. Focus included conservation of significant exterior limestone ornamentation designed by Jacques Lipschitz, analytical testing on interior and exterior finishes and evaluation and specifications on tile, wood flooring, plaster and woodwork. Construction supervision.

Client: The Barnes Foundation  
Architect: Venturi, Scott Brown & Associates, Inc., 1993-1996

**Macomb's Dam Bridge**, New York, New York.

Conservation studies on one of New York's most historic bridges. Consultation included paint analysis on the bridge and mile long viaduct and conservation reports on various sculptures including the granite and limestone Hooper Fountain on the Manhattan side of the span and the bronze New York City Coat of Arms and Plaque surmounting the bridge. The project was awarded the NYC Art Commission's Excellence in Design Award.

Client: New York Department of Transportation  
Architect: H2L2 Architects and Planners, 1994.

**Conrad Weiser Homestead, Womelsdorf, PA**

Historic Structures Report. Conducted in-depth building investigations on the two remaining early buildings on the site, one of which was thought to be the original Conrad Weiser's home. Prepared a typology of 18<sup>th</sup> century Germanic domestic buildings in eastern and central Pennsylvania to place the Weiser buildings in the context of early Germanic building practices.

Client: Pennsylvania Historical and Museum Commission

Architect: Marianna Thomas Architects/Perfido Weiskopf Architects Joint Venture, 1998-2000.

**Historical Society of Pennsylvania, Philadelphia, PA**

Principal in charge of comprehensive masonry conservation study as a prelude to exterior marble restoration and supervision of contractors during construction. Completed plaster and finishes analyses for interior and exterior elements.

Client: Historical Society of Pennsylvania.

Architect: Venturi, Scott Brown & Associates, Inc., 1997-98.

**Long House Historic Structures Report, Hope, NJ**

Historic Structures Report which analyzed and evaluated the construction and development of this Moravian period building through historical research, materials analyses, and physical investigations. Developed appropriate treatment recommendations for the client to use as a basis for decision making.

Client: H.O.P.E., 1998-present.

**Historic Rittenhouse Town, Fairmount Park, Philadelphia, Pennsylvania.**

Historic Structures Reports on the 1707 Claus Rittenhouse Home and adjacent 18th century stone outbuilding. Historic research and National Landmark Nomination on the 17th, 18th and 19th century Germanic village, site of America's first paper mill and birthplace of colonial scientist David Rittenhouse. The village is one of the most important early industrial and domestic sites in the original colonies, 1991. Historic Structures Report on 18th century so-called Abraham Rittenhouse Home within the National Historic Landmark industrial community, 1989. Research, analytical testing.

Client: Historic Rittenhouse Town, Inc., 1988-1996.

**Henry Antes House, Montgomery County, Pennsylvania.**

Historic Structures Report documenting the original configuration and the changes to the house and property. Fund raising of over \$250,000, Analytical testing, construction documents, specifications, bid process, contractor selection and construction management.

National Landmark Nomination. Home of a significant leader, master builder and the architect of many of the first buildings in Bethlehem, Pennsylvania. The house is the first building in Pennsylvania to be recognized in the vernacular architecture category as significant to the nation, 1991.

Client: Goschenhoppen Historians, Inc., 1994-2001.

**Camden United States Courthouse, Camden, NJ**

Completed analysis of historic decorative finishes (elaborate stencil designs executed in paint and aluminum and gold leaf) for Post Office Lobby and Ceremonial Courtroom within Art Deco interior spaces prior to restoration/conservation. Prepared construction documents for plaster and finishes restoration, including re-creation of decorative stenciling. Construction supervision.

Client: Keating Building Corporation

Architect: Marianna Thomas Architects, MGA Partners, 1999.

**Diamond Street Ventures Phases 1, 2, 3, Philadelphia Pennsylvania.**

Rehabilitation/restoration, Section 106 and Tax Act consultation on a 35 building housing project.

Client: Pennrose Properties Inc.,  
Architect: Zimmers Associates, 1989-1996.

**30th Street Railroad Bridge, Philadelphia, Pennsylvania**

Materials testing, conservation report, assistance with specifications and consultation during construction on this significant Paul Cret designed bridge spanning the Schuylkill River in the heart of Philadelphia.

Client: South East Transportation Authority  
Architect: H2L2 Architects and Planners, 1995, 1996.

**Palace Theatre, Greensburg, Pennsylvania**

Paint and coatings analysis, historical research and restoration consultation on this magnificent 1926 vaudeville-era theater. The building contains exemplary faux finishes and murals that are to be restored and conserved as part of the restoration.

Client: The Westmoreland Trust  
Architect L.P. Perfido Associates, 1995-1996.

**William Trent House, Trenton, New Jersey**

Historical research and report on the history and occupation of this c1720 National Historic Landmark mansion built by one of the colonies most important individuals and occupied by three governors of the state of New Jersey. Preparation of an archaeological planning report involving overlays of landscape and site changes over significant historical periods onto base maps of the site.

Client: City of Trenton, New Jersey  
Architect: Susan Maxman Architects, 1995, 1996.

**Eastern State Penitentiary, Philadelphia, Pennsylvania.**

Conservation Studies for the main hall, typical corridors, prison cells and yards for the Eastern State Penitentiary Task Force, sponsored by a grant from The Getty Foundation, 1994, 1995. Feasibility Study and Schematic Design for the Rehabilitation of the Administration Building of this National Historic Landmark and, arguably, the most important historic prison in the United States.

Client: City of Philadelphia  
Architect: Venturi, Scott Brown and Associates, 1993.

**US Custom House, Philadelphia, Pennsylvania.**

Historic Structures Report update, historic finishes, metals and stone conservation studies, prepared specifications and provided restoration supervision on this 1930's Art Deco landmark government office building that in home to the Eastern Regional office of the National Park Service.

Client: General Services Administration  
Architect: Ueland, Junker & McCauley, 1992-1993.

**Abraham Lincoln Hotel, Reading, Pennsylvania.**

Tax Act, Section 106 and rehabilitation consultation on one of Reading's most important Art Deco hotels.

Client: Pennrose Properties, Inc.  
Architect: Muhlenberg/Greene Architects, 1991-1994.

**The Grey Cottage**, Nazareth, Pennsylvania.

Research, materials investigations and restoration consultation on the Grey Cottage Log House, the earliest surviving Moravian building in North America. The project resulted in a restoration report, specifications and the recreation of an 18th century-style side-lapped shingle roof.

Client: Moravian Historical Society, 1991, 1992.

**Milord La Chamarre Sculpture Conservation Study**, Philadelphia, Pennsylvania.

Conservation study prompted by the moving of this important Jean Dubuffet stainless steel work of art from an environmentally controlled interior location to its present 15th and Market Street location.

Client: H2L2 Architects, 1990.

**Horsham Meeting House**, Horsham, Pennsylvania.

Historic research, materials analysis and restoration consultation on the major restoration of this well preserved early 19th century Quaker Meeting House. Work involved studies and specifications on woodwork, finishes, masonry, historic lighting and roofing.

Client: Horsham Meeting  
Architect: Zimmers Associates, 1990.

**Fairmount Waterworks**, Philadelphia, Pennsylvania.

Design Study for the final phase of restoration of this National Historic Engineering Landmark. The project involved research and design schemes for the recovery and restoration of the mill races and associated promenades, bridges, retaining walls and water features.

Client: City of Philadelphia, Water Department  
Architect: Thomas and Newswanger, Architects, 1989.

**Founders Hall, Haverford College**, Haverford, Pennsylvania.

Restoration studies, materials analysis and consultation on the College's first building constructed in 1833. Studied, specifications and supervision included work on stone, stucco and finishes.

Client: Haverford College  
Architect: H2L2 Architects, 1989.

**Old Economy Village**, Ambridge, Pennsylvania.

Research, materials investigations and analysis of an intact early 19th century National Landmark utopian community. A ten volume Historic Structures Report and Garden Archaeology study was prepared. Prepared analytical studies on finishes, masonry, plaster and roofing.

Client: PA Historical and Museum Commission  
Architect: Thomas and Newswanger Architects, 1987-1990.

**Allentown Post Office**, Allentown, Pennsylvania.

Analytical studies and specifications for masonry, bronze and aluminum features on this 1931 Art Deco Post Office, one of Allentown's finest Art Deco Buildings.

Client: General Services Administration  
Architect: Wallace/Watson Architects, 1987.

**Berkeley-Dunn Mills**, Martinsburg, West Virginia.

Rehabilitation consultation on a complex of 19th century woolen mills. Tax Act Certification, materials testing and design review.

Client: Chatfield-Taylor Organization  
Architect: Rust, Orling and O'Neal, 1987.

**Moravian Pottery and Tile Works**, Doylestown, Pennsylvania.

Serialized paint analysis and restoration consultation on an important Henry Mercer building.

Client: Bucks County, 1987.

**Cumberland County Court House**, Cumberland County, New Jersey.

Preservation and Restoration studies and analytical testing on this important public building.

Client: Cumberland County  
Architect: Manders/Merighi Associates, 1987.

**Hopewell Furnace National Historic Site**, Berks County, Pennsylvania.

Historic Structures Report, Materials analysis and restoration consultation on an 18th century National Historic Site interpreting the manufacture of iron.

Client: Mid-Atlantic Regional Office, National Park Service  
Architect: Marianna Thomas, 1987.

**Cornwall Iron Furnace**, Cornwall, Pennsylvania.

Restoration consultation and materials analysis.

Client: PA Department of General Services  
Architect: Marianna Thomas, 1986.

**Philip E. Pendleton**  
Senior Associate

**EDUCATION**

**University of Delaware**

Courses in Historic Preservation and Architectural History, 1990-1991

**Old Sturbridge Village Museum/Clark University**

Field School in Architectural History, 1989

**University of North Carolina at Chapel Hill**

Master of Arts in History, 1981

**Washington & Lee University**

Bachelor of Arts in History, 1976

**EXPERIENCE**

A.D. Marble & Company, Inc., Conshohocken, PA: Senior Architectural Historian, 2005-2007.

Completed approximately 15 cultural resource survey and HABS documentation projects located in three states, in addition to participation in marketing and technical review activities.

Louis Berger Group, Inc., East Orange, NJ: Architectural Historian, 1992-2005.

Completed over 130 projects in thirteen states and D.C., including National Register nominations and eligibility assessments for individual properties and historic districts, HABS-HAER documentation, battlefield eligibility and boundary identification studies, rural historic landscape studies, cultural resource planning studies for military facilities, site-specific research for archaeological investigations, and Section 106 architectural surveys for transportation improvements and other public projects.

KCI Technologies, Inc., Mechanicsburg, PA: Architectural Historian, 1992.

Participated in extensive cultural resources survey for the Mon-Fayette Expressway for the PA Turnpike Commission.

Historic American Buildings Survey, Washington, D.C: Historian, 1991.

Served as Project Historian for the Monocacy National Battlefield project.

Oley Valley Heritage Association, Oley, PA: Consulting Historian, 1985-1989.

Conducted comprehensive study of the valley settlement's early history.

Berks County Conservancy, Wyomissing, PA: Research Assistant, 1986-1988.

Participated in NRHP nominations for Gristmills of Berks County and the Mordecai Lincoln House.

**ADDITIONAL EXPERIENCE**

Vice Chairman, Historic Architectural Review Board, Oley Township [Pennsylvania], 2005-present.

Board of Directors, Historic Preservation Trust of Berks County [Pennsylvania], 2002-present.

Abbott Lowell Cummings Award Committee, Vernacular Architectural Forum, 2007.

Steering Committee, Vernacular Architecture Forum 2004 Annual Meeting [Pennsylvania], 2001-2004.

**PUBLICATIONS**

Three essays in *Architecture and Landscape of the Pennsylvania Germans, 1720-1920: 25<sup>th</sup> Annual Conference of the Vernacular Architecture Forum*: “Domestic Outbuildings,” “Oley Valley,” and “Lancaster and Its Hinterland: Mills.” 2004.

*The Farview State Hospital Agricultural Complex: An Institutional Farm in Twentieth-Century Pennsylvania*. Prepared by the Louis Berger Group, Inc., for the U.S. Department of Justice. 2003.

*Oley Valley Heritage: The Colonial Years, 1700-1775*. Volume 28 in the Publications of the Pennsylvania German Society. 1995. Social and architectural history of an eighteenth-century Pennsylvania community.

# Noble Preservation

S e r v i c e s , I n c .

Historic Preservation • Architectural Conservation  
Building Investigation • History and Research

**Douglas Scott**  
Associate

## **EDUCATION**

### **Savannah College of Art and Design**

Master of Fine Arts in Historic Preservation, 2000

### **Ohio State University**

Bachelor of Arts in Anthropology, May 1994

## **EXPERIENCE**

Noble Preservation Services, Inc., Zionsville, PA: Associate. May 2005 present.

Hunter Research, Trenton, NJ: Architectural Historian. 2000 – April 2005.

## **PUBLICATIONS and EXHIBITS**

NJDOT Cultural Resource Studies, Non Technical Summaries, 1977 2003

*NJDOT*

Merriwold Historical Publication

*J. Seward Johnson*

Henderson Road Archaeology Publication

*DELDOT*

Route 29 Deck Park Interpretive Signage, Trenton NJ

*NJDOT*

Trenton Wharf Interpretive Signage, Trenton NJ

*NJDOT*

Route 21 Interpretive Signage, Newark NJ

*NJDOT*

## **SELECTED REPRESENTATIVE PROJECTS**

GoggleWorks Center for the Arts, Reading, PA

Salem Rehabilitations, Salem, NJ

Professional Services 5-Year Contract with PHMC, Harrisburg, PA

Seminary Ridge Historic Structures Report, Gettysburg, PA

Reservoir Hill Scattered Site, Baltimore, MD

Godshalk Log House HABS and Disassembly, Lederach PA

*Heritage Building Group*

10 Log House Road • Zionsville, PA 18092

Tel (215) 679-5110 • Fax (215) 679-3960

Tweeds Tavern HABS, New Castle DE

*DELDOT*

Fort Delaware Seawall HAER, Delaware City DE

*USACOE, Philadelphia District*

Fort Hamilton HABS, Brooklyn NY

*Fort Hamilton Military Community*

Cowenhoven House HABS, Franklin NJ

*Pulte Communities, NJ LP*

Allaire Village Bakery HABS, Wall NJ

*NJ Division of Parks and Forestry*

South Broad Street Bridge HAER, Trenton NJ

*NJDOT*

New Jersey Executive Statehouse Preservation Plan, Trenton NJ

*Jan Hird Pokorny Associates*

New Yorkshire Neighborhood Preservation Plan, Burlington, NJ

*City of Burlington*

Camden Creative Arts High School, Camden NJ

*Skidmore, Owings & Merrill, LLP*

Woodrow Wilson High School Renovation, Camden NJ

*Skidmore, Owings & Merrill LLP*

Camden High School Renovation, Camden NJ

*Skidmore, Owings & Merrill, LLP*

New Yorkshire Neighborhood Preservation Plan, Burlington, NJ

*City of Burlington*

Bayville and Asharoken Beach Replenishment, Bayville NY

*USACOE, New York District*

Child Health Institute Expansion, New Brunswick NJ

*The Hillier Group*

Route I 80 Noise Wall Construction, Totowa NJ

*NJDOT*

South Brunswick Cultural Resources Inventory, South Brunswick NJ

*Township of South Brunswick*

Hope Road Bridge Replacement, Blairstown NJ

*NJDOT*

Pierce's Point to Norbury's Landing Beach Replenishment, Cape May NJ

*USACOE, Philadelphia District*

Lederach Golf Community, Lederach PA

*Heritage Building Group*

Jackson Valley Golf Course, Jackson NJ

*V.S. Hovnanian Group*

Camden Creative Arts High School, Camden NJ

*Skidmore, Owings & Merrill, LLP*

I 287 Truck Weigh Station, Mahwah NJ

*NJDOT*

ENSR Bordentown Industrial Development, Bordentown NJ

*ENSR International*

Pulaski Highway Development, New Castle DE

*Lee Ciaccarelli, Esq.*  
North Branch School Proposal, North Branch NJ  
*The Prisco Group*  
Route 130/Kinkora Branch Railroad, Kinkora NJ  
*NJDOT*  
Dunellen Pumping Station Replacement, Dunellen NJ  
*Boswell Engineering*  
Central Crossing Industrial, Bordentown NJ  
*CSR Group*  
Routes 92 Feasibility Study, Morristown NJ  
*DMJM & Harris*  
Route 21 Impact Assessment, Newark NJ  
*NJDOT*  
Bridge Street Bridge Replacement, Manville NJ  
*NJDOT*  
Routes 1 & 9 Cultural Resources Survey, North Bergen NJ  
*NJDOT*  
Routes 22 & 519 Realignment, Phillipsburg NJ  
*NJDOT*  
Vineland Millville Boulevard Expansion, Vineland NJ  
*Urbitran Associates*

### **AFFILIATIONS**

Preservation New Jersey  
National Trust for Historic Preservation  
Society of Architectural Historians, Philadelphia Chapter  
USICOMOS