


**From:** Elizabeth McClearn <emcclearn@newlingristmill.org>  
**Subject:** IHPG Proposal from Newlin Grist Mill  
**Date:** February 24, 2014 10:41:35 AM EST  
**To:** "sia@mtu.edu" <sia@mtu.edu>  
 7 Attachments, 4.9 MB Save ▼

Dear IHPG Review Committee,

Attached please find the proposal and supporting materials from the Newlin Grist Mill in Glen Mills, Pennsylvania. We are seeking funding toward a comprehensive documentation project of our mill's water system.

Please contact me if you have any questions or if there is any information you would like to help you better evaluate our proposal.

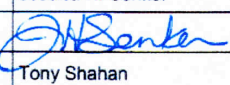
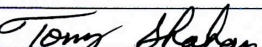
Best regards,  
Liz

Liz McClearn  
*Development Associate*  
 Newlin Grist Mill  
 219 S. Cheney Road  
 Glen Mills, PA 19342  
 610-459-2359 x 110  
 Fax 610-459-8709

Find us on Facebook [www.facebook.com/newlingristmill](http://www.facebook.com/newlingristmill)

**Society for Industrial Archeology - Industrial Heritage Preservation Grant  
 Grant Application Cover Sheet**

Date of application:	1. 02/28/2014	Title of Grant:	2. Water System Documentation
3. Jessica H. Senker, Principal at J&M Preservation Studio	4. 215-769-1133	5. jessica@jmpreservation.com	
<i>Name of Principal Researcher (Send PDF of CV with this application)</i>		<i>Phone</i>	<i>E-mail</i>
6. 105 Rutgers Ave, #244	7. Swarthmore, PA 19081		
<i>Address</i>	<i>City, State, Zip</i>		
8. Newlin Grist Mill	9. 610-459-2359	10. info@newlingristmill.org	
<i>Name of Project Sponsor (Organization and contact name)</i>		<i>Phone</i>	<i>E-mail</i>
<i>(Send PDF of letters of sponsorship or collaboration)</i>			
11. 219 South Cheney Road	12. Glen Mills, PA 19342	13. 231600703	14. 501(c)3
<i>Address</i>	<i>City, State, Zip</i>	<i>Tax ID</i>	<i>Type of Tax Status</i>

15.		16.		17.	
<i>Name of Project Co-Sponsor (s)</i> <i>(Send PDF of letters of sponsorship or collaboration)</i>		<i>Phone</i>		<i>E-mail</i>	
18.		19.		20.	
<i>Address</i>		<i>City, State, Zip</i>		<i>Tax ID</i>	
22. Tony Shahan, Director at Newlin Grist Mill		23. 610-459-2359		24. tshahan@newlingristmill.org	
<i>Name of person or organization receiving the check</i>		<i>Phone</i>		<i>E-mail</i>	
25. 219 South Cheney Road		26. Glen Mills, PA 19342			
<i>Address</i>		<i>City, State, Zip</i>			
27. Brief Description of Project (Send full project summary & application narrative in PDF)					
<p>Funding is requested toward engaging J&amp;M Preservation Studio (J&amp;M) to conduct a professional documentation study of the mill's 45' long water box so that it may be properly restored. Deliverables from J&amp;M will include plans, elevations, section and details of the water box.</p> <p>The J&amp;M Preservation Studio documentation is part of the next phase of a comprehensive Water System Documentation project that is currently underway. This project includes an archaeological investigation of the tail race tunnel, construction detail of the tail race tunnel, and mapping of the head race.</p>					
28. Project start date: 06/15/2014		29. Project end date: 12/31/2014			
30. Is this a new proposal ?				<input checked="" type="checkbox"/>	Yes
31. Is this a resubmitted proposal ?				<input type="checkbox"/>	No
32. Are you a previous SIA Grant Awardee ?				<input type="checkbox"/>	No
33. Is this grant your only funding source ?				<input type="checkbox"/>	No
34. Total dollar amount requested: <i>(send PDF of full budget)</i>		\$ 3,000.00			
35. Total matching funds:		\$ 5,435.00			
36. Total project budget:		\$ 11,700.00			
37. Print Name of Principal Researcher:		Jessica H. Senker			
38. Signature (Please fax or scan/send PDF)					
39. Print Name of Sponsoring Org. Official		Tony Shahan			
40. Signature (Please fax or scan/send PDF)					

Revised 10/29/2010



[Newlin Grist ...pdf \(38.1 KB\)](#)



**JESSICA SENKER, ASSOC. AIA**  
**HISTORIC PRESERVATION SPECIALIST**

**EDUCATION**

M.S. Historic Preservation, University of Pennsylvania, 2003  
 Thesis Topic: Memorial Hall; An Historic Philadelphia  
 Exhibition Space; A Paint Analysis of the Great Hall

**SELECTED WORK EXPERIENCE**

**Eastern State Penitentiary, Philadelphia, PA** (Completed with S.  
*Harris Ltd.*) Project Manager and Owner's Representative for  
 this eleven-acre National Historic Landmark. Work

B.F.A. University of the Arts, Philadelphia, 1999

#### PROFESSIONAL EXPERIENCE

J&M Preservation Studio, *Principal*, 2013 to present  
S. Harris Ltd, *Vice President* 2003-2013  
Fairmount Park Historic Preservation Trust, Inc. *Conservation Technician*, 2002-2003  
Orto Botanico, *European Conservation Summer Intern*, Rome, 2002  
City Representative's Office of Arts and Culture, Public Art Program, *Conservation and Collections Management Program Assistant*, 1999 to 2003  
Art in City Hall, *Student Art Coordinator*, 1999 to 2000;  
*Curatorial Assistant*, 1998 to 1999

#### PROFESSIONAL CERTIFICATIONS

El Patrimonio Cultural Cubano en el siglo XXI, Centro Nacional De Conservación Restauración Y Museología, Havana, Cuba, *Certificate*. 2006  
Interior Design, Temple University, *Certificate*, 2007  
Confined Space Entry, 29 CFR 1910.146, *Certificate*, 2008  
Conservation Assessment Program (CAP), *Architectural Assessor*, 2009  
LEED GA: USGBC Leadership in Energy and Environmental Design Green Associate, 2009  
OSHA 10-hour Construction Industry Training, 2010

#### PROFESSIONAL ASSOCIATIONS

AIA, *Associate Member*  
AIA Historic Preservation Committee, *Member*  
Board of Directors, *Secretary*, The Woodlands, A National Historic Landmark  
Board of Directors, Association for Preservation Technology, Delaware Valley Chapter (APT -DVC)  
Building and Monuments, Master Planning, and Executive Committee *Member*, The Woodlands  
Public Art Forum, Fairmount Park Art Association, *Member*  
National Trust for Historic Preservation, *Member*  
Notary Public, Commonwealth of Pennsylvania.

#### PRESENTATIONS AND PUBLICATIONS

"Saving the Roof," The View: The Newsletter of Historic St. Peter's Church Preservation Corporation; August 2013  
"Tale of a Tower Repair," The View: The Newsletter of Historic St. Peter's Church Preservation Corporation; Winter 2008  
"Pennsylvania Stone Arch Bridges: Evaluation and Assessment", Proceedings of the 5th International Conference on Arch Bridges, Madeira, Portugal, September 2007  
"The Pennsylvania Hospital's Pine Building: A Preservation Assessment Summary", prepared for the Centro Nacional de Conservación, Restauración y Museología's Cronograma Curso Norteamericano, Havana, Cuba, April 2006  
"Save Outdoor Sculpture! Update"; Managing Collections of Public Art: City of Philadelphia; Spring 2001, Vol 12, No1

performed on this site includes the preparation of skylight and roof renovation design documents for the Industrial Building, Kitchen, South Corridor and Cell Blocks 1, 3, 4, 7, 8, 9 & 12; historic paint analysis of central tower and perimeter benches; Halloween tours permit drawings; master space plan utilization and re-use study for entire site; project planning for the Catholic Chaplain's Office, and on-call inspections and analysis at the owner's request. Providing construction admin. services for the comprehensive roofing rehabilitation. Eastern State Penitentiary is currently under consideration to become a World Heritage Site.

**Pine Building, Philadelphia, PA** (Completed with S. Harris Ltd.) Project Manager for this National Historic Landmark – the Nation's First Hospital. Responsibilities included a comprehensive preservation assessment of the building, recommendations for facade renovation, construction documents, and project management for roofing and facade restoration. All findings and recommendations were presented to the administration and the Save the Pine Building Advisory Board through which the allocation of funds would be determined. Façade easement documents were prepared to satisfy funding requirements and a phased approach to the project was prepared to accommodate budget constraints, identifying the most severe conditions as highest priorities. A phased roofing campaign is underway.

**Historic St. Peter's Episcopal Church, Philadelphia, PA** (Completed with S. Harris Ltd.) Project Manager for the restoration of the 18<sup>th</sup> century church sanctuary roof structural system. A structural intervention to stabilize the entire roof truss system, including the metal roof and sanctuary fenestration.

**Pennypacker Mills, Norristown, PA** (Completed with S. Harris Ltd.) Project Manager for the stabilization and re-roofing of the 18<sup>th</sup> century barn, listed on the National Register of Historic Places. The scope of work included thorough documentation of the barn's structure for stabilization purposes, including a full schedule of every framing member. Prepared phased construction documents so the restoration could be completed over time.

**Barclay Farmstead, Cherry Hill, NJ** (Completed with S. Harris Ltd.) Historic Preservation Specialist. Responsibilities included the preparation of a comprehensive assessment of the building, detailing recommendations for the scope of work required to repair the deteriorated roof, building envelope, and damaged interior spaces. Assisted with the production of construction documents and provided bidding assistance for the repair of the existing standing seam metal roof, wood windows and sills, and interior plaster work. This building is listed on the State and National Register of Historic Places.

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J&M PRESERVATION STUDIO 105 RUTGERS AVENUE #244 SWARTHMORE, PA 19081  
PHONE 215-769-1133 FACSIMILE 215-769-1173 EMAIL [JESSICA@JMPRESERVATION.COM](mailto:JESSICA@JMPRESERVATION.COM)



**MELANIE KASPER RODBART**  
PROFESSIONAL ENGINEER

#### EDUCATION

MS in Civil Engineering, Drexel University, 2004

**Historic St. Peter's Episcopal Church, Philadelphia, PA**

(Completed with S. Harris Ltd.) Structural Engineer for the

MS in Civil Engineering, Drexel University, 2004  
BS in Civil Engineering, Bucknell University, 2001

#### PROFESSIONAL EXPERIENCE

J&M Preservation Studio, *Principal*, 2013 to present  
S. Harris Ltd., *Project Manager*, 2005 to 2013  
Urban Engineers, Inc., *Engineer in Training*, 2001- 2005  
Bucknell University, *Research Assistant*, 2000  
Pennsylvania Department of Transportation, *Construction Inspector*, 1999

#### PROFESSIONAL REGISTRATIONS

*Professional Engineer (Civil)*: Pennsylvania, New Jersey, Virginia, Delaware

#### PROFESSIONAL CERTIFICATIONS

Confined Space Entry, 29 CFR 1910.146, *Certificate*, 2008  
Conservation Assessment Program (CAP), *Architectural Assessor*, 2009  
LEED GA: USGBC Leadership in Energy & Environmental Design Green Associate, 2009

#### PROFESSIONAL ASSOCIATIONS

American Society of Civil Engineers (ASCE), Member of Philadelphia's Younger Forum  
Association for Preservation Technology International (APT), Member  
Delaware Valley Association of Structural Engineers (DVASE), Member  
Preservation Alliance for Philadelphia, Board of Directors

#### PROFESSIONAL HONORS AND AWARDS

ASCE's top 10 New Faces in Civil Engineering, 2009

#### PRESENTATIONS AND PUBLICATIONS

"Traditional Bermudian Building Style", Association for Preservation Technology International, November 2007.  
"Structural Conservation Using Articulated Reinforcement at The Lewis Store", American Institute of Conservation, April 2007.

#### SELECTED WORK EXPERIENCE

**Asbury Park Convention Hall**, *Asbury Park, NJ (Completed with S. Harris Ltd.)* Project Manager and Project Engineer for the preservation and redevelopment of the Convention Hall and Paramount Theatre. A sensitive approach to the remodeling of this historic building is what has made this project so successful. Responsibilities included structural survey work, analysis of existing girders and lintels, facade inspection, preparation of construction documents, communication with SHPO, and construction contract administration services. This project is ongoing and the building is listed on the National Register of Historic Places.

*(Completed with S. Harris Ltd.)* Structural Engineer for the structural stabilization of St. Peter's Church, an 18<sup>th</sup> century church, also a National Historic Landmark. Responsibilities included conducting a structural assessment, load analysis, analysis of roof timber roof trusses, coordinating wood pathology consulting, design of reinforcements and repairs, and production of construction documents for repairs.

#### **Penn Hall at Bucks County Community College**, *Newtown, PA (Completed with S. Harris Ltd.)*

Project Manager and Structural Engineer for Penn Hall Column Reconstruction project. Responsibilities included conducting a structural investigation, analysis of structural components, design development, preparation of construction documents, and construction contract administration.

**The David Sheppard House**, *Bridgeton, NJ (Completed with S. Harris Ltd.)* Project Manager and Structural Engineer for the reconstruction of the existing structure and design of a new addition to the building acquired by Rutgers University. Responsibilities included providing a comprehensive survey and analysis of existing interior structural conditions; design of the structural reinforcements, design of the new framing for the proposed addition, and new roof design per FM Global Standards. The repairs to the existing building were completed in 2008.

**Lewis Store**, *Fredericksburg, VA (Completed with S. Harris Ltd.)* Project Manager and Structural Engineer for the Lewis Store, one of the nation's oldest surviving retail stores. Responsibilities included the design of structural reinforcements to increase the load capacity, preparation of construction documents and specifications, and provided construction administration services. This project was successfully completed in 2006 and is listed on the National Register of Historic Places.

#### **Delaware Inn**, *Trenton, NJ (Completed with S. Harris Ltd.)*

Project Manager and Engineer for the structural stabilization of the Historic Delaware Inn. Responsibilities included the structural assessment and analysis of the existing framing members, preparing a highly detailed spreadsheet identifying and numbering all existing individual members for the purpose of specifying unique repair methods and minimize construction costs. In order to reach the Owner's goals of reopening the building as a living history museum as part of a larger Waterfront Development effort, several components of the current structural system required reinforcement. This project is currently under construction and is listed on the City, State, and National Register of Historic Places.

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[Shahan Resume.pdf \(21.0 KB\)](#) [JM Proposal ....pdf \(118 KB\)](#) [6 Drawings ....pdf \(3.8 MB\)](#)