



CONSERVATION



MATERIALS



ANALYSIS



TREATMENT



CONSTRUCTION

Aeon Preservation Services LLC

Preservation for the Real World

Experience

Capabilities

Past Projects

Principals: **Alfonso Narvaez**
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Statement of Qualifications

Aeon Preservation Services LLC (Aeon) was established to provide high-quality technical preservation services with one objective: to bridge the gap between building owners, architects, and contractors in the pursuit and execution of exceptional preservation projects at unique, historic, and iconic buildings and monuments nationwide. Building on a decades-long career in providing technical conservation services to the design community, our mission is to apply this expertise in collaborating with some of the best contractors in their respective trades and specialties to achieve world-class project planning and execution for historic properties and monuments. We also recognize that our expertise does not cover every material in every situation and to that end frequently collaborate and team up with other conservators, specialists, and tradesmen to achieve outstanding project execution and quality.

Our project experience ranges from the conservation of large buildings such as the Freedom Tower in Miami Florida, to highly decorative interiors, such as wood paneling restoration at the Department of the Interior Building and the Council Presidents Chambers at the Wilson Building. We have extensive experience with museum clients such as the Smithsonian Institution and the National Gallery of Art. We have worked on buildings from virtually every era of construction from the Colonial to the space age. Our sculpture and monument conservation projects include cleaning of the Sherman Monument at President's Park near the White House and the restoration of the Macedonian and Mexican Monuments at the US Naval Academy, Annapolis. We have worked with private clients and such large government agencies as the National Park Service (Presidents Park, Hawaii Volcanoes National Park, Gateway NRA, among others), GSA (many projects), and the Architect of the Capitol (U.S. Capitol Dome renovations, Russell Senate Office Building, and others).

In addition to our experience in providing traditional architectural conservation services, Aeon's principals have a high level of experience in the application of high technology in service to the building arts. This includes the use of non-destructive evaluation tools and techniques such as thermal imaging, pachometers, moisture meters, dataloggers, and high density digital laser scanning for documentation, analysis, and replication of historic sculpture and building features.

Our mission is to provide high-quality support services at all phases of a project:

- Design Phase Services/Building Investigation

- Construction & Bid Phase Services

- Quality Control/Quality Assurance

- Project Documentation Services

- Materials Testing Services

Alfonso Narvaez: Alfonso is a founding principal at Aeon Preservation Services. A senior architectural conservator with over twenty-eight years' experience in the technical preservation of historic buildings and monuments nationwide, Alfonso worked for John Milner Associates, Inc., a national consulting firm specializing in architecture, conservation, landscape architecture, archeology, and planning for historic properties and sites for over twenty years, before leaving to establish an independent practice. Prior to JMA, he worked as an Historic Architect for the National Park Service, North Atlantic Historic Preservation Center. He is a Professional Associate member of the American Institute for the Conservation of Historic and Artistic Works (AIC) that governs architectural conservators.

Lane Burritt: Lane is a founding principal of Aeon Preservation Services, has over twenty years' experience in historic preservation as an architectural conservator. Lane's practice includes conducting historic and materials research; surveying conditions; designing construction documents; cost estimating; scheduling; overseeing construction administration; creating and implementing cyclical maintenance programs; and directing quality assurance and quality control. Her technical conservation includes in-depth forensic investigations, hands-on conservation implementation, and non-destructive testing of many materials including wood, metal, and masonry. Before founding Aeon, Lane was a Senior Conservator for ten years in the Preservation Technology Group at John Milner Associates. She is a Professional Associate member of the American Institute for Conservation of Historic and Artistic Works (AIC).



Firm Capabilities: Construction Management Support Services

Aeon's principals are uniquely focused on providing construction project teams with technical preservation support services on projects involving historic buildings and monuments. Aeon works with a firm, or teams of firms, to provide the project team with the professional services they need to successfully pursue and implement high-caliber projects focused on historic and iconic buildings and monuments. Aeon provides expert technical advice in support of the construction team's decisions in the implementation of the project. Aeon's principals have decades of experience in the evaluation and implementation of technical preservation services from both the design and construction perspectives and have particular expertise in the application of a wide range of conservation and documentation technologies required to preserve and restore buildings and monuments of the highest caliber.

Some of the tasks that may be considered using Aeon for Construction Management Support include:

Project Design Phase Services: These services may include: design technical reviews; constructability assessment; analysis of VE proposals; cost analysis; cost control/monitoring; site investigations; site surveys; review of design scope; providing technical preservation construction document review; and evaluating and/or preparing protection plans for historic materials, features, or spaces.

Project Procurement/Bid Phase Services: These services may include: assisting the project team in contract pursuit and procurement; preparing bid/RFP questions; making site visits; attending pre-bid conferences; performing cost/bid/proposal analysis; performing field assessments and photo-documentation of potential projects; preparing contractor qualification materials for teaming partners; identifying possible project team members; and evaluating and responding to technical requirements.

Project Construction Phase Services: Depending on the scale of the project, these services may include: analysis and evaluation of construction documents; evaluating, tracking, and preparing submittals; review and monitoring of project schedules; assisting in problem resolution and handling of disputed issues; maintaining marked up sets of project plans and specifications for future as-built drawings; identification, evaluation, and management of specific quality expectations of end customer; managing quality control and quality assurance program on the project; taking action to identify work that does not conform to the project objective, and notifying the project team when work requires correction; assisting the project team in negotiations; preparing change order packages; participating in construction-related project meetings; preparing special reports and regular project status reports; providing for progress and/or final photographs of project work; performing site surveys; and providing budgeting assistance.

Testing Services: Aeon's principals are both qualified architectural conservators and have decades of experience in the characterization, analysis, and testing of historic materials or, when work is not self-performed, managing testing protocols and services provided by others. Both have extensive experience in employing non-destructive evaluation techniques and programs for building diagnostics, treatment evaluation, and QA/QC. The services may include, but are not limited to, testing/inspection of historic concrete, mortar, paints and coatings, paint strippers or other materials specific to an historic preservation treatment.

Post Construction Services: At or near substantial completion of project construction, Aeon may be tasked to provide services such as: assisting the client in the formulation of lessons learned; preparing and providing Operations and Maintenance (O&M) Manuals, warranty compliance inspection, or other post-construction project assessment services.

Exclusions: Aeon's principals are not licensed architects or engineers and our services should not be construed to replace such services should they be required. Aeon will work closely with the Owner and the project Architects, Engineers, and Contractors to develop and maintain a collaborative project environment that best serves the historic resource and project objectives.



Firm Capabilities: Quality Control & Assurance

Aeon's conservators have extensive experience in quality control and assurance (QC/QA) for historic buildings and monuments. Maintaining strict quality control during both design and construction is important to both the Project Team and the client. They employ a two-part quality control strategy: one focuses on quality management to ensure quality of design; the other focuses on quality production to ensure that deliverables meet client criteria.

Design reviews are critical to the success of a construction project. Aeon works hard to improve design reviews by gathering direct corporate experience that can be used to inform the Quality Control and Assurance phases of document management. Aeon maintains an extensive knowledge base to collect personal experiences and lessons learned on projects, and incorporate this data into corporate knowledge expressly for the design review process.

In addition to reviewing all drawings at each level of submittal, which helps ensure quality production, we believe that communication is an often overlooked key in quality control. A critical component of any QC program is having a team that works well together, has a keen interest in the overall quality of the project, and is committed to on-going communication during the project's life – communication both with the client and within the team.

Aeon's conservators are highly trained in the preservation and conservation of historic building materials. They are skilled in the testing of existing materials, the application of proposed treatments, non-destructive evaluation, laboratory analysis, and state-of-the-art materials and methods. Fully 100% of Aeon's conservation work is assisting building owners, architects, and contractors in the specialized analysis and treatment of historic building materials for buildings and monuments of all eras.

Aeon's conservators maintain tight relationships with preservation material suppliers and integrate manufacturers into the design review process to ensure that appropriate products are specified and application procedures are complete and accurate. In special cases Aeon's conservators, have negotiated special warranties and/or on-site training programs for contractor's staff as part of the construction process. Maintaining a true understanding of the nature of the materials being repaired, the service environment these materials are placed in, the factors that influence their preservation, as well as the nature of any new materials or interventions and their long-term effects are essential to the successful implementation of any preservation strategy. Aeon prepares uniquely-detailed construction documents with special emphasis on the preparation of project-specific specifications based on testing and research. By minimizing the contractor's guesswork during bid preparation, we find that that a more collaborative project environment exists, resulting in better work, lower costs, and more satisfied clients.

Aeon's conservators are experienced in project implementation and have performed insitu conservation treatment of monuments, sculpture, and buildings. This allows them to be well-versed in all aspects of proposed treatments, which minimizes surprises during construction that can lead to unforeseen expense and delay. Aeon's conservators are trained in the use of scaffolding, swing stage, and high reach equipment to allow our staff to safely access all work areas to ensure that the contractor does not perform any work that has not been seen and evaluated by Aeon staff. They also maintain strict lab and site safety programs to minimize incidents and advocate least-toxic approaches whenever possible.



Relevant Experience: Recent Projects



U. S. Capitol Dome, Washington, DC

Architects: Thomas Ustick Walters

Dates: 1855-1865

Project: Aeon is currently working with Turner Smoot Joint Venture on Phase II of the Capitol Dome Rehabilitation project to guide artwork protection for sculpture, paintings, murals, and historic furnishings in the main Rotunda. Aeon is also leading a team to provide environmental monitoring of the Rotunda during the nearly two-year project to restore the Capitol Dome. We are working with TSJV to develop historic treatment plans and protocols for all work involving historic materials. We are also working with AV Smoot to perform a detailed conservation assessment of the historic cupola glass.



Federal Trade Commission Building, Washington, DC

Architect: Edward H. Bennet

Date: 1938

Project: Principal conservators for design/build conservation of original aluminum entryways. Aeon, in collaboration with Independent Custom Metalworks, restored the historic entrances to the FTC Building. Work involved dismantling active historic entrances into their component parts, restoration, refinishing, and reinstallation with restored and new custom hardware. Aeon is now working on a new project at FTC for exterior masonry cleaning and repair under Fasting Inc.



National Gallery of Art, East Wing, Washington, DC

Architect: I.M. Pei

Date: 1978

Project: Aeon Preservation Services worked with Balfour Beatty/Smoot to assist them in the comprehensive façade rehabilitation program recently completed at this modernist icon. As part of this project over 17,000 stone panels were removed, refurbished and reinstalled. Aeon worked with CA Lindman to restore the exterior concrete to its original condition.



Veterans Affairs Building, Canopy Restoration, Washington, DC

Architect: Unknown

Date: 1916-1918

Project: Aeon recently led a team to restore three large historic ornamental cast iron entrance canopies. The Veterans Affairs Building was originally built as a hotel and taken over to serve the Bureau of War Risk Insurance in 1919. Aeon first evaluated the cause and condition of severely corroded glass and iron entrance canopies. Aeon then coordinated and managed the restoration of those canopies on a design/build basis to their original appearance correcting significant deficiencies identified in our study, upgrading the canopy glass to meet code and incorporating concealed LED lighting.



AAMC Building, Washington, DC

Architect: Shalom Baranes

Date: Various

Project: Aeon Preservation Services worked with Shalom Baranes Architects to provide fast-track assessment and conservation design services and QC for the exterior masonry restoration of four historic buildings in DC's Mount Vernon Square neighborhood. The four buildings were lifted off their foundations and moved off site during construction of the main tower and then brought back and restored. Work was done on behalf of Douglass Development. Aeon is currently working on a comparable project involving 14 historic structures across New York Avenue and adjacent to the Convention Center for the same team.



Relevant Experience: Recent Projects



National Gallery of Art, West Building, Washington, DC

Architects: John Russel Pope

Dates: 1941

Project: Aeon Preservation Services recently provided construction management support services, conservation, and QA/QC for exterior stone repairs at the National Gallery of Art. Aeon was responsible for interfacing with NGA using their eBuilder electronic project management system, mortar analysis, QA/QC inspections, submittals, work plan narratives, and drawings in close coordination with the prime contractor: Dan Lepore & Sons Co.

Central Heating & Refrigeration Plant, Washington, DC

Architect: Paul Phillippe Cret

Date: 1933

Project: Principal conservators for exterior masonry facade repair program. Aeon recently worked with Robert Silman Associates and Seal Engineering to develop a prioritized facade repair program for this important early modernist landmark. Work included selective removals and probes, high reach survey with a 135-foot man lift, binocular survey, cost estimating and preparation of construction documents. Aeon is now providing design/build project management and quality control services in collaboration with Federal Masonry Restoration to restore exterior masonry identified in our study.

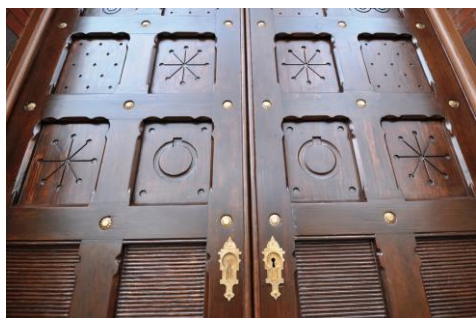


Sydney R. Yates Building, Washington, DC

Architect: James G. Hill

Date: 1878-1881

Project: The Yates Building, aka the Auditors Main Building, was originally built as the Bureau of Engraving & Printing. This Romanesque Revival building has a rich pressed brick facade with fine black butter joints. Aeon was retained by FLBE Inc. and DJB Roofing to provide ongoing QC and design/build services for historic roofing and masonry restoration.



Under separate contract Aeon was hired by GSA to restore the original wooden pocket entry doors, hardware, and leaded glass transom.

HMS Macedonian Monument, US Naval Academy, Annapolis, MD

Artist: Edward Berge

Date: 1810/1924

Project: Aeon Preservation Services completed the restoration of an historic monument erected in 1924 to commemorate the capture of the HMS Macedonian during the War of 1812. The monument is composed a painted wood figurehead, four late Eighteenth century cannon, and several bronze plaques on a concrete base. Aeon was hired to document, analyze, and treat the monument on a design/build basis.



Aeon worked closely with the SHPO and NPS to craft and implement a treatment strategy that met the requirements of the Navy while respecting the historic integrity of this unique monument. The monument was completely dismantled, a replica wood figurehead carved (with the original moved indoors for safekeeping) and installed, bronze plaques stripped and repatinated, and ornamental concrete repaired or replaced. The four cannon underwent full conservation treatment in Aeon's shop prior to being refinished and reinstalled.

Aeon also worked at the Naval Academy restoring the Mexican Monument, a c1848 marble and bronze monument commemorating Navy midshipmen who died during the Mexican American War.



Relevant Experience: GSA

Federal Trade Commission Building, Washington, DC

Architect: Edward H. Bennet **Date:** 1938

Project: Principal conservators for design/build conservation of original aluminum entryways. Aeon led a team in collaboration with ICM to restore the historic entrances. Work involved dismantling active historic entrances into their component parts, restoration, refinishing, and reinstallation with restored and new custom hardware. More recently Aeon undertook full masonry restoration and cleaning of limestone and granite facades including misting, steam cleaning, hot water pressure, chemical and microabrasive cleaning systems.

Veterans Affairs Building, Canopy Restoration, Washington, DC

Architect: Unknown **Date:** 1916-1918

Project: Aeon recently led a team to restore three large historic ornamental cast iron entrance canopies. The Veterans Affairs Building was originally built as a hotel and taken over to serve the Bureau of War Risk Insurance in 1919. Aeon first evaluated the cause and condition of severely corroded glass and iron entrance canopies. Aeon then coordinated and managed the restoration of those canopies on a design/build basis to their original appearance correcting significant deficiencies identified in our study, upgrading the canopy glass to meet code and incorporating concealed LED lighting.

Central Heating & Refrigeration Plant, Washington, DC

Architect: Paul Phillipe Cret **Date:** 1933

Project: Principal conservators for exterior masonry facade repair program. Aeon recently worked with Silman and Seal Engineering to develop a prioritized facade repair program for this important early modernist landmark. Work included selective removals and probes, high reach survey with a 135-foot man lift, binocular survey, cost estimating and preparation of construction documents. Aeon also completed management and QC services in collaboration with Federal Masonry Restoration to restore the exterior masonry identified in our study.

Sydney R. Yates Building, Washington, DC

Architect: James G. Hill **Date:** 1878-1881

Project: The Yates Building, aka the Auditors Main Building, was originally built as the Bureau of Engraving & Printing. This extraordinary Romanesque Revival building has a varied and rich pressed brick facade with fine black butter joints. Aeon was retained by FLBE Inc. and DJB Roofing to provide ongoing QC and design/build services for historic roofing and related masonry restoration. Under separate contract Aeon was hired by GSA to restore the original wooden pocket entry doors, hardware, and leaded glass transom.

E. Barrett Prettyman United States Courthouse, Washington, DC

Architect: Louis Justement **Date:** 1949

Aeon Preservation Services has performed two separate design/build contracts for this important mid-century modern building. This courthouse contains high level finishes inside and out. Aeon has restored 24 historic bronze entrance doors at the Constitution Ave and John Marshall Park entryways. Under a separate contract we have also restored interior marble and limestone in corridors and courtrooms as well as exterior limestone damaged in the 2011 earthquake.

Relevant Experience: National Park Service



Jefferson Memorial, Washington, DC

Architect: John Russel Pope (1874-1937)

Original Construction Dates: 1939-1943

Project: Principal architectural conservators for a design/build team restoring this unique historic landmark. Conservators developed a unique volute repair methodology to correct an inherent flaw in the column capitals and tested and implemented various marble cleaning techniques. In addition, we provided technical preservation support for the project team.



Lincoln Memorial, Washington, DC

Architect: Henry Bacon (1866-1924)

Original Period of Construction: 1914-1922

Project: Principal architectural conservators for a design/build team restoring this iconic memorial. Conservators focused on quality assurance for masonry restoration of the exterior, developed repointing specs and procedures for the Daniel Chester French sculpture of Lincoln, performed a laser scanning mock-up for documentation of roof-level bas-reliefs, and provided technical preservation support for the project team.



Sherman Monument, Presidents Park, Washington, DC

Artist: Carl Rohl Smith (1848-1900)

Date: 1903

Project: Principal conservators for the conservation treatment of the granite base of William Tecumseh Sherman Monument located in Presidents Park just south of the Treasury Building. Part of an overall landscape sculpture restoration project, Aeon was hired to assess the stone base and recommend cleaning treatments. Following an initial evaluation, Aeon went on to perform micro-abrasive cleaning of the stone using the Rotec Vortex cleaning system using superfine crushed recycled glass media. This project was completed in 2010 for NPS as a sub to The Christman Company.



Federal Hall National Historic Site, New York, NY

Architect: Ithiel Town & A. J. Davis; John Frazee

Original Dates of Construction: 1832-1844

Project(s): Construction documents for custom halogen museum lighting (1989); Restoration of interior painted finishes (1988); Exterior and interior marble cleaning (1987), and limited work on HSR for a nationally significant Greek Revival custom house and Sub-treasury building. Undertaken while employed as Historical Architect for the National Park Service.

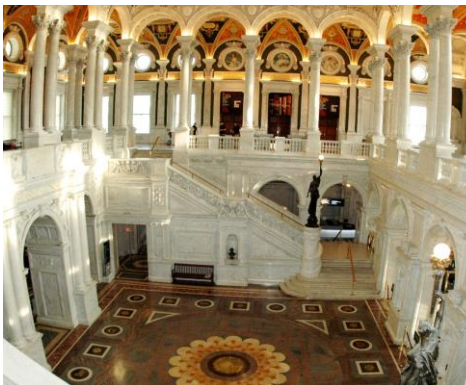
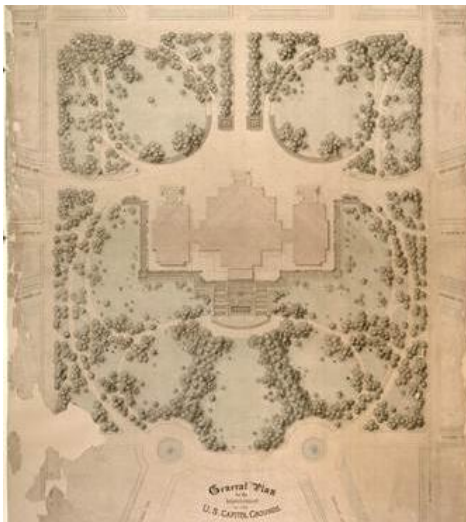


Volcano House, Hawaii Volcanoes National Park, Kilauea, HI

Architect: Charles Dickey **Date:** 1943

Project: Aeon Preservation Services in collaboration with Ortega Family Enterprises performed a fast-track evaluation of all historic preservation and maintenance issues at this historic hotel overlooking the Kilauea Volcano caldera on the Big Island of Hawaii. This mid-Century Modern classic hotel is an early variant of the rustic 'Parkitecture' style. Aeon is working with Ortega on this and various other hospitality projects nationwide.

Note: Projects prior to 2010 done while employed by John Milner Associates, unless noted.



Relevant Experience: Architect of the Capitol

Aeon's principals have worked on a number of projects for the office of the Architect of the Capitol usually as part of open-end contracts. We have had excellent relations with the AOC and have collaborated with them on a number of unique tasks. Aeon has been vetted by the US Capitol Police and has been recently badged for work on AOC properties.

AOC Reference: Kevin Hildebrand, Project Architect.

U.S. Capitol Grounds: Summerhouse Stabilization, Washington, DC

Architects: Thomas Wisedell, office of Frederick Law Olmsted **Dates:** 1880

Project: Principal conservators for survey, assessment, and stabilization of this unique brick structure set into the sloping hillside of the West Front lawn among the paths that lead from Pennsylvania Avenue to the Senate side of the Capitol. The Summer House is constructed in the form of an open hexagon with artistic tapestry brick used for its walls laid in geometric and artistic patterns to form volutes and other shapes.

U. S. Capitol Dome, Washington, DC

Architects: Charles Bullfinch and Thomas Ustick Walters

Dates: 1822, 1855-1865

Project: Principal conservators for sampling and testing historic mortars at the lower dome skirt level masonry walls.

Project: In 2011-2012 Aeon Preservation Services worked with the Gilbane Building Company/Christman joint venture performing on-call services for rehabilitation of the dome base and skirt area masonry and cast iron. Work includes QA services for paint removal and masonry condition assessment for the original Bullfinch-era stone walls. Documentation was conducted on hand-held ruggedized tablets in full harness on a fast-track basis at night.

U.S. Capitol Grounds: Survey of Olmsted Walls, Washington, DC

Landscape Architect: Frederick Law Olmsted **Date:** 1874

Project: Principal conservators for a detailed conservation and cultural landscape assessment of the historic Olmsted walls, piers, and lighting as part of a Facility Condition Assessment prepared in conjunction with Entech Engineering.

Great Hall Floor Wear Study, Library of Congress, Washington, DC

Architect: John L. Smithmeyer **Date:** 1890-1897

Project: Principal architectural conservators for a comprehensive forensic investigation of marble floor and stair tread wear at the Great Hall. Working with the Architect of the Capitol, our team investigated marble types, maintenance procedures, security issues, catered events, and other variables impacting floor wear and tear. Work included high density laser scanning of marble stair treads allowing us to develop highly detailed topographic maps showing the patterns and depths of marble wear on the stair treads.

Note: Projects prior to 2010 done while employed by John Milner Associates.



Relevant Experience: Museums

Red Cross Headquarters and Museum, Washington, DC

Architect: Trowbridge & Livingston **Construction Date:** 1917

Project: Principal architectural conservators for interior and exterior restoration of the two principal historic buildings on the Red Cross campus on 17th Street. Aeon conservators worked closely with Shalom Baranes Architects in the development of construction documents and provided extensive construction phase services. Exterior restoration included marble restoration, cleaning, consolidation, materials testing, and replication of altered features. Interior work included interior marble restoration, cleaning and restoration of interior woodwork. *Dan Lepore & Sons contractors*. Work performed while employed at John Milner Associates, Inc.

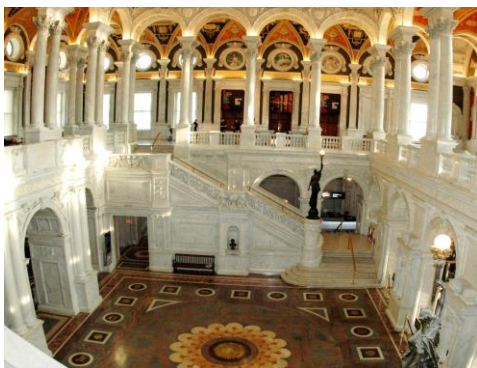


Corcoran Gallery of Art, Washington, DC

Architect: Ernest Flagg (1857-1947) and Charles Platt (1861-1933)

Construction Dates: 1897-1928

Project: Principal architectural conservators for a program for cleaning and restoring the marble and granite facades of the Corcoran using a fine-water spray and custom-built misting rigs. This chemical-free process allows removal of gypsum-based soiling without harm to delicate marble. Work also included full restoration of interior marble columns under separate contract. *Work performed while employed at John Milner Associates, Inc.*



Library of Congress, Washington, DC

Architect: Paul J. Pelz (1841-1918) & Edward Pierce Casey (1864-1940)

Construction Dates: 1888-1897

Project: Principal architectural conservators for a comprehensive forensic investigation of marble floor and stair tread wear at the Great Hall. Working with the Architect of the Capitol, our team investigated marble types, maintenance procedures, security issues, catered events, and other variables impacting floor wear and tear. Work included high density laser scanning of marble stair treads allowing us to develop highly detailed topographic maps showing the patterns and depths of marble wear on the stair treads. Work performed while employed at John Milner Associates, Inc.



National Gallery of Art, West Building, Washington, DC

Architects: John Russel Pope **Construction Date:** 1941

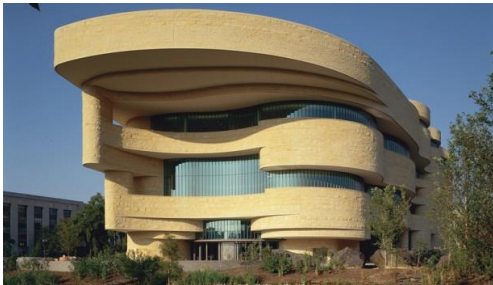
Project: Aeon Preservation Services recently provided construction management support services, conservation, and QA/QC for exterior stone repairs at the National Gallery of Art. Aeon was responsible for interfacing with NGA using their eBuilder electronic project management system, mortar analysis, QA/QC inspections, submittals, work plan narratives, and drawings in close coordination with the prime contractor: *Dan Lepore & Sons Co.* Work performed while employed at John Milner Associates, Inc.



National Gallery of Art, East Wing, Washington, DC

Architect: I.M. Pei **Construction Date:** 1978

Project: Aeon Preservation Services worked with Balfour Beatty/Smoot to assist them in the comprehensive façade rehabilitation program recently completed at this modernist icon. As part of this project over 17,000 stone panels were removed, refurbished and reinstalled. Aeon worked with CA Lindman to restore the exterior concrete to its original condition.



Relevant Experience: Museums, con't

Hirshhorn Gallery of Art, Washington, DC

Architect: Gordon Bunshaft **Construction Date:** 1974

Project: Principal architectural conservators for exterior restoration of this important museum of contemporary art. Aeon conservators worked closely with Cox Graae & Speck Architects in the development of a master plan looking at precast concrete panels and cast in place exposed aggregate concrete. Work included developing restoration/replication materials, aggregate research and sourcing, insitu repair, cleaning tests, and preservation review of all recommendations by other team members.

Freer Gallery of Art, Washington, DC

Architect: Ernest Flagg (1857-1947) and Charles Platt (1861-1933)

Construction Dates: 1897-1928

Project: Principal architectural conservators for a program for cleaning and restoring the ornamental bronze pocket doors at the north and south entrances, in two phases. Phase I was to restore basic functionality to rollers and operating mechanisms and to make recommendations on further improvements. Phase 2 included implementation of those recommendations including adding hand-holds, modifying internal guide rollers, and restoring lock functionality and included a number of custom made components.

National Museum of the American Indian, Washington, DC

Architect: Douglas Cardinal and others **Construction Date:** 2004

Project: Aeon was asked to restore the functionality to exterior entrances of the museum and to identify and correct a wide range of deficiencies. Aeon's team carefully reviewed all components of each door and repaired door hardware, closers, finishes, and weather seals at each of the primary entrances. Aeon also consulted on the main entrance, recommending a complete redesign of this entry point to provide the required service life and functionality.

Hillwood Museum & Gardens, Washington, DC

Architects: John Deibert **Construction Date:** 1926

Project: Aeon's principals maintained a long term relationship with Hillwood performing a wide range of projects including work on the mansion windows (including restoration of the breakfast room window); survey and reroofing of the Adirondack Building; survey of historic Cold War-era bomb shelters; and a survey of historic roofing. A key component of this relationship was maintaining a solid working relationship with the museum's curator and facilities staff. Work performed while employed at John Milner Associates, Inc.

Baum-Taft House/Taft Museum of Art, Cincinnati, OH

Architect: James Hoban (attributed) **Construction Dates:** 1820

Project: Principal architectural conservator for a conservation assessment and recommendations conducted in advance of a comprehensive rehabilitation and restoration of a c.1820s mansion containing a world class collection of old master artworks. Work performed while employed at John Milner Associates, Inc.



Relevant Experience: Federal Style Architecture

Point of Honor, Lynchburg, Virginia

Architect: Unknown Original

Date of Construction: 1806-1815 Project: Principal architectural conservator for exterior masonry restoration and repair. Work included extensive moisture evaluation and testing to address infiltration of moisture through historic masonry. Limited construction observation for Phase I repairs.

Baum-Taft House/Taft Museum of Art, Cincinnati, Ohio

Architect: James Hoban (attributed)

Date of Construction: 1820

Project: Principal architectural conservator for a conservation assessment and recommendations conducted in advance of a comprehensive rehabilitation and restoration of a c.1820s mansion containing a world class collection of old master artworks.

Charleston City Hall, Charleston, South Carolina

Architect: Gabriel Manigault

Construction Date: 1800-1804 Project:

Principal architectural conservators for a comprehensive marble façade restoration program. Constructed originally as a bank building, this Pennsylvania Blue marble structure serves as Charleston's City Hall. Work included stone selection, quality assurance, and construction observation. This included working with the sculpture and Polycore in Québec, Canada to recreate severe loss on unique column capitals.

Stabler Leadbeater Apothecary, Alexandria, Virginia

Architect: Unknown

Date of Construction: 1815-1820

Project: Project manager for a comprehensive historic structure report for a pair of row structures that have been employed as commercial apothecary buildings since their original construction and which contain innumerable artifacts and building features specific to that use.

Rose Hill, Winchester, Virginia

Architect: Unknown

Date of Construction: 1790-1840 Project:

Project manager for a comprehensive historic structure report for a 19th C. farm complex and a significant Civil War battlefield site owned by the Museum of the Shenandoah Valley.

Note: Projects prior to 2010 done while employed by John Milner Associates.



Relevant Experience: Colonial Architecture

McDowell Hall, St. Johns College, Annapolis, Maryland

Architect: Simon Duff

Original Construction Dates: 1742, 1789

Project: Principal architectural conservators for a detailed conservation assessment, construction documents, and construction observation for exterior restoration of sandstone and brick masonry for one of the oldest collegiate buildings in the U.S. Originally intended as the Governor's mansion the unfinished brick shell was given to the college after the Revolutionary War.



Lynnhaven House, Virginia Beach, Virginia

Architect: Unknown

Original Date of Construction: 1725

Project: Principal architectural conservator for a conservation assessment sponsored by Heritage Preservation's CAP Assessment Program and conducted for the Association for the Preservation of Virginia Antiquities. This 18th century Tidewater Virginia vernacular planters home is used as a house museum and is now owned by the City of Virginia Beach.



Kenmore Plantation, Fredericksburg, Virginia

Architect: Unknown

Original Date of Construction: 1775

Project: Principal developers of a comprehensive computerized maintenance management program for this prominent Colonial plantation home. The building is especially notable for its extraordinary plaster ceilings. Also performed a successful evaluation of laser scanning as a means of documenting the three-dimensional ornamental plasterwork.



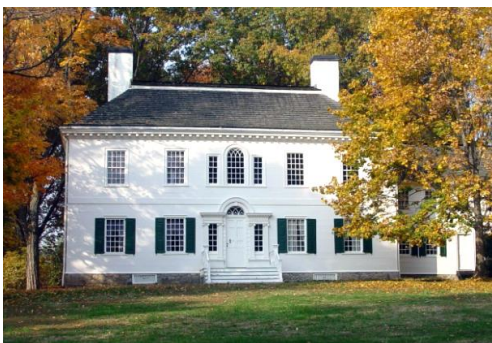
St. John's Church Broadcreek, Fort Washington, Maryland

Architects: Unknown

Original Date of Construction: 1766

Project(s): Project manager for preservation maintenance of one of the earliest Colonial churches in the Washington, DC area. Projects have included new interior and exterior lighting, design and installation of historically appropriate replacement windows, and graveyard monument cleaning & conservation. Gratis.

Ford Mansion, Morristown, New Jersey



Architect: Unknown

Original Dates of Construction: 1776

Project(s): Historical architect for exterior restoration and re-roofing with custom wood shingles. The Ford Mansion served as George Washington's headquarters during the Revolutionary War. Project executed while in the employ of the National Park Service.

Note: Projects prior to 2010 done while employed by John Milner Associates.

Relevant Experience: Twentieth Century

Red Cross Headquarters and Museum, Washington, DC

Architect: Trowbridge & Livingston **Construction Dates:** 1917

Project: Principal architectural conservators for interior and exterior restoration of the two principal historic buildings on the Red Cross campus on 17th Street. Aeon conservators worked closely with Shalom Baranes Architects in the development of construction documents and provided extensive construction phase services. Exterior restoration included marble restoration, cleaning, consolidation, materials testing, and replication of altered features. Interior work included interior marble restoration, cleaning and restoration of interior woodwork. *Dan Lepore & Sons contractors.*



Corcoran Gallery of Art, Washington, DC

Architect: Ernest Flagg (1857-1947) and Charles Platt (1861-1933)

Construction Dates: 1897-1928

Project: Principal architectural conservators for a program for cleaning and restoring the marble and granite facades of the Corcoran using a fine-water spray and custom-built misting rigs. This chemical-free process allows removal of gypsum-based soiling without harm to delicate marble. Work also included full restoration of marble. *Dan Lepore & Sons contractors.*



Jefferson Memorial, Washington, DC

Architect: John Russel Pope (1874-1937) **Construction Dates:** 1939-1943

Project: Principal architectural conservators for a design/build team restoring this unique historic landmark. Conservators developed a unique volute repair methodology to correct an inherit flaw in the column capitals and tested and implemented various marble cleaning techniques. Provided technical conservation services for the project team.



Terminal A, Washington National Airport, Washington, DC

Architect: Howard Lovewell Cheney (1889-1967)

Construction Dates: 1941-1948

Project: Principal architectural conservators for a comprehensive façade repair program of this modernist landmark that incorporated both traditional concrete repairs and state-of-the-art electrochemical re-alkalization as part of a long-term conservation strategy. This project received an Award of Excellence from the Concrete Repair Institute.



Strawbridge & Clothier Department Store, Philadelphia, PA

Architects: Simon & Simon (1880-1949) **Construction Dates:** 1928-1931

Project: Principal conservator for exterior limestone cladding failure problems at this mid-century landmark. Anchor failure and stone failure at the attachment point led to widespread spalling of the stone and displacement of stone panels. Repair to over one thousand stone cladding panels required reanchoring and stone repairs while maintaining full access and function to the store over multiple phases. Work also included partial dismantlement and reconstruction of stone and brick parapet walls. Work was done in multiple phases over a number of construction seasons. *Dan Lepore & Sons contractors.*



Note: Projects prior to 2010 done while employed by John Milner Associates.

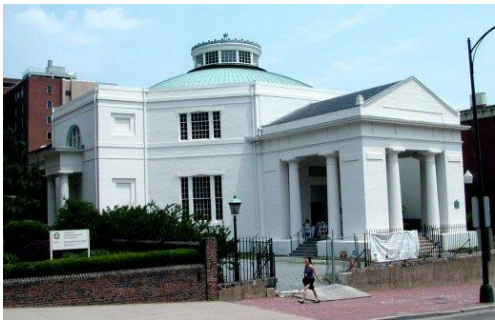


Relevant Experience: Ecclesiastical Architecture

St. John's Church Broadcreek, Fort Washington, Maryland

Architect: Unknown **Date of Construction:** 1766

Project(s): Project manager for preservation maintenance of one of the earliest Colonial churches in the Washington, DC area (originally established in 1692). Projects have included new interior and exterior lighting, design and installation of historically appropriate replacement windows, and graveyard monument cleaning & conservation. Gratis.



Monumental Church, Richmond, Virginia

Architect: Robert Mills (1781-1855) **Construction Date:** 1814

Project: Principal architectural conservators for a detailed conservation assessment and historic structure survey, site analysis, construction documents, and construction observation for exterior restoration. Project included laser scanning documentation for both building and sculpture, and conservation and replication of the Richmond Theater Fire Monument.



St Anne's Church, Annapolis, Maryland

Architect: Unknown **Date of Construction:** 1859

Project: Principal architectural conservator for a comprehensive exterior survey and restoration of this prominent Episcopal church in the heart of the Annapolis historic district. Work included materials analysis, testing, and CAD-based construction documents for masonry conservation, roofing, gutters, and cemetery monuments.



Luther Place Memorial Church, Washington, DC

Architect: Judson York, J.C. Harkness, and Henry Davis

Date of Construction: 1873

Project: Principal architectural conservators for exterior restoration of historic brownstone masonry. Work included mapping and sounding of all facades via self-propelled high reach, exploratory investigation of failing roof spire framing, preparation of a comprehensive report and construction documentation and construction observation for new repairs. Repair work included spire framing, custom patching, and new stone repairs over the entire building.



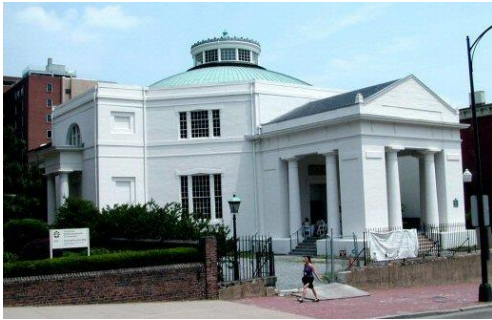
Cathedral of the Sacred Heart, Richmond, Virginia

Architect: Joseph H. McGuire **Date of Construction:** 1906

Project: Principal architectural conservators for interior and exterior conservation of this important Italianate Catholic Cathedral located in Richmond's historic Fan District. Work included mapping and sounding of all limestone facades via 120' self-propelled high reach, report preparation, construction documents for phased exterior restoration, and construction observation.

Note: Projects prior to 2010 done while employed by John Milner Associates.

Relevant Experience: Greek Revival Architecture



Monumental Church, Richmond, Virginia

Architect: Robert Mills (1781-1855) **Construction Date:** 1814

Project: Principal architectural conservators for a detailed conservation assessment and historic structure survey, site analysis, construction documents, and construction observation for exterior restoration of Aquia Creek sandstone and stuccoed brick facades. Project included laser scanning documentation for both building and sculpture, and conservation and replication of the Richmond Theater Fire Monument.



Portsmouth Naval Medical Hospital, Portsmouth, Virginia

Architect: John Haviland (1792 – 1852) **Construction Dates:** 1827-1833

Project: Principal architectural conservator for a comprehensive stone-by-stone survey of the nation's first formal military hospital. Work included materials analysis, testing, and CAD-based construction documents for masonry conservation of Aquia Creek sandstone facades, copper roofing, gutters, and sidewalk paving.



Virginia State Capitol, Richmond, Virginia

Architect: Thomas Jefferson (1743-1826)

Construction Dates: 1785-92; the two wings added 1904-06

Project: Principal architectural conservators for non-destructive evaluation of the interior and exterior including dataloggers for temperature and relative humidity, moisture mapping of interior and exterior walls, thermal imaging camera study, stucco thickness and characterization analysis, as well as crack mapping and sounding of all facades via 120' self-propelled high reach.



U. S. Treasury Department, Main Building, Washington, DC

Architects: Robert Mills, Thomas Ustick Walter, Ammi B. Young, Isaiah Rogers, and Alfred B. Mullet **Construction Dates:** 1836-1867

Project: Principal architectural conservators for interior rehabilitation and restoration of all interior historic materials impacted by 100-million-dollar rehabilitation project by Shalom Baranes. Developed conservation programs for the north plaza, west steps, iron entrance canopy, and historic concrete ceiling. Conservation of the *Albert Gallatin* and *Alexander Hamilton* statues. Paint Analysis of the West Dome.



Federal Hall National Historic Site, New York, NY

Architect: Ithiel Town & A. J. Davis; John Frazee

Construction Dates: 1832-1844

Project(s): Construction documents for custom halogen museum lighting (1989); Restoration of interior painted finishes (1988); Exterior and interior marble cleaning (1987), and limited work on HSR for a nationally significant Greek Revival custom house and Sub-treasury building. Undertaken while employed as Historical Architect for the National Park Service.

Note: Projects prior to 2010 done while employed by John Milner Associates, unless noted.



Relevant Experience: Military History

Aeon's principals have extensive experience in the preservation and maintenance of historic military installations. Our projects have ranged from early Nineteenth century fortifications in Louisiana to the conservation of monuments and sculpture at the U.S. Naval Academy in Annapolis. We have worked on maintenance plans for Fort Belvoir in Fairfax County, Virginia and for the US Coast Guard Facility on Governors Island, NY. We have performed HABS/HAER documentation for the Dutch Harbor Naval Station on Unalaska Island in the Aleutians and the Fort Carson Maneuver Base in Pinon Canyon, Colorado. Currently, we are preserving two large masonry structures at the Norfolk Naval Shipyard in Norfolk, VA. Some of these projects were for military clients and some are for private clients serving as stewards of former military sites.



HMS Macedonian Monument, US Naval Academy, Annapolis, MD

Artist: Edward Berge

Date: 1810/1924

Project: Aeon Preservation Services recently completed the restoration of an historic monument erected in 1924 to commemorate the capture of the HMS Macedonian during the War of 1812. The monument is composed a painted wood figurehead, four late Eighteenth century cannon, and several bronze plaques on a concrete base. Aeon was hired to document, analyze, and treat the monument on a design/build basis.

Aeon worked closely with the SHPO and NPS to craft and implement a treatment strategy that met the requirements of the Navy while respecting the historic integrity of this unique monument. The monument was completely dismantled, a replica wood figurehead carved (with the original moved indoors for safekeeping) and installed, bronze plaques stripped and repatinated, and ornamental concrete repaired or replaced. The four cannon underwent full conservation treatment in Aeon's shop prior to being refinished and reinstalled.



Fort Pike, New Orleans, Louisiana

Engineer: Simon Bernard

Original Date of Construction: 1819-1827

Project: Principal architectural conservator for a comprehensive assessment of historic brick masonry at Fort Pike which was built as part of an extensive coastal defense system ordered by President James Monroe in the wake of the War of 1812. The project was undertaken for the Louisiana Department of Culture, Recreation & Tourism and included laser scanning, condition assessment, and stabilization construction documents. Following extensive damage from Hurricane Katrina, we resurveyed the site and developed a comprehensive repair program and cost estimate for historic masonry walls, vaults, and visitor spaces.



Fort Jackson, Plaquemines Parish, Louisiana

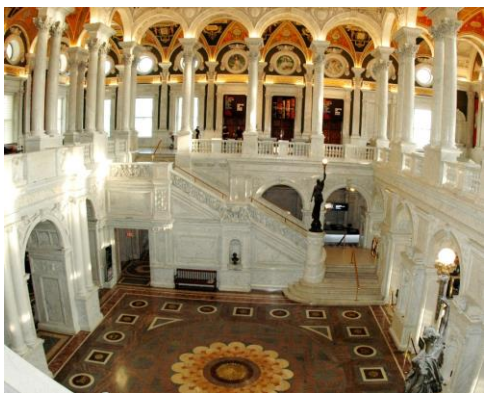
Engineer: Joseph G. Totten (1788-1864)

Original Date of Construction: 1822-1833

Project: Principal architectural conservator for a comprehensive assessment of historic brick masonry at Fort Jackson, a classic third system star fort. The project was undertaken for Plaquemines Parish following extensive damage from Hurricane Katrina. Project included survey and development of a comprehensive repair program for all historic masonry walls, vaults, and visitor spaces. Work included examination of the effects of long-term saturation of masonry and embedded metal artifacts in salt-water. Exterior masonry bastion walls were surveyed by boat.

Note: Projects prior to 2010 done while employed by John Milner Associates, unless noted.

Hilleary-Magruder House, 4703 Annapolis Road, Bladensburg, Maryland 20710
Phone 301.563.9308 | Fax 301.563.9309



Relevant Experience: Interiors

U. S. Treasury Building Modernization, Washington, DC

Architects: Robert Mills, Ammi B. Young, Thomas Ustick Walters, Isaiah Rogers, Alfred B. Mullet **Dates:** 1836-1869

Project: Principal conservators for interior rehabilitation and restoration of the Treasury Building. Projects included survey and assessment of all restoration zone materials impacted by the recent \$80 Million modernization program. Materials included marble, bronze, granite, ornamental plaster, historic paint finishes, cast iron, and wood. All work was done in conjunction with Shalom Baranes Architects. Paint analysis was also done on the West Dome.

DC Council Chairperson's Office, Wilson Building, Washington, DC

Architects: Cope & Stewardson **Date:** 1908

Project: Principal conservators for the restoration of interior woodwork in the office of the DC Council Chairperson and adjacent conference room. The woodwork was severely damaged by years of inappropriate maintenance and moisture damage and our team was brought in to develop and implement appropriate conservation treatments. Aeon worked in collaboration with AV Smoot to carefully strip and refinish all wood surfaces, replace damaged or missing panels, and restore the original luster to the woodwork.

John Paul Jones Crypt, U. S. Naval Academy Chapel, Annapolis, MD

Architect/Artist: Whitney Warren, Sylvain Salieres **Date:** 1913

Project: Principal conservators for the hands-on treatment of a large highly ornamental limestone and bronze sarcophagus containing the remains of John Paul Jones as well as the large limestone and marble crypt housing this impressive tomb. Work included micro-abrasive cleaning of crypt walls, cleaning and polishing floors and inscriptions, hand polishing of black and white Royal Pyrenees marble columns, and full conservation treatment of the tomb. This project was paid for by the Class of 1950 as their class gift.

Great Hall Floor Wear Study, Library of Congress, Washington, DC

Architect: John L. Smithmeyer **Dates:** 1890-1897

Project: Principal architectural conservators for a comprehensive forensic investigation of marble floor and stair tread wear at the Great Hall. Working with the Architect of the Capitol, our team investigated marble types, maintenance procedures, security issues, catered events, and other variables impacting floor wear and tear. Work included high density laser scanning of marble stair treads allowing us to develop highly detailed topographic maps showing the patterns and depths of marble wear on the stair treads.

Note: Projects prior to 2010 done while employed by John Milner Associates.



Relevant Experience: Shalom Baranes Architects

U. S. Treasury Department, Main Building Modernization, Washington, DC

Architects: Robert Mills, Thomas Ustick Walter, Ammi B. Young, Isaiah Rogers, and Alfred B. Mullet **Dates of Construction:** 1836-1867

Project: Principal architectural conservators for interior rehabilitation and restoration of all interior historic materials impacted by 100-million-dollar rehabilitation project by Shalom Baranes. AIA Award for Excellence.

Under separate projects also developed conservation programs for the north plaza, west steps, iron entrance canopy, and historic concrete ceiling. Conservation of the *Albert Gallatin* and *Alexander Hamilton* statues. Paint Analysis was also done on the West Dome.

Terminal A, Washington National Airport, Washington, DC

Architect: Howard Lovewell Cheney (1889-1967)

Construction Dates: 1941-1948

Project: Principal architectural conservators for a comprehensive façade repair program of this modernist landmark that incorporated both traditional concrete repairs and state-of-the-art electrochemical re-alkalization as part of a long-term conservation strategy. Work included all material testing, construction documents, construction observation, quality assurance, and as-built documentation. This project received an Award of Excellence from the Concrete Repair Institute.

American Red Cross Headquarters & Museum, Washington, DC

Architect: Trowbridge & Livingston (1889-1967) **Construction Date:** 1917

Project: Principal Architectural Conservators for interior and exterior marble conservation program. Conservators took samples of the marble and tested a variety of possible consolidation treatments for the partially disaggregated marble facades. Treated samples were evaluated for water vapor transmission rates in a controlled temperature and humidity chamber in their Alexandria lab. Conservators developed restoration procedures for interior woodwork and features. Based on field evaluation and lab testing, Aeon conservators worked closely with SBA to prepare drawings and specifications for repair and restoration of historic interior and exterior building materials. Construction was completed in 2006. The project received an Excellence in Historic Resources Award from the DC chapter of the AIA.

Aeon's conservators have had the privilege of collaborating with architects from Shalom Baranes on a wide range of historic masonry & other restoration projects. Projects include AAMC, Square 450, DC City Hall Chambers, DOI Secretary of the Interior's Suite, and Robinson Terminal. In all cases we have formed a close, collegial working relationship allowing the project team members to each focus on achieving award-winning preservation work throughout Washington DC.

Shalom Baranes, 1010 Wisconsin Ave NW #900, Washington, DC 20007

Firm References: Gerry Tritschler, AIA, Principal: gtritschler@sbaranes.com

Bob Booher, RA, Principal: bbooher@sbaranes.com

Melissa Hendrix, AIA, Principal: mhendrix@sbaranes.com

Note: Projects prior to 2010 done while employed by John Milner Associates.



Firm Capabilities: Metals Conservation

Aeon Preservation Services has a wide range of experience in the assessment and treatment of architectural metals. Metal is used in an astonishing array of materials and techniques from roofing to structure, from ornamental features to full sculptural elements. In each case we approach to project with a high degree of integrity and care to preserve the patina, artist/architect's intent, and the element's subtle qualities while addressing often challenging performance requirements. Aeon has also worked on the preservation of insitu metal features in stabilized ruins such as at the Tredegar Ironworks and at Fort Jackson.

Veterans Affairs Building, Canopy Restoration, Washington, DC

Architect: Unknown **Dates:** 1916-1918

Project: The Veterans Affairs Building was originally built as a hotel and taken over to serve the Bureau of War Risk Insurance in 1919. Aeon led a team to forensically evaluate the cause and condition of severely corroded glass and iron entrance canopies. Aeon recently completed restoring those canopies to a more original appearance and correcting the significant deficiencies identified in our study, as well as upgrading the canopy glass to meet code. Work included restoration and replication of ornamental cast iron; restoration and limited replacement of historic structural steel; fabrication of new stainless steel drain pans and flashings; fabrication of new custom structural muntins; new glass; and new custom LED lighting.

Federal Trade Commission Building, Washington, DC

Architect: Edward H. Bennet **Date:** 1938

Project: Principal conservators for conservation of original aluminum entryways. Aeon is leading a team in collaboration with Independent Custom Metalworks to restore the historic entrances to the FTC Building. Work involves dismantling active historic entrances into their component parts, metal reconstruction, refinishing, and reinstallation with restored and new custom hardware. Aeon completed for first two entryways in 2011 and completed five additional entryways in 2013.

HMS Macedonian Monument, US Naval Academy, Annapolis, MD

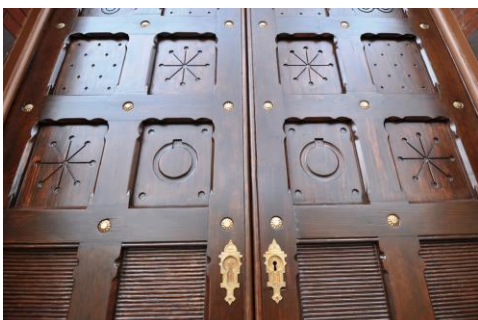
Architect: Edward Berge **Dates:** 1810 & 1924

Project: Aeon Preservation Services is working on the restoration of a hybrid monument erected in 1924 to commemorate the capture of the HMS Macedonian during the War of 1812. The monument includes a painted wood figurehead taken from the ship as well as four late 18th century cannon, and several bronze plaques on a concrete base. Aeon was hired by the USNA Foundation to lead a team in the documentation, analysis, and treatment of this monument. As part of this work Aeon performed a four-month electrochemical corrosion reduction on the four cannon prior to treatment, painting and reinstallation.

Sydney R. Yates Building, Washington, DC

Architect: James G. Hill **Dates:** 1878-1881

Project: The Yates Building, aka the Auditors Main Building, was originally built as the Bureau of Engraving & Printing. This extraordinary Romanesque Revival building has a varied and rich pressed brick facade with fine black butter joints. Aeon was hired by GSA to restore the original wooden pocket entry doors, hardware, and leaded glass transom. Aeon's conservators sourced antique replacement hardware and restored all rollers, bronze buttons, pulls, locks, and door components. Wood was stripped, restored and stained. The leaded glass transom was removed, restored and reinstalled.





Firm Capabilities: Metals Conservation, con't

Freer Gallery of Art, Washington, DC

Architect: Ernest Flagg (1857-1947) and Charles Platt (1861-1933)

Dates: 1897-1928

Project: Principal architectural conservators for a program for cleaning and restoring the ornamental bronze pocket doors at the north and south entrances, in two phases. Phase 1 was to restore basic functionality to rollers and operating mechanisms and to make recommendations on further improvements. Phase 2 included implementation of those recommendations including adding hand-holds, modifying internal guide rollers, and restoring lock functionality and included a number of custom made components.

E. Barrett Prettyman United States Courthouse, Washington, DC

Architect: Louis Justement **Date:** 1949

Aeon Preservation Services has performed two separate design/build contracts for this important mid-century modern building. Built to house the United States District Court for the District of Columbia, the building contains high level finishes inside and out. Aeon has restored 24 historic bronze entrance doors at the Constitution Ave and John Marshall Park entryways. Under a separate contract we have also restored interior marble and limestone in corridors and courtrooms as well as exterior limestone damaged in the 2011 earthquake.

National Museum of the American Indian, Washington, DC

Architect: Douglas Cardinal and others **Date:** 2004

Project: Aeon was asked to restore the functionality to exterior entrances of the museum and to identify and correct a wide range of deficiencies. Aeon's team carefully reviewed all components of each door and repaired door hardware, closers, finishes, and weather seals at each of the primary entrances. Aeon also consulted on the main entrance, recommending a complete redesign of this entry point to provide the required service life and functionality.

Mexican War Monument (formerly Midshipmen's Monument), US Naval Academy, Annapolis, MD

Architect: Sculpture Designed by R.A. Griffith and carved and assembled by John Stephenson **Date:** 1848

Project: Aeon Preservation Services was asked to conserve the monument built to commemorate the memory of midshipman that lost their lives in the Mexican war. Metal work included steam cleaning Spanish 12-pounder bronze cannons. It also involved restoring the bronze cannons' iron bases and cleaning and repatination of existing and new bronze plaques. The Vermont Danby marble sculpture was also restored including fabrication of missing elements that required removal of large marble cannons for laboratory work and duchmen of marble cannons. Duchmen of the granite base stone resetting displaced stones was also done. The entire monument was cleaned and repointed.



Relevant Experience: Marble Conservation

Aeon Preservation Services has extensive experience in marble conservation and treatment. We have worked on all phases of marble restoration and repair, materials testing and analysis, and quality control at all phases including stone selection, carving of new elements, repointing, Dutchmen, consolidation, dismantling and reconstruction, and cleaning. For marble cleaning we have employed nebulized mist, steam, hot water pressure washing, poultice, and other minimally invasive techniques. We have worked on marble monuments, interiors, and whole building facades with projects dating from the early 19th century through Mid-Century Modern structures and monumental iconic buildings from the mid Twentieth Century. In all of our marble conservation work we go to great lengths to preserve the integrity of the original stone surface and character. Both of Aeon's principals are AIC Professional Associates and are well versed in aspects of marble conservation, cleaning, and treatment.

Mexican Monument, U.S. Naval Academy, Annapolis, MD

Artist: Unknown

Construction Date: 1848

Project: Principal conservators for conservation and stabilization of the first monument erected on the Naval Academy grounds. Erected in 1848, the monument commemorates Navy midshipmen killed during the Mexican American War. Work includes marble Dutchmen, repointing, cleaning (poultice, mist, chemical, and steam), replication of lost or damaged elements, and full restoration of ornamental cast iron cannon bases. 2015 Budget: \$100,000

Client Contact: Sara Philips, (410) 293-1516



Corcoran Gallery of Art, Washington, DC

Architect: Ernest Flagg

Original Construction Dates: 1897

Project: Principal architectural conservators for a 2008 program for cleaning and restoring the marble and granite facades of the Corcoran using a fine-water spray and custom-built misting rigs to remove gypsum-based soiling without harm to the delicate marble. Work also included consolidant testing, cleaning testing, construction documents, QC/QA, project management, and grant writing for full restoration of marble facades. Budget: \$1,200,000.00

Client Contact: Dare Hartwell, Curator (retired), (202) 639-1722



National Gallery of Art, Washington, DC

Architect: John Russell Pope

Original Construction Dates: 1937

Project: In 2012 Aeon's conservators worked as a member of the construction team in collaboration with Dan Lepore & Sons to restore the north facade and portico at the National Gallery. Work included careful cutting out and repointing of the facades, selective dutchman repair, restoration of brick parapets, and mist cleaning of all facades. Aeon was responsible for project management, photo-documentation, materials testing, QA/QC, client interaction, and electronic document control. Budget: \$3,000,000

Client Contact: Bill Cross, NGA Architect (202) 842-6194



J. Barrett Prettyman Courthouse, Washington, DC

Architects: Louis Justement (1891-1968) **Original Construction Dates:** 1949-50

Project: Principal conservator and contractor for multiple projects performed in 2014. One of these projects was for repair of earthquake damage in interior and exterior stone. On the inside ornamental polished marble wall and entry elements were cracked and displaced. These were carefully brought back together, reinforced, and refinished to make a seamless repair. On the exterior cracked limestone was grouted and all open joints repointed.

Client Contact: Robert Graf, GSA (202) 273-0155



Relevant Experience: Marble Conservation, con't

Red Cross Headquarters and Museum, Washington, DC

Architect: Trowbridge & Livingston; **Construction Date:** 1917

Project: Architectural conservators for interior and exterior restoration of the two principal historic buildings on the Red Cross campus on 17th Street. In 2005-06 Aeon conservators developed construction documents and provided extensive construction phase services and quality control for exterior restoration including marble restoration, cleaning, consolidation, materials testing, and replication of altered features at walls, steps, and site walls. Aeon conservators did all materials testing for consolidants (WVTR), water mist cleaning, dutchmen repairs, and self-performed cleaning of bronze staining on marble cheek walls using a custom blended ammonium citrate poultice. 2005 Budget: \$6,000,000

Client Contact: Bruce Hollingsworth, (202) 942-2624

Jefferson & Lincoln Memorials, Washington, DC

Architects: Jefferson (1943) John Russell Pope; Lincoln (1922) Henry Bacon

Project: Architectural conservators for a design/build team restoring these iconic historic landmarks. Conservators developed a unique volute repair methodology to correct flaws in the Jefferson Memorial column capitals and poultice cleaning of metallic stains on marble in addition to other cleaning techniques. Provided technical conservation services for the project team including mortar analysis for the statue of Lincoln and quality control for marble dutchmen and crack repairs. With McKissack & McKissack & William V. Walsh Construction. Construction 2004-2006; Budget: Jefferson: \$13,000,000/Lincoln: \$18,000,000

Client Contact: Catherine Dewey, (202) 619-7107

Richmond Theater Fire Monument, Monumental Church, Richmond

Architect/Artist: Robert Mills, Antonio Capellini, **Date:** 1814, 2006

Project(s): Principal conservators for the conservation, dismantlement, storage, and laser scanning of a c.1814 marble monument designed by architect Robert Mills and sculpted by Antonio Capellini. Work included computer modeling, restoration of lost detail, and sculpting of a new replica using both cnc milling and hand methods from a six-ton block of Greek Thassos marble. The original sculpture was consolidated and dismantled with elements housed in special cases and stored for future display. Construction: 2005-2006; Budget: \$165,000

Client Contact: Sarah Whiting, APVA, (804) 648-1889 ext. 320

Charleston City Hall, Charleston, South Carolina

Architect: Gabriel Manigault **Original Construction Date:** 1800-1804

Project: Principal architectural conservators for a comprehensive marble façade restoration program. Constructed originally as a bank building, this Pennsylvania Blue marble structure serves as Charleston's city hall.

As part of a 2004 comprehensive building renovation Aeon's principals performed a detailed stone by stone survey of the façade, performed materials testing, sourced replacement marble, developed construction documents, developed all treatment protocols, and provided QA/QC services including shop visits to Canada to observe new stone carving.

Memorial Amphitheater, Arlington National Cemetery, Arlington, VA

Architect: Carrère and Hastings **Original Construction Date:** 1918

Project: Principal architectural conservators for a comprehensive marble façade investigation in 2003 required to develop a scope and budget for restoration of the facades. Work included survey, report, drawings, materials testing and chemical cleaning testing of poultices to remove metallic and biological staining.



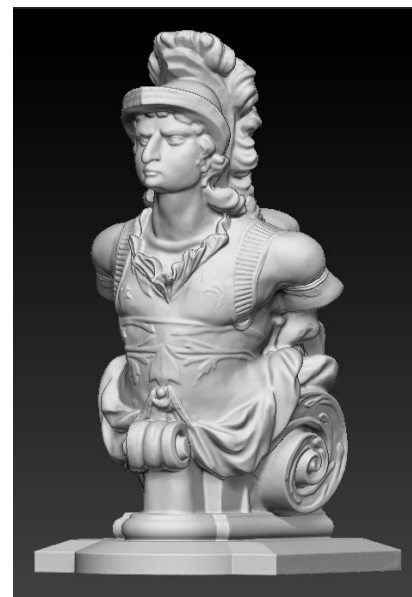
Firm Capabilities: Monument Conservation - HMS Macedonian Monument, U. S. Naval Academy, Annapolis, Maryland

Client Contact: Sara G. Phillips, R.A, AIA, Architect of the Naval Academy, 410-293-1516, phillips@usna.edu

Artist: Edward Berge **Date:** 1810/1924 **Project Budget:** \$ 250,000

Project: Aeon Preservation Services LLC was hired by the U.S. Naval Academy Foundation to perform a comprehensive assessment and treatment program for the HMS Macedonian Monument located at the south end of Stribling Walk in the heart of the Naval Academy campus. Aeon was initially brought in by Direct Dimensions Inc. on a project involving the laser scanning and replication of the figurehead. Aeon was subsequently hired to manage the restoration of the monument erected in 1924 to commemorate the capture of the HMS Macedonian during the War of 1812. The monument was composed a painted wood figurehead taken from the ship as well as four late Eighteenth century cannon, several bronze plaques on an ornamental concrete base. Aeon was hired to document, analyze, and treat the monument on a design/build basis.

Aeon worked closely with the SHPO and NPS to craft and implement a treatment strategy that met the requirements of the Navy while respecting the historic integrity of this unique monument. The monument was dismantled and each component treated in a manner best suited for each element. The original figurehead had been encased in fiberglass in the 1960s and was in poor condition. The original was laser scanned, digitally restored based on historic photographs, and a replica wood figurehead carved (with the original moved indoors for safekeeping) and installed. The bronze plaques were stripped of corrosion and encrustations, repatinated, and waxed. The ornamental concrete was restored using Jahn patching mortars to match the original appearance and texture including casting new benches, cap, and cannon supports. The four cannon underwent full conservation treatment in Aeon's shop prior to being refinished and reinstalled. This involved coating removal, a five-month electrolytic chloride reduction treatment, iron phosphate conversion, and recoating.



Pre-restoration view with laser scanner; historic image of figurehead; digital model of figurehead



Milled wood figurehead replica; restored plaque; cannon conservation; replica figurehead installation



Restored monument after concrete restoration and reassembly

Project Profiles: Historic Concrete and Cast Stone

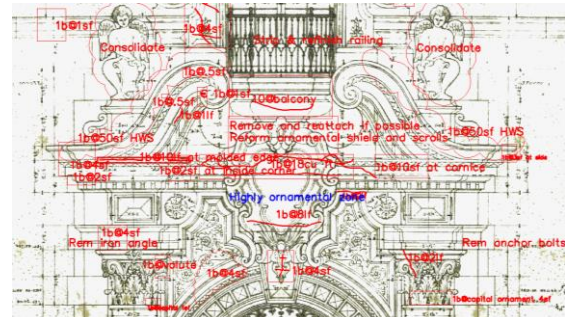
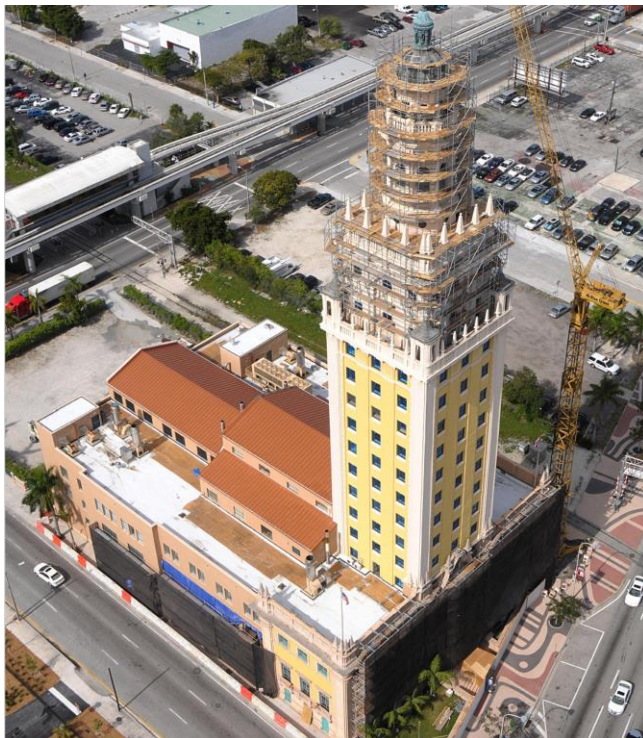
Freedom Tower/Miami News Building, Miami, Florida

Aeon Preservation Services performed a detailed façade assessment of the historic Miami Freedom Tower. Designed by the renowned hotel architects, Schulze & Weaver of NYC in 1924, the Freedom Tower was originally constructed to serve as the headquarters of the Miami News. In the mid-Twentieth Century it was owned by the Federal Government and gained prominence serving as South Florida's equivalent to Ellis Island for Cuban immigrants entering the US. Now owned by Miami Dade College, the building will serve a new generation as an educational building and museum.

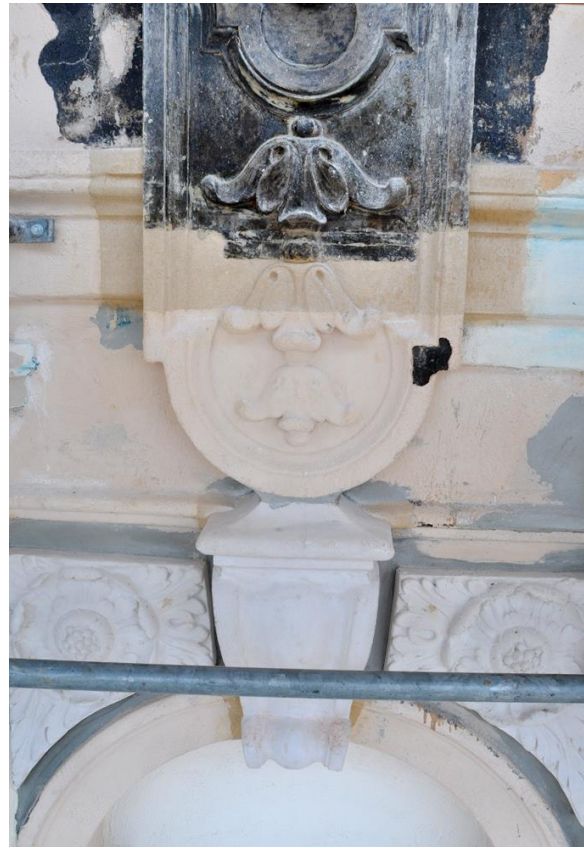
General Contractors Kaufman Lynn of Boca Raton selected Aeon after a national search for experienced conservators who were able to work with them under an aggressive schedule to survey and document existing conditions and repair strategies for the Baroque Neoclassical concrete, cast stone and stucco façades. Aeon conservators surveyed the entire façade over a three week period accessing wall areas using fixed scaffolding, swing stage, and self-propelled high reach. Aeon also located missing original drawings located at the Wolfsonian archive providing critical supporting data.

Aeon worked closely with the Contractor, subcontractors, and owner to identify all work areas on the facades, define detailed scope for repair and restoration in compliance with historic preservation requirements, performed ongoing project management and QC, and generally supported the project objectives while meeting all cost and schedule requirements. This project has received numerous awards and Aeon received high marks from the owner, architect, and contractor for their critical role.

Project Photos:



Freedom Tower access was provided by Kaufman Lynn using fixed scaffold at top and bottom and swing stage for the tower shaft (bottom areas were accessed by self-propelled high reach). Conditions were noted using hand-held ruggedized tablets directly on CAD drawings or overlaid on original drawing scans, as required.



Upper tower repairs included a combination of in-kind replacement, Jahn patching, and conservation treatment.



Lower level concrete was uncoated and repairs included careful cleaning and removal of biological staining, Jahn mortar patching, and selective in-kind replacement.

Testimonial: "Aeon Preservation Services was instrumental in making the Miami Freedom Tower Restoration a success. Their technical knowledge and expertise, combined with their extensive background in architectural history were critical on this project. The entire project team relied heavily on Aeon to guide us through this complex project, to communicate difficult technical restoration concepts to the project Owner, and to keep us on schedule. Most importantly, however, Aeon was able to balance the demands of a historic restoration project with the reality of the Owner's budget to provide them with the very best value for their investment. I look forward to someday working together again with Aeon Preservation Services."

Ben Baffer, Project Manager, Kaufman Lynn Construction

Awards: 2013: ENR 'Best of the Best'; 2012 ENR/SE Restoration/Renovation; 2012 Florida Trust; 2012 Dade Heritage Trust



Firm Capabilities: Conservation Treatment

Project: Ariel Rios Building – Restoration of Four Mankato Stone Lobbies

Represents: This project represent our ability to evaluate, test, plan, and execute a complex architectural conservation project within a secure environment on time and on budget with minimal impact to building occupants.

Client: General Services Administration

Contact: Thomas G. McDowell, PA, AIC, Assoc., AIA, Architectural Conservator

Location: Ariel Rios Building, 1200 Pennsylvania Ave. NW Washington, DC 20004

Status: Phase 1 Assessment: NTP Feb. 17, 2009, Completed March 31, 2009

Phase 2 Implementation: NTP September 18, 2009, Completed October 15, 2009

Award Amt: Ph1: \$15,835; Ph 2: \$203,906 Awarded to McKay Lodge, Inc. General Contractor (John Milner Associates, Inc. and Dan Lepore & Sons as principal subcontractors)



(Images Above) Ariel Rios 3rd Floor lobby after treatment. All work was done at night with minimal disruption to building users. (Right) Senior Architectural Conservator Lane Burritt during pretreatment evaluation and testing.



with three dimensional tonalities to a flat, gray, drab appearance. The walls had been chemically burned from the use of inappropriate cleaners; had residue from floor waxing activities; and many prior repairs. Testing revealed that only rehoning the surface could restore the original color, depth, and appearance.

The Ariel Rios Building has four 1930's era lobbies on the 1st and 3rd floor that are primarily clad in cream color Mankato Limestone. Over time, the appearance of the space has been compromised by surface damage and cleaning activities. The walls have gone from a predominantly amber multicolored stone

Honing is a wet polishing technique where a high-grit diamond pad is placed on a tool with a rotating pad. Honing removes a trace of surface material and was not taken lightly as it is an invasive procedure however the surface was too deeply etched to permit chemical cleaning.



(Image Above) Left side shows honed finish, right side shows the surface prior to treatment.

McKay Lodge served as the general contractor for this project with Aeon's conservators (while still employed by John Milner Associates, Inc.) performing testing, evaluation, chemical treatment, project supervision and reporting. Dan Lepore & Sons performed the wet honing of the stone surface under close supervision by the project conservators.

During the implementation phase, all work had to be done at night to avoid inconveniencing occupants by closing one of the high-traffic lobbies during working hours. Since the honing is a wet process, protection and containment of the runoff water and stone residues was critical. Also since the Ariel Rios Building is the home of the EPA, all work was done with virtually no use of chemical cleaners and solvents.

Work was done on a fast-track basis to minimize field time and to ensure that a top-quality end-product was the result. The crews worked four ten-hour days over a period of four weeks. All work was completed within the scheduled time, and with no impact to occupants. Treatment was documented in general conformance with the AIC Guide to Digital Photography and Conservation Documentation.

Note: Project was undertaken while Mr. Narvaez was Principal Architectural Conservator and Senior Associate in charge of the Preservation Technology Group at John Milner Associates, Inc. Ms. Burritt was Senior Architectural Conservator and the supervising conservator for all technical and field supervision and conservation testing on this project.



(Image Above) Extensive protection of adjacent wall surfaces was required to minimize any impact from overspray. (Below) Worker honing the wall surface with a hand-held polisher.





Project Profiles: Historic Masonry

Samuel R. Yates Building, Washington, DC

Aeon conservators were asked to assess and conserve historic masonry at the main entrance of the historic main building of the original c1878 Bureau of Engraving and Printing Headquarters building, now known as the Yates building (also as the “Auditor’s Main Building”).

Project Photos:



(Top) Samuel R. Yates Building



(Left) The focus of Aeon’s project is conservation of historic masonry at the main entryway being damaged by pervasive moisture intrusion from the balconette, above. Materials evaluated for conservation include Ohio sandstone, Mount Airy granite, and six different types of glazed and unglazed tapestry brick surround the entrance exterior and within the stairway within. Work also included assessment of ornamental wood doors, hardware, and stained glass.



Firm Resources: Mobile Lab and Project Trailer

Aeon Preservation Services is constantly looking for ways to enhance our services to our clients. Currently we are in the final stages of completing our mobile lab using a modified 1969 Airstream Overlander International as a base for the project. The 27-foot trailer's previous owner had stripped out all the beds and seating to modify it for use as a catering trailer.

Our modifications have included stripping out all propane appliances and components, painting the interior, installing a new diamond pattern PVC floor, modification and repair of existing cabinetry, and installing new custom stainless steel work surfaces. Exterior renovations have been kept to a minimum but have included new LED running lights, window restoration, and a whole host of other minor repairs.

The goal of the mobile lab has three objectives. First, to provide a project trailer for Aeon projects requiring an extended on-site presence. Second, to enhance our field lab capability and provide additional technical work space. Third, recognizing that many of our projects are in the public eye; to provide a place for public interaction and display; to provide for project interpretation; and to promote the field of architectural conservation.

Work Space

The forward area contains two stainless steel work tables and a full microscope station. This permits space for two or three people or the tables can be joined to create meeting/layout space. The tables can be removed to provide display area or provide for larger equipment depending on the specific project.

At the rear of the trailer is a wet work area containing a counter and full three-bay stainless steel sink with a built-in eye wash station.

Storage

We have retained all of the original walnut veneer cabinetry of the original Airstream and added built in tool storage drawers and a small refrigerator for crew use. This provides plenty of storage space for the type of field equipment and gear we would need on a typical project.

Fume Extraction

For wet chemical lab work such as mortar analysis we have a Flow Sciences laminar flow acrylic ductless fume hood with a stainless steel filter cartridge assembly containing an acid/organic solvent filtration cartridge. The filtration system draws air down through the filter and vents it to the exterior.

Safety Features

In addition to the eye wash station noted above, the trailer has a second eye safety station. We have a small wooden bench top SciMatCo acid/corrosives cabinet at the rear work station. The trailer has a fire extinguisher and a Safety Data Sheet hazard communication station containing our safety plan and any relevant MSDS/SDS sheets. The rear counter area has a full first aid station.

Future Enhancements

Aeon has completed the first stage of the project. Future stages involve enhancing the exterior by renovating the canopy, cleaning and polishing the aluminum shell, and installing exterior signage.



ALFONSO A. NARVAEZ, PRINCIPAL

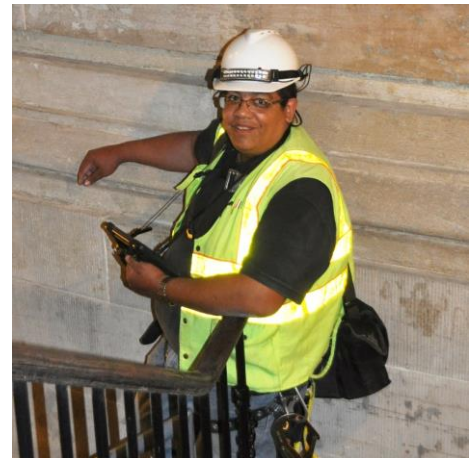
SECURITY CLEARANCE: GSA HSPD-12 / AOC BADGE / DOD RAPIDGATE

EXPERIENCE PROFILE

Mr. Narvaez is a founding principal at Aeon Preservation Services.

A senior architectural conservator with nearly thirty years' experience in the technical preservation of historic buildings and monuments nationwide, Alfonso worked for John Milner Associates, Inc., a national consulting firm specializing in architecture, conservation, landscape architecture, archeology, and planning for historic properties and sites for over twenty years, before leaving to establish an independent practice. Prior to JMA, he worked as an Historic Architect for the National Park Service, North Atlantic Historic Preservation Center.

Alfonso teaches four seminars for the National Preservation Institute on holistic stewardship of museums, historic structure reports, historic building materials, and preservation maintenance at locations throughout the U.S. He is a Professional Associate member of the American Institute for the Conservation of Historic and Artistic Works (AIC) that governs both objects and architectural conservators. Jahn & Rotec certified.



PROFESSIONAL EXPERIENCE

- 2010-present **Aeon Preservation Services LLC**, 4703 Annapolis Rd., Bladensburg, MD, Co-founder and Principal for a small historic preservation practice focused on business development, construction management, and technical preservation services for an elite group of contractors and architects providing specialized historic preservation services nationwide.
- 1997-present **National Preservation Institute**, Faculty member for a non-profit organization that provides professional training nationwide for the management and preservation of historic resources through one and multi-day seminars.
- 1997-2010 **John Milner Associates, Inc.**, 5250 Cherokee Ave, Suite 300 Alexandria VA. Senior Associate and Principal Architectural Conservator and department manager for JMA's Preservation Technology Group.
- 1989-1997 **John Milner Associates, Inc.**, 535 N. Church St, West Chester, PA., Architectural Conservator and Project Manager, Building Materials Conservation department.
- 1989 **National Park Service**, Rocky Mountain Regional Office, 12795 West Alameda Parkway, Lakewood, CO. Historical Architect supervising a HABS team in southeastern Colorado.
- 1985-1989 **National Park Service**, North Atlantic Historic Preservation Center, 26 Wall Street, New York, NY. Historical Architect in the New York metropolitan region.
- 1985 **National Park Service**, Alaska Regional Office, 2525 Gambell Street, Anchorage, AK. Architectural Technician on a HABS team documenting WWII sites in the Aleutian Islands.

ACADEMIC EXPERIENCE

- 1984-1986 **Columbia University**, Graduate School of Architecture, Planning and Preservation: Master of Science in Historic Preservation. Major: Preservation Design with a concentration in Architectural Conservation. Degree awarded May 1993.
- Thesis:** *Interpretive Reuse of the Coal Street Generating Station, Newark, NJ*, 1993, detailed the adaptive reuse of a c.1889 urban power station as an exhibition hall, theater, and arcade.
- Award:** *1993 Kinne Memorial Traveling Fellowship*: Photographic documentation and analysis of 15 Mayan ruin sites in the states of Yucatan, Chiapas, and Quintana Roo, Mexico following in the footsteps of 19th C. explorer and architect Frederick Catherwood.
- 1980-1984 **Cornell University**, College of Architecture, Art and Planning: Bachelor of Science in Urban Studies with concentrations in Architecture and Historic Preservation.

TEACHING EXPERIENCE WITH NATIONAL PRESERVATION INSTITUTE

- 2000-present *Customized Training in Preservation Maintenance*, through the National Preservation Institute, part- and full-day seminars for institutional clients such as the Dept. of State, U.S. Military, Stanford University, and the Smithsonian Institution.
- 2000-present Seminar: *Historic Property Management*, for the National Preservation Institute, various locations and dates (most recently at Fort Wainwright, Alaska).
- 2000-present Seminar: *Preservation Maintenance I & II*, for the National Preservation Institute, various locations and dates (most recently at Mount Vernon and Fort Leavenworth, Kansas).
- 1998-present Seminar: *Historic Structure Reports*, for the National Preservation Institute, various locations and dates (most recently at Mount Vernon and at the Presidio in San Francisco).
- 2002 Seminar: *A Practical Approach to Historic Building Management*, co-presenter for a five-day program dealing with maintenance and facilities management issues for large historic sites, for the National Preservation Institute in conjunction with the Fairfax County Park Authority, VA.
- 2001-2002 Seminar: *Holistic Stewardship of the Historic Site*, co-presenter for a five-day program dealing with museum properties, for the National Preservation Institute in conjunction with Mary Washington College, Fredericksburg, VA.

RELATED ACTIVITIES

- 2010-present **Member:** *Broad Creek Historic District Local Advisory Committee*: Member representing St John's Church (c1766) of a local historic district in Prince George's County, Maryland.
- 2010-present **Vice Chair:** *Anacostia Trails Heritage Area*: Member of ATHA's the managing board responsible for one of 11 Heritage Areas certified by the State of Maryland. Established in 1997, the organization is dedicated to preserving, renovating, enhancing, and publicizing the rich history, vibrant cultural activities, and beautiful natural recreation sites within 84 square miles of Northern Prince George's County.
- 2005-present **Chair:** *Prince George's County Historical & Cultural Trust* Responsible for oversight and management of an independent non-profit organization devoted to historic preservation issues in Prince George's County Maryland. Appointed by County Executive Jack Johnson.
- 2002-2008 **Member:** Vestry of historic St. John's Episcopal Church at Broad Creek (est. 1692) in Fort Washington, Maryland. Junior Warden from 2005 to 2008.



LANE M. BURRITT, PRINCIPAL

SECURITY CLEARANCE: U.S. Capitol/AOC Badge/Smithsonian/DOD RAPIDGATE

EXPERIENCE PROFILE

Ms. Burritt is a founding principal at Aeon Preservation Services. She is an architectural conservator with over twenty years' experience in historic preservation. Her practice involves historic and material research; condition surveys; draft contract documents; construction administration of restoration projects; create and implement cyclical maintenance programs; and directing quality assurance and quality control on major projects. Comprehensive skills include in-depth moisture investigation, cost estimation, scheduling, and hands-on conservation implementation. Proficient in research, object verification, materials analysis, paint analysis, and other testing services. Technical conservation experience includes wood and metal materials though specializes in masonry. Current research and interests are in salt damage to masonry surfaces and the use of technology in non-destructive testing. Before starting Aeon, Lane worked for ten years as a Senior Conservator with John Milner Associates in the Preservation Technology Group. She is a Professional Associate member of the American Institute for Conservation of Historic and Artistic Works (AIC) that governs architectural conservators.



Sampling mortar at the Lincoln Memorial Washington, DC

PROFESSIONAL EXPERIENCE

- 2010-present **Aeon Preservation Services LLC**, 4703 Annapolis Rd., Bladensburg, MD, Co-founder and Principal for a small consulting practice focused on business development, construction management, and technical preservation services for an elite group of contractors providing specialized historic preservation services nationwide.
- 2000-2010 **John Milner Associates, Inc.**, 5250 Cherokee Ave, Suite 300 Alexandria VA. Senior Architectural Conservator for JMA's Preservation Technology Group
- 2006-2008 **Goucher College**, Baltimore MD, Instructor – Historic Preservation Program Goucher College
- 1999-2000 **Integrated Conservation Resources**, 41 East 11th Street, 3rd Floor, New York, NY 10003. Conservator and Lab Technician.

ACADEMIC EXPERIENCE

- 1996-1998 **Savannah College of Art & Design, Graduate School of Building Arts:** Master of Fine Arts in Historic Preservation. Major: Historic Preservation Design with a concentration in Architectural Conservation. Final award of degree, May 1998.

Coursework: Conservation Science, Documentation, Investigative Techniques, Building Technology, Masonry, Finishes, Building Pathology, Building Systems Integration, Architectural History, Historic Preservation Design, Conservation Law, Computer Aided Drafting.

Thesis: *The Importance of Regionalism in Tabby Conservation; Restoration Plan for the St. Helena's Island Chapel of Ease*, South 1998. Savannah College of Art and Design Master's Thesis.

Tau Sigma Delta honor society

- 1997-1998 **Internship:** Wormslow State Park Internship, Savannah, GA. Documented tabby structures belonging to the NPS.
Historic Preservation Planning Committee for Savannah College of Art & Design, Savannah, GA. Student representative working to help design the new Conservation Classrooms and Laboratories.
- 1996-1997 Participated in Survey of the Savannah Historic District for the Georgia Historic Survey & Laurel Grove Survey, Savannah, GA, for Historic American Buildings Survey (HABS).
- 1992-1996 **University of Arizona:** Bachelor of Arts in History, Minor in Anthropology.
Coursework: Public History, American Art History, American History, Anthropology.
- 1996 Arizona Historical Society, Tucson, AZ. Executed projects for the Director, and other departmental heads at the Society. These projects included; accession, conservation, document photography, museum education, and museum administration. Conservation implementation in textile and metal conservation.
- 1995-1996 Tucson Rialto Theater Restoration, Performed historical research and fundraising.
- 1994-1995 Arizona State Museum Docent Program.
- 1993 Riordan Manson State Historic Park, Flagstaff, AZ. Docent and volunteer conservation work of collections and consulted on museum environment

TEACHING EXPERIENCE WITH GOUCHER COLLEGE

- 2006-2008 *Preserving Historic Buildings: Strategies and Conflicts*, Instructor for Goucher College Graduate & Professional Studies Historic Preservation Certificate Program, held at National Trust Headquarters, Washington DC.
Final Project – Congressional Cemetery; Washington, DC: Crypt Assessment and Presentation.

RELATED ACTIVITIES & SELECTED TRAININGS

- Current **Certificate:** Training for Self-Propelled Boom & Required OSHA Scaffold Training.
- 2014-present **Board Member:** Prince George's Heritage - A voice for grassroots heritage preservation through advocacy, education, and support in Prince George's County, Maryland.
- 2016 **Laser Cleaning Workshop for Art & Architecture**
The University of Pennsylvania School of Design, Participant
- 2008 **Salt Weathering of Buildings and Stone Sculpture, Technical University of Denmark.**
Copenhagen, Denmark. American Participant.
- 2004 **Certificate:** Authorized Installer of Jahn Mortars, Cathedral Stone, Inc. Jahn Restoration Training Workshop January 26, 2004.
- 2003 **Smithsonian Center for Materials Research & Education, Protective & Decorative Coatings** by Melvin Wachowiak.
- 2002 **Certificate:** Keim Mineral Systems, Restoration Training Workshop, Augsburg Germany.
- 2001 **Virginia Lime Works, Lynchburg VA- Building with Lime Workshop.** Training covering Mortars, Renders, and Brickwork by Jimmy Price
- 2000 **APT -Modern Historic Concrete Coatings for Architectural Surfaces and 20th Century Sculpture** by Paul Gaudette (lead)

PROFESSIONAL AFFILIATIONS

American Institute for Conservation of Historic and Artistic Works
Association for Preservation Technology
National Trust for Historic Preservation





WALKER MATTHEWS, ASSOCIATE

HISTORIC PRESERVATION SPECIALIST/QUALITY CONTROL MANAGER

SECURITY CLEARANCES: GSA HSPD-12

EXPERIENCE PROFILE

Walker came to Aeon initially to support the firm's organizational development and administration but has risen quickly through the ranks. His first major project with Aeon was to monitor a four-month long program in electrochemical chloride extraction on four 18th-century cannons being conserved in Aeon's shop. After proving that he was serious about exploring conservation as a field, Aeon sponsored Walker for the 7-month masonry conservation program presented by RESTORE in NYC.

Walker has performed environmental monitoring and preservation quality control for the Turner Smoot Joint Venture project to restore the US Capitol Dome and has served as Aeon's project manager for the conservation of The Mexican Monument (c.1848) at the grounds of the U.S. Naval Academy in Annapolis. He was also involved in Aeon's masonry cleaning of the Federal Trade Commission and served as the project manager for restoration of ornamental cast iron and granite features at Union Station.



PROFESSIONAL EXPERIENCE

- 2013-present **Aeon Preservation Services LLC, Bladensburg, MD:** historic preservation specialist for a growing consulting practice focused on business development, construction management, and technical preservation services for an elite group of contractors providing specialized historic preservation services nationwide.
- 2012-2013 **Cicero Group, Washington, DC:** Served as a liaison and reporter for a European financial consulting group tracking House and Senate hearings relating to Dodd Frank, SEC, and other topics of interest to the organizations clients worldwide.
- Fall 2011 **Experience On Demand Consulting, St. Louis, MO:** Assisted in strategic planning and its implementation in improving organizational processes and profitability.
- Spring 2010 **Republican National Committee, Washington, DC:** Chairman's Office –took minutes of formal meetings and welcomed dignitaries. Political Division – provided strategic planning for 8 Midwestern states, poll analysis, research, and grass roots campaigning.

ACADEMIC EXPERIENCE

- 2011 **St. Louis University, St. Louis, MO:** Class of 2011, BA Political Science
- 2010 **International Scholar Laureate Program (China)** Summer 2010
- 2010 **American University, Washington Semester** Foreign Policy and International Relations
- 2005-2007 **Tulane University, New Orleans, LA:**

RELATED TRAINING

- 2013-2014 **Certificate of Completion:** RESTORE Course in Masonry Conservation, New York, NY: 7 month program covering all aspects of masonry conservation taught by a team of nationally renowned architectural conservators, craftworkers, architects, engineers, chemists, geologists, and materials consultants, all of whom are actively engaged in architectural conservation, restoration and preservation maintenance work.
- 2014 **Cathedral Stone Products:** Seminar for Specifiers
- 2016 **Certificate:** OSHA 30 Hour Training, General Construction, 2016
- 2017 **Certificate:** USACE CQM Certification

RELATED ACTIVITIES

- Current **Member:** Association of Preservation Technology, Washington, D.C. Chapter
- Current **Member:** American Institute for Conservation, Associate Member

RELEVANT PROJECT EXPERIENCE

Federal Trade Commission Building, Washington, DC: Historic preservation specialist for restoration of exterior masonry façades at historic limestone and granite monumental office building as part of Aeon's façade cleaning team employing nebulized mist, hot water and steam pressure washing, Rotec microabrasive, and chemical cleaning at all masonry façade elements.

Macedonian Monument, U.S. Naval Academy, Annapolis, MD: Historic preservation specialist assisting in the restoration of historic monument including conservation treatment of historic masonry base, bronze plaques, wooden figurehead, and served as the lead conservation technician for electrochemical chloride extraction of four 18th Century cannon.

The Mexican Monument, U.S. Naval Academy, Annapolis, MD: Historic preservation specialist and project manager for conservation of the historic marble c1848 Midshipman's Memorial including four 19th Century bronze Spanish cannon, restoration of historic ornamental cast iron gun carriages, patination of bronze plaques and replication of missing or damaged marble features.

National Gallery of Art, West Building Exterior Stone Repairs, Washington, DC: Historic preservation specialist and member of Aeon's quality control team for marble restoration.

Norfolk Naval Ship Yard, Buildings M32 and B30 Restoration, Norfolk, VA: Historic preservation specialist and inspector for exterior masonry restoration at two historic masonry buildings being rehabilitated as part of a comprehensive building modernization program.

Russell Senate Office Building, Washington DC: Historic preservation specialist serving as a member of The Christman Company's QC team with responsibilities as QC inspector with responsibility for documentation of restoration and repair at historic marble facades.

Union Station Rostral Columns, Washington DC: Historic preservation specialist and project manager for restoration of four monumental ornamental cast iron columns and four lamp posts as well as cleaning, restoration, disassembly, and repair of related granite piers and balustrades.

U. S. Capitol Dome Rehabilitation, Washington, DC: Historic preservation specialist working on all aspects of historic preservation quality control, environmental monitoring, historic preservation treatment protocols and protection, glass conservation, and interior artwork protection. Walker served as Aeon's QC inspector and principal liaison to TSJV for the full duration of the three-year restoration effort and including interior cleaning of the Rotunda masonry at all Aquia sandstone surfaces and first visitors gallery marble and brick floor.

U. S. Capitol Stone & Metal – Senate Wing, Washington, DC: Historic preservation specialist providing QC inspection services to supplement general contractors CQM staff. Work includes tracking stone repairs in PlanGrid and providing QC inspection of marble repairs.



DANIEL HOLCOMBE, HISTORIC PRESERVATION SPECIALIST/FIELD SUPERINTENDENT

SECURITY CLEARANCES: AOC BADGE

EXPERIENCE PROFILE

Daniel joined Aeon with a marked interest in architectural conservation. After obtaining his degree in Historic Preservation, Daniel focused on gaining hands-on preservation experience in the restoration of historic masonry and project management.

Before joining Aeon's team, Daniel coordinated and led a wide range of projects at the Congressional Cemetery in Washington, DC. He was involved with the preservation of monuments, family vaults, mausoleums, as well as the historic gatehouse, chapel, and carriage house. His recent projects include QC of windows, metal, and masonry at Russell Senate Office Building; condition surveys of two masonry buildings in Norfolk, Virginia; as well as the documentation of the building and the restoration of historic clocks at the Martin Luther King Jr. Library. He also serves as Aeon's Safety Officer.



PROFESSIONAL EXPERIENCE

- 2017-present **Aeon Preservation Services LLC, Bladensburg, MD:** Historic preservation specialist for a growing consulting practice focused on safety plan management, construction administration, material analysis, and other technical preservation services for an elite group of contractors providing specialized historic preservation services nationwide.
- 2013-2017 **Historic Congressional Cemetery, Washington, DC:** Carried out the overall landscape preservation, performed hands on conservation to the headstones, monuments, and buildings on the property as the Grounds and Conservation Manager/ Superintendent. Also oversaw and coordinated large-scale conservation projects, such as the rehabilitation of the Archival Storage Safe.
- Summer 2012 **Historic Congressional Cemetery, Washington, DC:** Worked with the Conservation Manager to practice and hone preservation skills. Carried out the excavation, repair, and rebuilding of the historic stone swales along the cemetery roads.
- Summer 2012 **Gunston Hall Plantation, Lorton, VA:** Assisted with archaeological investigations of historic resources on the site. Significant features included the kitchen building and the adjacent midden.

ACADEMIC EXPERIENCE

- 2007-11 **University of Mary Washington, Fredericksburg, VA:** Class of 2011, BA Historic Preservation

RELATED TRAINING

- Current **Certificate:** OSHA 30 Hour Training, General Construction, 2017
- 2017 **Construction Quality Management for Contractors:**
- 2017 **Historic Property Management:** HSRs and Maintenance Plans. Hosted by the National Preservation Institute and given by Alfonso Narvaez, the course centered on the preservation of materials and systems used in historic buildings.

- 2015 **Historic Windows:** Managing for Preservation, Maintenance, and Conservation. Hosted by the National Preservation Institute and given by Gordon H. Bock.
- 2014 **Landscape Preservation:** Introduction and Advanced Tools for Managing Change. Hosted by the National Preservation Institute and given by Nancy Brown. Course centered on preserving the landscapes around historic structures, as well as parks, cemeteries, and any other outdoor space.
- 2013 **Cemetery Preservation and Landscapes:** Given by the National Preservation Institute in partnership with the Chicora Foundation. Focused on monument conservation as well as the overall preservation of cemeteries.

RELEVANT PROJECT EXPERIENCE

Russell Senate Office Building, Washington, DC: Provided Quality Control on the removal of historic windows from the building, as well as on the cleaning of the exterior masonry including laser cleaning. Removed historic brass sconces and lettering, documented and created a condition assessment of both.

2020: Removed and reinstalled bronze letters at building facades.

Martin Luther King Jr. Memorial Library, Washington, DC: Provided monthly documentation of building during the course of project, as well as removed two historic clocks and conducted the restoration of each. Also managed a team that lowered and removed two large murals from the lobby of the library.

Smithsonian National Zoological Park, Washington, DC: Conducted a survey of a terra cotta tile roof with terra cotta animal statues as finials. Performed historic research of the building and its roof and produced a condition assessment. Also surveyed a nearby masonry portico, including coring stone samples and investigating the hollow interior of the portico.

2020: QC Manager for dismantling and storage of ornamental masonry under IDIQ

George Malcolm White Memorial Bench, Congressional Cemetery, Washington, DC: Primary conservator for the memorial and performed all aspects of conservation. Due to a design flaw in the marble top, the bench had cracked, and previously been improperly repaired. Designed and created a stainless-steel support from for the interior of the bench, cleaned and rebuilt the monument.

Totem Pole, Cabin John Park, Bethesda, MD: Assisted Howard Wellman with the conservation of a totem pole, gifted to Montgomery County. Utilized a gentle cleaning method, and mitigated water penetration.

Structural Repair for Chapel Doors, Congressional Cemetery, Washington, DC: Doors recently added to the chapel damaged the door frame and surrounding structure. Preserved the doors and structure through removal and reinforcement of the door frame.

Rehabilitation of Gate House Safe, Congressional Cemetery, Washington, DC: Rehabilitated a walk-in safe attached to the gatehouse. Created an innovative solution to store historic documents in the space by installing a small form HVAC system. Managed all aspects of the HVAC installation, lighting design, and steel door conservation.



Awards & Recognitions

Over the years projects performed by Aeon's principals have received numerous awards and accolades, including the following:

- 2015 Georgia Trust for Historic Preservation, Award for Excellence in Restoration: Juliette Gordon Low Birthplace, April 2015*
- 2013 Engineering News Record, "Best of the Best" Restoration/Renovation, Top Projects of 2012, Freedom Tower, February 2013
- 2012 Engineering News Record Southeast, "Best Projects, Freedom Tower" Recognized for Construction Excellence, November 2012
- 2012 Florida Trust for Historic Preservation Inc., "Florida Preservation Award 2012" In Recognition of Outstanding Achievement in Restoration/Rehabilitation, Miami Freedom Tower.
- 2012 Dade Heritage Trust, "For the Outstanding Restoration of the Freedom Tower," 600 Biscayne Blvd, Miami, Florida
- 2010 AIA DC, Award for Excellence in Historic Resources, "Terminal A Exterior Restoration, Ronald Reagan Washington National Airport, Washington, DC," (with Shalom Baranes Associates, PC)*
- 2009 Associated General Contractors – Washington, Contractor Award-Heavy/Industrial, Reagan Washington National Airport, Terminal Facade Restoration and Window Replacement, 2009 (Awarded to Grunley Construction) *
- 2008 International Concrete Repair Institute (ICRI), Award of Excellence in the Historic category, Terminal A Facade Restoration*
- 2006 The Association for Gravestone Studies, Oakley Award for restoration of the Richmond Theater Fire Monument. *
- 2006 AIA DC, Excellence in Historic Resources Award, "American Red Cross Headquarters, Washington, DC," (with Shalom Baranes Associates, PC).*
- 2006 Associated General Contractors – Washington, Contractor Award in both the Design/Build and Renovation / Restoration categories: Lincoln Memorial & Jefferson Memorial Design/Build Renovation Projects (Awarded to William V. Walsh Construction).*
- 2005 Columbus Landmarks Foundation, Open Category Award, "Ohio State University Historic Buildings Survey and Preservation Management Program, Columbus, Ohio" *
- 1999 National Trust for Historic Preservation to Robert E. Lee Memorial Association the Trustees Emeritus Award for Excellence in the Stewardship of Historic Sites for the "development of an innovative digital program that facilitates sound management of the buildings, collections, landscapes and archeological sites at Stratford Hall."*
- 1996 Maryland Historic Trust for role as Architectural Conservator for the Stabilization of the Patapsco Female Institute Ruins, Ellicott City, MD.*

**Projects prior to 2010 were for projects undertaken while employed at John Milner Associates, Inc.*