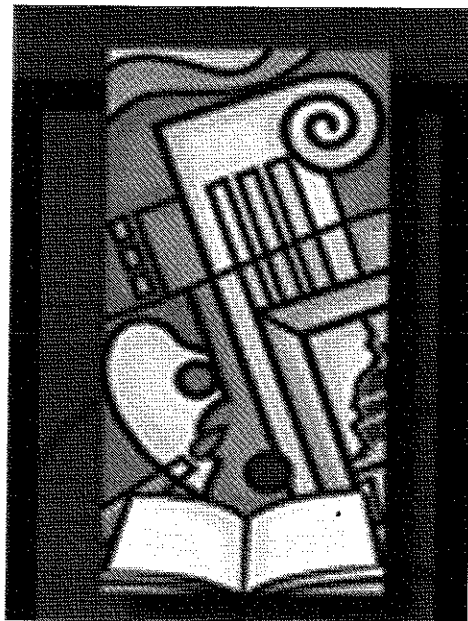


Expression of Interest
Architectural/Engineering Consultant
DCH08118



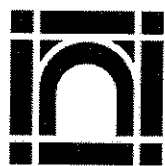
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PURCHASING DIVISION
STATE OF WV

West Virginia Division of Culture & History
1900 Kanawha Blvd., E.
Charleston, WV 25305

Submitted by:



MILLS GROUP, LLC

ARCHITECTURE ■ PLANNING ■ PRESERVATION

in collaboration

with



Miller Engineering Inc.
Professional Design Services

April 10, 2008



April 8, 2008

Ms. Shelley Murray
Purchasing Division
P.O. Box 50130
Charleston, WV 25305-0130

RE: EOI for- A/E Consultant DCH08118

Ms. Murray:

The **Mills Group**, LLC in collaboration with Craig Miller of Miller Engineering, Inc. is pleased to submit our qualifications and expression of interest for your historic project. Our team is highly experienced with this project type and as you will see, has the depth of experience to bring the perspective of preservationists, architects, and building system engineers to this project.

The Mills Group brings a working relationship with the West Virginia Division of Culture and History. The Mills Group has recently complete several projects that have been funded through the WVSHPO office and reviewed for acceptance. The Mills Group is currently in the second consecutive year of a contract with the WVSHPO to provide technical assistance to recipients of their Development Grants which requires almost weekly correspondence with their office. Mr. Miller and his firm brings a strong understand of building systems with the context of historic buildings as represented by his work on the Metropolitan Theater, the Museum at Ogleby, and the Cass General Store.

Our Team has a working relationship on past projects. Mr. Mills and Mr. Miller are currently working on a historic tax credit project for the Brock Reed & Wade and the Metropolitan Theater in Morgantown.

The resumes enclosed (within qualifications section of this submission) amplify the team's expertise in the profession that meets and in most cases exceed the National Park Service standards in 36 CFR 61. Several of the projects within the resumes attached represent collaboration amongst the team members.

The team assembled to help you and your organization to execute this project is nationally recognized for their historic preservation work and has project experience that directly relates to the issues of this project and the desired work product.

I believe that you will find the attached response to your request to be complete and comprehensive. It is our team's feeling, that a fee can be agreed upon by both parties that would be commensurate with the level of effort as outlined in

Page 2 of 2

the solicitation for Expression of Interest. The team is committed to developing a professional work product that will meet the expectations of both the funding agency and the client groups.

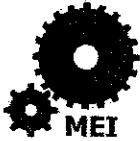
Our team looks forward to working with you and to the opportunity of bringing our expertise to your project.

Truly,

A handwritten signature in black ink that reads "Michael Mills". The signature is written in a cursive, flowing style.

Michael J. Mills, AIA

cc. Craig Miller, MEI
File



Miller Engineering Inc.

Professional Design Services

9 April 2008

Mr. Michael Mills AIA
Mills Group, LLC
Brock, Reed, and Wade building
206 High Street
Morgantown, WV 26505

Michael,

It was great pleasure that MEI accepts your offer to be part of the team for the Independence Hall Assessment Project. We believe MEI is uniquely qualified to provide the services to meet your goals as we bring both extensive technical and operational knowledge and engineering ability to the project.

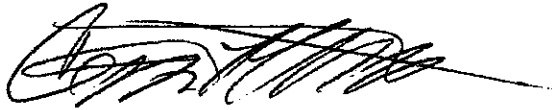
As you know, MEI is performing design services almost exclusively in West Virginia on a daily basis. We provide services on new construction, facility assessment and renovation, maintenance, repair, and engineered equipment replacement. MEI delivers a quality, cost effective, product developed through a highly interactive process from initial contact through the warranty period. We believe in numerous site visits, often informal, during construction to ensure the work is not stopped by a small issue. This "hands on" approach helps spot potential problems and answer questions proactively. MEI has been repeatedly praised by its clients for the time spent and dedication shown.

MEI's highly experienced personnel have the unique opportunity to focus on performing design services without the burden of managing large groups of lesser experienced personnel. We utilize our engineering abilities and extensive design experience to our client's advantage. I will be the engineer of record for this project as well as the MEI project manager. Recent work on the Oglebay Museum and the Met Theater in Morgantown have served to reinforce my understanding of the delicate balance between HVAC requirements and the need to protect historical structures in as effective a manner as possible. As you are aware, I consider myself a "double Alumnus" of WVU as both a graduate of the Engineering School and a former Facilities' Engineer. While at WVU, I worked on many projects such as: the Wise Library Addition, Library Book Storage Facility, Colson Hall Interim HVAC Upgrade, Life Sciences Building, Stewart Hall HVAC, as well as the Coliseum Asbestos Abatement.

MEI strives to provide superior services as a firm that can mobilize quickly and provide high quality programming, cost estimating, and design services. We believe this approach presents a distinct advantage in the pursuit of the goal of a

new pool. If you have any questions, please do not hesitate to contact me at 304-291-2234 (w) or 724-966-9794 (h).

Thank you for your time and thoughtful consideration and I look forward to a chance to work with you on this project.

A handwritten signature in black ink, appearing to read 'Craig Miller', with a long horizontal flourish extending to the right.

Craig Miller PE
President
Miller Engineering, Inc.

West Virginia Division of Culture and History
A/E Consultant Solicitation #DCH08118



Section I:
Understanding of the project objectives and time line.

Project Understanding &
Schedule



Discuss in detail an understanding of the overall project.

The Mills Group has extensive experience providing and implementing adaptive reuse plans for historic buildings. We feel that we are stewards of our built environment and as such are responsible for the well-being of both the structure and its occupants. Historic buildings, such as Independence Hall, are a part of the fabric that makes up our cultural past. They are tangible history, evidence of how we as both a society and individually have evolved, advanced, and remained stagnant. Therefore, maintaining this representation of our cultural past is vital to understand where we've come from and where we are going. Ensuring that the building is efficiently serving its purpose, yet retains its historic integrity is often a challenge. The Mills Group routinely takes on similar projects, balancing the needs of the occupants, owners, community, and other vested entities, the Secretary of Interior's Standards for Rehabilitation, applicable local and state regulations, and maintaining the integrity of the structure.

The Waitman T. Willey Mansion, a National Register Nominated structure located in Morgantown, West Virginia is a historic landmark for the state of West Virginia, both in its association with Willey, the state's first Senator and influential statehood father, and its significant architectural style. The Mills Group was hire to provide a feasibility study for the City of Morgantown that would adaptively reuse the incredibly noteworthy, yet neglected structure. Included in this assessment was an extensive evaluation of the mechanical and electrical systems. Our findings were compiled into our report along with a comprehensive plan to repair and or replace the system with one that is efficient, yet served the proposed plans. These plans also included provisions for the partial use of the space as a museum, highlighting the career of Senator Willey.

We approach each project and building as an individual entity, assessing them based on their distinct use, materials, layout, structural components, occupants and environment. It is important to incorporate all of these factors into the final project solution so as to best serve the needs of all involved.

Project Understanding &
Schedule

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The Mills Group has completed several projects that have required the evaluation and assessment, as well as an efficient and well- thought -out solution, falling along a spectrum of uses, sizes, materials, and environmental factors. The Historic Hotel Delmonte in downtown Elkins, West Virginia was long abandoned, but integral to the history of the town and its people. We provided a comprehensive design that maintained the historic integrity of the interior and exterior of the building, while incorporating mechanical systems that worked efficiently with both the new use plan and the historic fabric and layout of the original building.

Currently the Mills Group, in collaboration with Miller Engineering, is working to restore and rehabilitate the Metropolitan Theatre in downtown Morgantown, West Virginia. This, like Independence Hall is a high profile, challenging project that requires an assessment that evaluates the unique needs of the building and the people involved. Special consideration has been given to the type of theatre, it is live action rather than movie oriented, the future patrons, climate control, its location and any mandated codes and regulations. These concerns have been integrated with the preservation and restoration of the remaining historic fabric, as well as maintaining the feel and atmosphere, the "sense of place", that is vital to ensuring an optimal and accurate visitor experience.

Scope of Work and Project Schedule

Period of Performance	Scope
June-September 2008	Concept/Schematic Phase:
	1) Research and Data Collection
	<ul style="list-style-type: none"> A) Retrieve all drawings the building, to include the latest studies and space plans. B) Obtain all historic photos, newspaper articles, and other published material. C) Determine physical constraints and opportunities of the project related to the building codes, preservation requirements, and WVSHPO requirements.
	2) Workshop #1 (Kick-off)
	Location: TBD Attendees: WVSHPO

Project Understanding &
Schedule

West Virginia Division of Culture and History
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	<p>WVSHPO client groups Mills Group Miller Engineering (MEP)</p> <p>Theme: Mutual Introduction, Program Overview, and Project Background</p> <p>Topics: Introductions Program verification/development Budget Design objectives Design constraints and opportunities Schedule Goals & Visions Site tour</p>						
	<p>3) Building Assessment <i>(This phase will give the base line of scope of work for the cost estimate and will be augmented by the proposed mechanical and architectural changes.)</i></p>						
	<p>A) Assess overall existing conditions. (Qualitative analysis of existing building fabric)</p> <p>B) Utilize Unifomat system to perform the assessment of the building components.</p> <p>C) Identify the items of repair, replacement, and restoration.</p> <p>D) Compiled the "unit quantities" of work. (quantitative survey of existing conditions)</p> <p>E) Start to identify the various preservation and Museum zones, which will be informed by the existing conditions.</p> <p>F) Existing floor plans and system layouts are to be compared to the existing conditions drawings.</p> <p>G) Plans to be updated if any changes are found.</p> <p>H) All engineering systems to be assessed.</p>						
	<p>4) Code, Life Safety, and ADA Evaluation</p>						
	<p>A) Survey and analyze the existing systems for national code, life safety and ADA compliance.</p> <p>1) Site evaluation of noncompliance items.</p> <p>2) Evaluation of areas and items that need to be upgraded (for fire and life safety, and accessibility) but may not be a code or ADA deficiency.</p>						
	<p>5) Analysis Phase</p>						
	<table> <tr> <td>History</td> <td>Modern office precedents</td> </tr> <tr> <td>Culture</td> <td>Architectural precedent</td> </tr> <tr> <td>Context</td> <td>Preservation opportunities</td> </tr> </table>	History	Modern office precedents	Culture	Architectural precedent	Context	Preservation opportunities
History	Modern office precedents						
Culture	Architectural precedent						
Context	Preservation opportunities						

Project Understanding &
Schedule

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	Museum precedents
	6) Prepare Initial Concepts
	<p>A) Review Preservation Zones, Restoration Zones, and Adaptive Re-use Zones.</p> <p>B) Develop concept designs for each floor in the form of schematic floor plan(s)</p>
	7) Workshop #2 (project issues)
	<p>Location: TBD</p> <p>Attendees: WVSHPO WVSHPO client groups Mills Group Miller Engineering (MEP)</p> <p>Theme: Analysis presentation, Conceptual Parameters</p> <p>Topics/Exhibits: Analysis exhibits Statement of Goals & Visions Conceptual diagrams Planning concepts Preservation/Restoration approach PM coordination Electronic file exchange Sustainability options for cultural and environmental issues Engineering Systems Review</p>
	8) Design Concepts
	<p>A) Perform programming interviews with the end users.</p> <p>B) Determine the building systems requirements comprehensively, providing for some flexibility of future modifications/enhancements.</p> <p>D) Establish phasing concepts for the building.</p> <p>E) MEP system concepts will be presented with some options and variations.</p> <p>F) Develop concept designs in the form of schematic floor plan(s).</p> <p>G) Establish consensus with the entire project team</p>
	9) Coordination with WV SHPO
	<p>A) Review assessment findings with the SHPO representative.</p> <p>B) Review existing Preservation Zones, Restoration Zones, and Adaptive Re-use Zones.</p>
	10) Final Concept Review

Project Understanding &
Schedule

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	<ul style="list-style-type: none"> A) Review cost estimate B) Review SHPO concerns/requests C) Sign off on one schematic design concept
	11) Estimates of Probable Project Cost
	<ul style="list-style-type: none"> A) Architectural, HVAC, Plumbing and Electrical Costs B) Contingency Account C) Other costs
	12) Final Report
	<ul style="list-style-type: none"> A) Summary Report B) Supporting Documentation C)
September- November 2008	Design Development Services:
	<ul style="list-style-type: none"> 1) Production of 35% Construction Documents 2) Production of an outline specifications
November- December 2008	Construction Document Services:
	<ul style="list-style-type: none"> 1) Production of 100% Construction Documents 2) Production of full project specifications
January- March 2009	Construction Administration Services:
	<ul style="list-style-type: none"> 1) Review of product submittals 2) Response to RFI's 3) Site visits for on site inspection.

Project Understanding &
Schedule



Demonstration of the ability to complete the project in a timely manner

The Mills Group's commitment to timely completion of work is demonstrated by our extensive record of meeting project schedules and working closely with clients to expedite them whenever possible.

Schedule control for any project or task is a vital area which must be monitored throughout the planning, design and construction phase. This is important not only for tracking projects as originally conceived, but for proactively tracking and managing changes during the course of the project. These changes must remain consistent not only with the design concept of the Program/Project, but must remain within the cost and schedule constraints as well.

Towards these goals, the following covenants are made:

- The Mills Group will maintain and control our schedules and we will endeavor to complete our assignments ahead of time.
- The Mills Group will report on schedule and cost status at project briefings with the WV SHPO. The use of the tools described in this section will be instrumental in enabling the Mills Group to control its design efforts and bring current accurate information to the Client.
- The Mills Group is committed to working in partnership with the WV SHPO and client points of contact. The Mills Group will meet with the point of contact to further clarify roles and plan for how its cost and scheduling activities will mesh.

The measure of a consultant's success can only be measured through the satisfaction of the client. I would encourage you to engage those folks on my reference list to validate my success in this arena.

Project Understanding &
Schedule



Section 2:

Vendor Experience

- A. Vendor Requirements**
- B. Qualifications**
- C. Professional Experience**
- D. References**

Vendor
Experience

West Virginia Division of Culture and History

A/E Consultant Solicitation #DCH08118



Vendor Requirements

The Mills Group, a limited liability company, shall be the lead consultant for this project with its' Managing Principal Michael J. Mills, AIA being the one to execute the contract.

The Mills Group maintains insurance covering the following risks and in the following amounts:

Coverage	Provider	Amount
1. Comprehensive general liability	Cincinnati	\$300,000
2. Automobile liability	Safeco	\$250,000/500,000 Bodily injury \$100,000 personal property
3. Professional liability	Everest National	\$1,00,000/1,000,000
4. Worker's compensation	Brickstreet	NA

Teams and roles

The Mills Group shall act as the lead consultant on this project with the responsibility of coordinating all aspects of the project and the client's point of contact (Michael Mills). The Mills Group shall administer the contracts and be responsible for editing and assembling the final work products. Additionally the Mills Group shall execute the Historic Documentation Survey for the project.

Miller Engineering shall act as the lead engineer on all Mechanical, Electrical, and Plumbing systems. Mr. Miller shall be the lead engineer and personally be involved in the assessment, recommendations, and execution of all proposed MEP systems design.

Vendor
Experience



Team Qualification Statements

MILLS GROUP

Since starting the firm in the Fall of 2005, we have maintained a focus on the design of new structures which encompass the rich architectural character of the past, executed site plans that are respective of the opportunities and constraints, and developed sensitive preservation plans for historic buildings. We are diligent in understanding our client's spatial needs, design goals, and budget. Our design process is built on the foundation of research, data collection, client collaboration, and creative solutions. Our firm is committed to a quality end product which is derived from experience, diligence, and collaboration.

We believe in keeping cultural resources at the forefront of our public realm. To fully understand our built environment, we must first have the ability to comprehend why it is the way it is, taking it beyond bricks and mortar, into a moment in time, a representation of not only our collective past, but our individual pasts. The key to thorough preservation is investigating our cultural heritage, through which a balanced understanding can be achieved.

The Mills Group believes that sensitive and responsible preservation and restoration work must be responsive to the category of historical significance of the building. Each building provides a unique set of requirements and conditions; so too, each solution is unique. West Virginia abounds with unearthed architectural treasures. A goal of the practice is to embrace the architectural heritage of the region and to celebrate the best of our past.

With regard to this proposal, the Mills Group has extensive experience documenting and assessing structures, an essential part of Historic Preservation projects. Historic sites and buildings are the keys to understanding our past. They are tangible history and as such play an important role in our cultural heritage.

The Mills Group has a staff that includes individuals who are professional historians, that is fully qualified and has extensive past experience in

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Experience

West Virginia Division of Culture and History

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performing historical research to aid in the assessment and documentation of historic buildings and sites incorporating the results into a comprehensive narrative, feasibility study or historic structures report. The integration of MEP systems into historic building is a challenge that we take on will everyone of our historic projects.

Mr. Mills has extensive past experience working on museums and interpretive centers including the Waitman T. Willey House, the Webb Blessing House, the Textile Museum, and the Museum of Americas.

The Mills Group LLC is providing the Principal, Michael J, Mills, AIA, to provide consulting services in response to this solicitation as the lead. In addition to Mr. Mills our proposed team consists of our Director of Cultural Resource Management Jessica Brewer. The entire team meets the qualifications set forth in 36 CFR 61 NPS.

Similar Project Experience with References- Mills Group

	<p>Assessment and Reuse Plan for the Waitman T. Willey Mansion-Morgantown, WV</p>
<p>Project Client and Contact: Morgantown Historic Landmarks Commission- Larry Sypolt (304) 293-3704 e-mail: larry.sypolt@mail.wvu.edu</p>	
	<p>Historic Structures Report for the Webb/Blessing House-Charles Town, WV</p>
<p>Project Client and Contact: Jefferson County Historical Landmarks Commission –</p>	

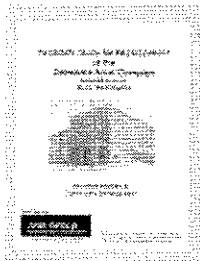
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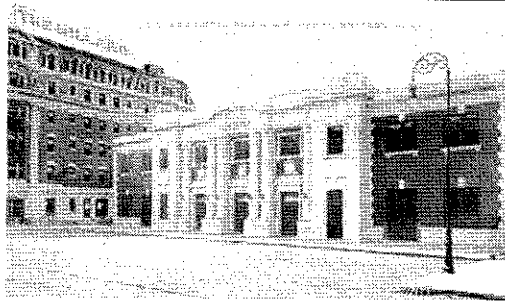
John Allen (304) 876-6468 e-mail: johnallenjr@earthlink.net



Feasibility Study For Redevelopment of the Delmonte Hotel Complex-Elkins, WV

Mills Group, LLC was contracted by Mountain Partners in Community Development to prepare a concept study and design for the rehabilitation of the Delmonte Hotel in Elkins, West Virginia. The purpose of the study is to assess the building condition, review functional and programmatic requirements, present concept plans, and to establish a preliminary cost budget.

Project Client and Contact: Mountain Partners in Community Development – Phyllis Baxter (304) 876-6468 e-mail: phyllisb@meer.net



B&O Railroad, Hotel and Museum, Grafton, WV

While with HNTB: The firm provided preservation planning and design services for the historic B&O Railway Station and adjacent Willard Hotel in Grafton, West Virginia. The overall project goals were to enhance the cultural sustainability of the town and region while being a corner stone project for the development of a downtown comprehensive revitalization plan. This project involved extensive construction site coordination and administration.

Project Client and Contact: Vandalia Heritage Foundation – Dr. Emory Kemp (304) 599-4838

Vendor
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A/E Consultant Solicitation #DCH08118



Michael J. Mills AIA, NCARB

206 High Street
Morgantown, WV 26505

304-296-1010
mmills@millsgroup.biz

PROFESSIONAL EXPERIENCE

Principal Architect

Mills Group, LLC

October 2005- Current

The **Mills Group** specializes in the preservation and restoration of historic buildings. The firm provides consulting services that include downtown revitalization master planning, contextual infill design, existing building assessment, conceptual design for rehabilitation, and building maintenance strategies.

Director of Historic Preservation

Vandalia Heritage Foundation (Fairmont, WV) May 2002-September 2005

- ◆ Managed all details involving programming, building design, and preservation for a non-profit organization with a mission of economic revitalization through historic preservation. Oversaw architectural planning and construction related to the organization's real estate holdings which included over fifteen historic structures ranging from hotels to houses. Led construction administration on the organization's projects to ensure that builders were in compliance with documentation as well as all local and national codes. Managed preventative and cyclical maintenance from the organization's real estate portfolio. Provided technical architectural and preservation assistance to clients of North Central West Virginia. Facilitated public outreach through lectures, workshops, an in house Preservation Resource Center, and personal one on one guidance by appointment. Initiated and coordinated the 2002 International Preservation Trades Workshops in Fairmont, West Virginia. Ensured compliance with local, state, and federal regulations as well as the Secretary of the Interior's Guidelines. Point person with the State Historical Preservation Office for all projects and programs. Mentored two student interns as well as providing guidance to junior staff members. Developed project scopes of works as well as RFPs and RFQs for both A/E and contractor procurements. Selected, oversaw, and managed A/E consultant teams.

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Experience

West Virginia Division of Culture and History

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Director of Historic Preservation Services

HNTB, Architects, Engineers & Planners (Washington, DC) August 1999- May 2002

- ◆ Led the preservation and restoration projects while helping to develop a local and national preservation practice. Specifically led a national effort to strategically position the firm to be the recognized preservation firm with respect to historic transportation structures. Developed locally and nationally recognized preservation practice in collaboration with several of the firm's major offices through proactive marketing, networking, and presentations at national events. Directly worked with the Federal Market Leader to promote the firm's national preservation experience. Successfully co-led the project pursuit for the firm's first GSA Design Excellence Project. Managed several clients and large-scale contracts such as a Smithsonian IDIQ and NAVFAC IDIQ contract. Served as a project manager for the 2012 US Olympic Bid. The task focused on the reuse of existing facilities and leveraging existing resources to enhance the overall master plan.

Design and Technical Associate

Einhorn, Yaffee, Prescott (Washington, DC) February 1994-August 1999

- ◆ Project architect and project manager on historic preservation and architectural design and planning projects. Served as client point person and marketed the firm for future work. Led several condition surveys on historic structures. Wrote several condition assessment reports that led to extensive preservation projects. Conducted historical research that led to an exhibit, conference, and publication. Assembled construction documents on several historical preservation projects. Provided technical problem solving to preservation projects. Collaborated with engineers to integrate complete building infrastructure within historic structures.

Vendor
Experience

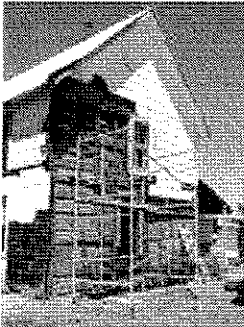
West Virginia Division of Culture and History

A/E Consultant Solicitation #DCH08118



RELEVANT PROJECT EXPERIENCE

Mills Group, LLC



- **Feasibility Study For the Relocation of a Historic Log Structure-Wirt County, WV**

Mills Group, LLC was contracted by Hoodat Rental to assess the existing conditions of a historic log structure that was to be relocated. The work involved on site investigation and full up research to determine significance of building material found on site. The follow up work involved the complete documentation of the structure as well as inventory of members for reconstruction.

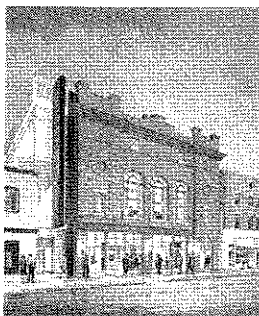
Feasibility Study For the Arbogast Building-Elkins, WV Mills Group, LLC was contracted by the Randolph County Housing Authority to prepare a concept study and design for the rehabilitation of the Arbogast Building in Elkins, West Virginia. The purpose of the study is to assess the building condition, review functional and programmatic requirements, present concept plans, and to establish a preliminary cost budget.

While at Vandalia Heritage Foundation



- ♦ **Highgate Carriage House, Fairmont, WV**
Preservation Architect/Owner

Built by James Edwin Watson, founder of Consolidation Coal Company, in 1912 as part of a large residential complex of a Tudor Revival style design by architect Horace Trumbauer. The carriage house structure of nearly 10,000 square feet under went a first floor and exterior restoration. The project sensitively added modern office requirements while expressing the historic character of this nationally significant building.



- ♦ **Cottrill's Opera House, Thomas, WV**
Preservation Manager/Owner

The 1902 Cottrill's Opera House in Thomas, WV, is in the early stages of restoration with support and collaboration from Alpine Heritage Preservation, the City of Thomas, and the Vandalia Heritage Foundation. The facility will primarily be used as a live performance theater with other complimentary uses contributing to a renewed role as the community's cultural center.

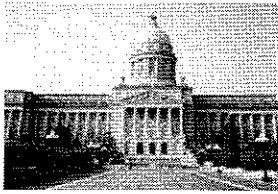
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Experience

West Virginia Division of Culture and History

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While at HNTB, Architects, Engineers & Planners (Washington, DC)

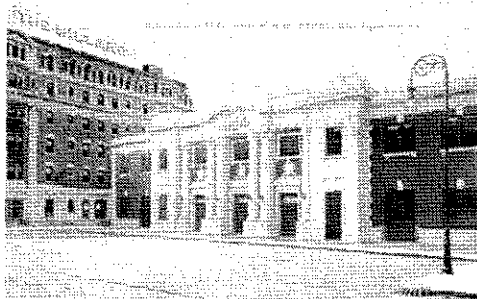


◆ **Kentucky State Capital Restoration and Renovation, Frankfort, KY** *Preservation Architect-*

The firm provided preservation, planning, programming, and architectural design services for the complete building. This 1909 capitol designed by architect Frank Mills Andrews is considered one of the finest examples of Ecole des Beaux Arts-style architecture in the country.

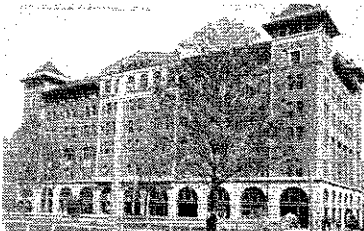
◆ **B&O Railroad, Hotel and Museum, Grafton, WV** *Project Architect/Manager-*

The firm provided preservation planning and design services for the historic B&O Railway Station and adjacent Willard Hotel in Grafton, West Virginia. The overall project goals were to enhance the cultural sustainability of the town and region while being a corner stone project for the development of a downtown comprehensive revitalization plan. This project involved extensive construction site coordination and administration.



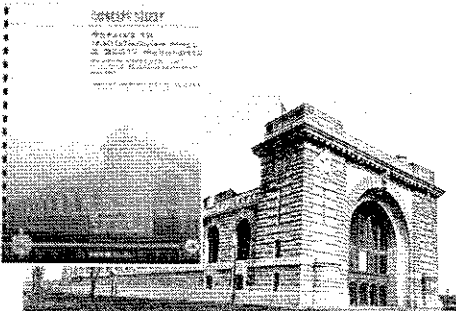
◆ **Waldo Hotel Study, Clarksburg, WV** *Project Architect/Manager-*

Executed a condition assessment and adaptive reuse plan for this 100,000 square foot historic hotel facility. Completed in 1904, the Waldo Hotel was once the social center of Clarksburg. It was known as West Virginia's most luxurious hotel.



◆ **MacDonough Hall and Scott Natatorium - Naval Academy, Annapolis, MD** *Preservation Architect/Planner-*

Worked with the Navy to produce a comprehensive concept study of the existing building and to evaluate the programmatic needs of the proposed user groups. The specific scope of work included exterior historic preservation, window restoration, and determination of the cost for replacement with new energy efficient windows, interior finishes evaluation, and general structural overview.



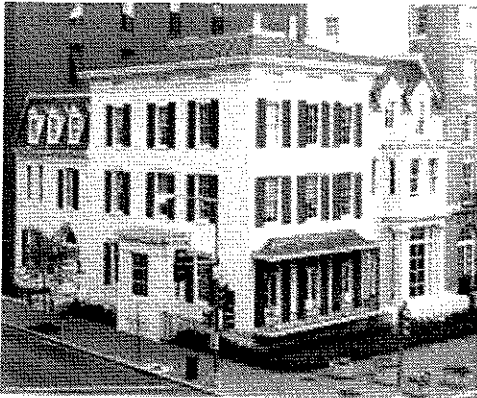
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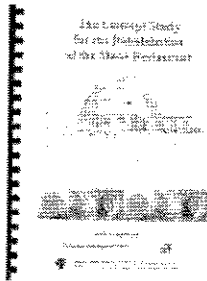


While at *Einhorn, Yaffee, Prescott Architects (Washington, DC)*



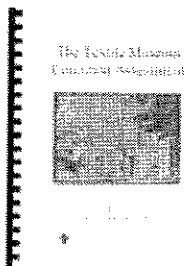
◆ **Dolly Madison Cosmos Tayloe Complex, Washington, DC - Project Architect-**

Provided exterior renovation services of three historically significant buildings on Lafayette Square opposite the White House. The buildings are used by the Federal Circuit Court of Appeals. Work included survey and scope verification, preservation and restoration of building materials including brick, stucco, cast iron. Effort also included waterproofing and incorporation of ballistic protection into the historic fabric. This project involved extensive construction site coordination and administration.



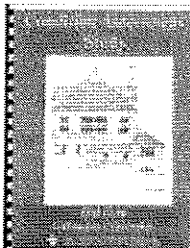
◆ **Mane Restaurant-National Zoo, Washington, DC Project Architect/Manager-**

The firm was retained to visually inspect and assess the condition of the complex and prepare a report which records the observations; makes recommendations for preservation/rehabilitation, the correction of deficiencies, repairs, and improvements; and provides an estimate of probable costs.



◆ **Textile Museum, Washington, DC Project Architect/Manager-**

The firm was retained to visually inspect and assess the condition of the complex and prepare a report which records the observations; makes recommendations for preservation/rehabilitation, the correction of deficiencies, repairs, and improvements; and provides an estimate of probable costs.



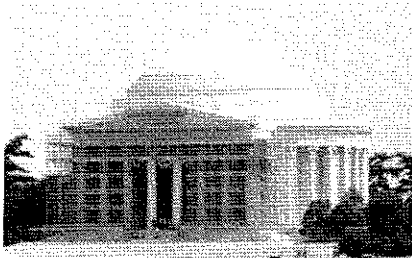
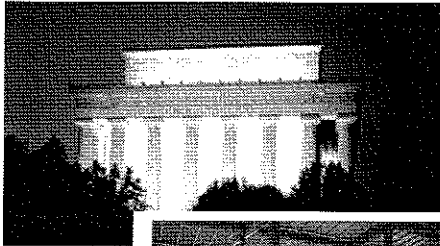
◆ **Old Gym-Gallaudet University, Washington, DC Project Architect/Manager-**

The firm was retained to visually inspect and assess the condition of the complex and prepare a report which records the observations; makes recommendations for preservation/rehabilitation, the correction of deficiencies, repairs, and improvements; and provides an estimate of probable costs.

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West Virginia Division of Culture and History

A/E Consultant Solicitation #DCH08118



◆ **Lincoln Memorial, Lighting Study and Skylight, NPS, Washington, DC - Project Technician** – Comprehensive studies and design services undertaken to recommend proper lighting to mitigate the insect damage to the memorials. Several different lighting concepts were tested and photographed to determine the aesthetic as well as the environmental effects of each system. Field investigation of bronze castings and structural composition of skylight assembly. Developed recommendations for preservation.

◆ **Jefferson Memorial, Stone Survey, NPS, Washington, DC - Project Technician** – Investigated conditions, surveyed types of damage and physical attributes to the structures; which were then inputted into a database to be used as a benchmark for the National Park Service to analyze recommended restoration treatments.

EDUCATION

Rensselaer Polytechnic Institute (1993)

- ◆ Building Science
- ◆ Bachelor of Architecture

PROFESSIONAL LICENSING

- ◆ Registered Architect, Virginia, 2001 & West Virginia 2003

PROFESSIONAL AFFILIATIONS/MEMBERSHIPS

- ◆ Preservation Alliance West Virginia (Board Member & Executive Committee)
- ◆ Institute of Preservation and Contemporary Design (Council of Affiliates Member)
- ◆ Pleasant Hills Home Owner's Association Building Commission (Chairman)
- ◆ American Institute of Architects
- ◆ City of Morgantown Planning and Zoning Design Review Committee
- ◆ Main Street Morgantown Design Committee
- ◆ Association for Preservation Technology
- ◆ National Trust for Historic Preservation
- ◆ National Building Museum
- ◆ Urban Land Institute

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SPEECHES/ PRESENTATIONS

- ◆ **2004 West Virginia Preservation Trades Workshop,**
"Architectural Styles," presented as part of the opening keynote speech.
- ◆ **2004 Preservation Alliance West Virginia Annual Conference,**
"Preservation Projects from Start to Finish."
- ◆ **2003 West Virginia Preservation Trades Workshop,**
"Historic Preservation in Your Backyard."
- ◆ **2003 International Preservation Trades Workshop,**
"Documenting Conditions."
- ◆ **2002 National Trust's Main Street Town Meeting,**
"White Elephants on Main Street."
- ◆ **2001 National Trust's Main Street Town Meeting,**
"Historic Transportation Structures Fostering Community Revitalization."
- ◆ **1997 Montgomery C. Meigs Symposium,**
"Commissary Sergeant's Quarters, Building 42," presented at the National Building Museum co-sponsored by the U.S. Capitol Historical Society.

PUBLICATIONS

- ◆ **Vandalia Heritage Foundation's Preservation Resource Center Publications:**
"An Introduction to Historic Preservation", "Researching your Historic Home", "What is Historic Preservation?", and "Preservation Bulletin #1: The Rehabilitation Process."
- ◆ "Convergence: Effective Preservation Through Collaboration / An Interdisciplinary Approach," submitted to **APT Bulletin, Spring 2002.**
- ◆ "Commissary Sergeant's Quarters, Building 42," **Montgomery C. Meigs and the Buildings of the Nation's Capital.** Edited by William C. Dickinson, Dean A. Herrin and Donald A. Kennon, 2001, Ohio Press.

AWARDS

- ◆ **Recipient of Rensselaer's 2000 Director's Award** - The Director's Award is presented each year to individuals who have made significant contributions to the success of the Office of Alumni Relations and to the Rensselaer Alumni Association during the past year.
- ◆ **Recipient of Honorable Mention in the 1992 Progressive Architecture "New Public Realm" Design Competition.**

HIGHER EDUCATION INSTRUCTION

- ◆ **West Virginia University** (Fall 2003 and Spring 2006) Course: "History of American Architecture." Instructed graduate students in the Cultural Resource Management Program.

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A/E Consultant Solicitation #DCH08118



Jessica L. Brewer

206 High Street
Morgantown, WV 26505

304-296-1010
jbrewer@millsgroup.biz

PROFESSIONAL EXPERIENCE:

Cultural Resources Consultant November 2005-present

Mills Group, LLC

- Utilization of both primary and secondary source material to research building, material and site histories for use in written reports and/or heritage interpretation
- Field work, including surveying, assessing and documenting historic structures
- Utilization of design principles for new and adaptive reuse buildings

Research Assistant June 2004-January 2006

The Institute for the History of Technology and Industrial Archaeology

- Research and writing reports and historic narrations
- Compilation of historic resources
- Completion of historical databases and historic property inventory forms for the B & O Mainstem Bridge Inventory. Researched and documented over 100 bridges, culverts and viaducts historically part of the B & O Railroad system.
- Handling and recording of archival materials
- Historic property evaluation and documentation
- Hands-on historic materials repair

RELATIVE PROJECT EXPERIENCE

Mills Group, LLC

Hotel Delmonte Feasibility Study

- Responsibilities for the project included survey and documentation of the Hotel Delmonte in downtown Elkins, West Virginia. The historic hotel, built by the Nallen family beginning in 1899, is a landmark to its city. The hotel required intensive site visits to conceptualize an adaptive reuse for the building, as well as, to assess its existing conditions. Also as a part of my responsibilities for the project was historical research of the building, which included primary sources such as city directories and Sanborn maps, as well as secondary general history sources on the town of Elkins and Randolph County. The information from the survey and documentation, as well as the

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A/E Consultant Solicitation #DCH08118



historical sources, were used to prepare the feasibility report, a collaborative effort between myself and the principle architect Michael Mills.

National Road Audio Tour Architectural Inventory

- Responsibilities for this project included extensive background research and inventory of the architectural resources and their respective styles, along the National Road, through Wheeling. I used the information to prepare text that will be ultimately used by the Walkabout Company, LLC, in Wheeling in their upcoming National Road automobile audio tour.

Arbogast Building Feasibility Study

- Responsibilities included an intensive survey, historical background research, and the preparation of a feasibility study to be used in the renovation of the structure. The Arbogast Building is located adjacent to the Delmonte Hotel in Downtown Elkins, West Virginia. Neglected in recent years, the building, a vital part of the historic downtown infrastructure, required an assessment of conditions and recommendation for adaptive reuse. The cast concrete block structure required research regarding its material history, which is symbolic of the transition from nineteenth to twentieth century in terms of architecture, design, and societal demands.

Webb-Blessing House Historic Structure Report

- Responsibilities included background research and the preparation of a Historic Structures Report. The Webb-Blessing House, located in historic Charlestown, West Virginia, is significant not only for its use of vernacular architecture forms, but also for its initial owner, a freed black living in pre-civil war America. The intensive survey required a historical background research on many aspects of the building, including its evolution, its setting, and its construction materials. The Webb-Blessing project is one of many that have required research of not just the building, but its materials and methods, which are ultimately a significant component of the building's history. For this project, I performed extensive historical background research on sawn vs. hand milled products such as lath and siding, iron rim locks, linoleum sheet goods, and various types of nails-hand wrought, machine cut and wire.

Cohen Building

- Responsibilities for the project required tracing the lineage of the building. As a part of downtown Morgantown's Historic Walking Tour, the Cohen Building's history was questioned by a local resident. Upon investigation, I found that the Cohen Building, was, in fact never owned by Israel Cohen, as stated in the walking tour brochure. I composed a report for the Walkabout Company, LLC, of my findings, as well as a new historical background which will become a part of the revised text.

Milan Façade Redesign

- Responsibilities for this project require conceptualizing a new façade for the Milan Administrative Office Building, part of the Milan Park Complex just outside Morgantown, West Virginia. The client wanted to reuse their current building, which required the reworking of the exterior façade and some interior spaces, which modernized the space, yet left minimal impact on the structure itself.

Waitman T. Willey Mansion Feasibility Study Report

Vendor
Experience

West Virginia Division of Culture and History

A/E Consultant Solicitation #DCH08118



- Responsibilities for the project required a site visit to assess and document the mansion, as well as perform a historical analysis to be used by the Morgantown Historic Landmarks Commission in establishing a new use for the building. Also included in the report were proposed plans to adaptively reuse the structure as a Gallery Hall or Office Space.

Cannon Hill Battlefield Site, Rowlesburg, West Virginia

- Responsibilities for this project include a historical assessment and narrative of the battle site for use in a Master Plan, which, in the next phase of the project, will be the source for the interpretation of the site. As a part of the project, research was also performed on the adjacent town of Rowlesburg, the B & O Railroad, and its Tray Run Viaduct .

The Institute for the History of Technology and Industrial Archaeology

Baltimore and Ohio Railroad Historic Resource Survey

- Responsibilities for this project included surveying and inventorying over one hundred truss bridges, culverts, and viaducts along the Baltimore and Ohio Railroad's Mainstem (from Harpers Ferry to Wheeling, West Virginia), as well as researching the material use, construction techniques and relevance to local, state and national history. This information was compiled and used to complete West Virginia Property Inventory Forms for each resource.

Baltimore and Ohio Railroad Save America's Treasures Project

- Responsibilities for the project included gathering, and recording all available published and unpublished resources regarding the Baltimore and Ohio Railroad's Mainstem, including photos, books, articles, and maps. Within these were many primary source artifacts such as train schedules and annual reports, which were scanned, and preserved in digital format, for future use later in the Baltimore and Ohio Railroad Museum Research Room.

Digital Technology Use in History and Historic Preservation Research Project

- Responsibilities for this project included research and writing of a report on the use of the latest technology in historic preservation. Research was performed to find all methods and materials that are currently available that will ultimately affect, good or bad, the way that historic preservations will work in the next few decades. Items explored included the use of digital imaging and virtual reality in making historic resources available to a wider percentage of the public.

New River Gorge Cultural Resource Inventory

- Responsibilities for this project included the composition of a map of the New River Gorge area that displays its heritage and cultural resources. Resources included historic trails, mines, and landscapes.

National Road Mile Marker Project

- Responsibilities for this project included hands-on preservation work to restore the cast iron obelisk mile markers along the National Road from the West Virginia/Pennsylvania Border to Wheeling, West Virginia. While some missing markers required replacement, a number required cleaning, repair, and repainting.

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PROFESSIONAL AFFILIATIONS/MEMBERSHIPS

- National Trust for Historic Preservation
- Epsilon Pi Tau
- Society of Architectural Historians
- Preservation Trades Network

EDUCATION

West Virginia University

- Master of Arts in History [2006]
- Masters Certificate in Cultural Resource Management [2006]
- Graduate Studies included concentration in History, Architectural History, Historic Preservation and Cultural Resource Management
- Ruth Regina Hale Canaga Scholarship [2003]
- Eberly College of Arts and Sciences Outstanding Student Award [2003]
- Golden Key National Honor Society

Fairmont State College, Cum Laude

- Associate of Science in Architectural Engineering and Engineering Technology [1999]
- Bachelors of Science in Architectural Engineering and Engineering Technology [1999]
- Student Design Award-*Prime Thyme Restaurant*, First Place [1997]
- United Way Foundation Playhouse Design Contest Winner [1996]

PROFESSIONAL TRAINING/CERTIFICATION

- Section 106 Review [2005], Certification by the National Preservation Institute
- Historic Structures Reports [2006], Certification by the National Preservation Institute
- Maintenance of Historic Materials and Structures [2006], Certification by National Preservation Institute

REFERENCES

- Larry Sypolt, Institute for the History of Technology and Industrial Archaeology
 - Phone: (304)-293-3704
- Dr. Ronald Lewis, Professor of Appalachian Studies, West Virginia University
 - Phone: (304)-293-2421x5236
- Dr. Barbara Rasmussen, Director, Cultural Resource Management Program, West Virginia University
 - Phone: (304)-293-2421x5227

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Experience

West Virginia Division of Culture and History
A/E Consultant Solicitation #DCH08118



Additional References

Mills Group

1. Mrs. Viola Wentzel
President for the Board of Directors of the Aurora Project-Aurora, WV
Ph: (202) 232-8113

2. Mrs. Vivien P. Woofter, IIDA
Former Director, Department of Interiors and Furnishing-US
Department of State
Ph: (703) 875-6263

3. Ms. Eleanor Palko
Mountain Partners in Community Development
401 Davis Ave
Room 218
Elkins, WV 26241
Ph: (304) 636-6182

4. Mr. John Allen III.
Jefferson County Historic Landmarks Commission
P.O. Box 2006
Shepherdstown, WV 25443
Ph: (304) 876-6468

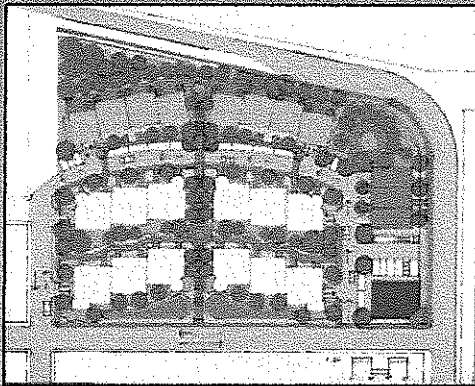
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FIRM PROFILE

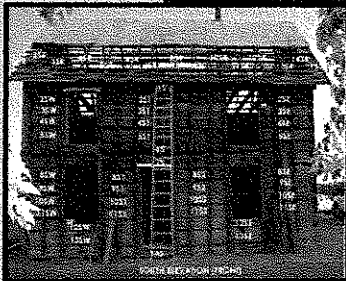
ARCHITECTURE



PLANNING



PRESERVATION



in MILLS GROUP, LLC
ARCHITECTURE • PLANNING • PRESERVATION

Who We Are.....

*Designing on the Principles of the
Past and Preserving for the Future*

Since starting the firm in the Fall of 2005, we have maintained a focus on the design of new structures which encompass the rich architectural character of the past, executed site plans that are respectful of the opportunities and constraints, and developed sensitive preservation plans for historic buildings. We are diligent in understanding our client's spatial needs, design goals, and budget. Our design process is built on the foundation of research, data collection, client collaboration, and creative solutions.

West Virginia abounds with unearthed architectural treasures. A goal of the practice is to embrace the architectural heritage of the region and to celebrate the best of our past.

Our firm is committed to a quality end product which is derived from experience, diligence, and collaboration. We look forward to bringing our talents to support you on your next project.

Michael Mills

ARCHITECTURE

The Mills Group focuses on residential, commercial, public, and cultural facilities, with an emphasis on traditional design principles, vernacular design influences, and long-term sustainability. The firm designs new structures, which reflect the rich architectural character of the past and use traditional architecture influence, but also specialize in the rehabilitation and adaptive reuse of existing structures, striving to emphasize their cultural, historical, and environmental contexts.

PLANNING

The Mills Group approaches the planning process of green field and infill sites with the responsibility of being a "Place Maker". Clients entrust us with the task of creating the overarching plan that will foster a rich and engaging environment for people to live, work, and play.

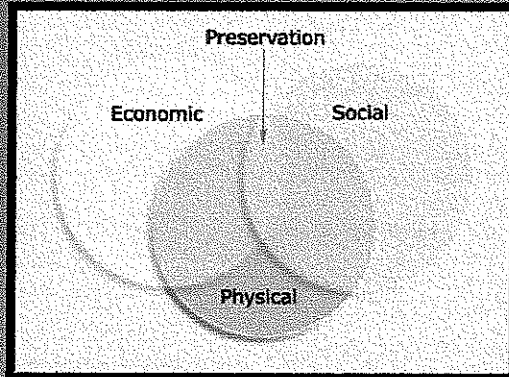
PRESERVATION

The Mills Group believes that sensitive and responsible preservation and restoration work must be responsive to the category of historical significance of the building. Each building provides a unique set of requirements and conditions; so too, each solution is unique.

CULTURAL RESOURCE ADVOCACY

Beyond the Paradigm An Approach to Historic Preservation

RESIDENTIAL ■ COMMERCIAL ■ PUBLIC

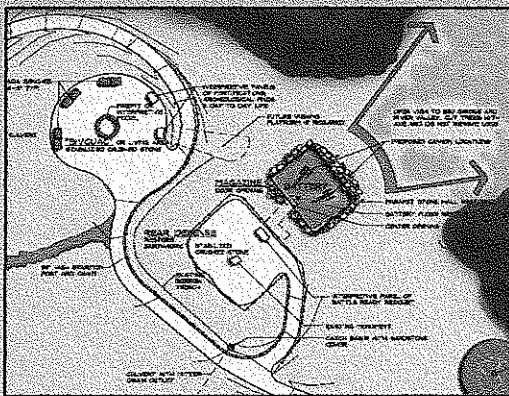


Keeping Cultural Resources at the Forefront

To fully understand our built environment, we must first have the ability to comprehend why it is the way it is, taking it beyond bricks and mortar, into a moment in time, a representation of not only our collective past, but our individual pasts. The key to thorough preservation is investigating our cultural heritage, through which a balanced understanding can be achieved.



Brock, Reed, & Wade Building
Restoration, Rehabilitation &
Adaptive Reuse
Morgantown, WV



Cannon Hill Historic Site
Interpretation; Rowlesburg, WV

Social-Economic-Physical Making Change

To achieve meaningful and positive preservation, exploring our past is necessary. Interpretation of the built environment requires awareness of how the many aspects of our cultural heritage come together to create a story. Cultural Resources, those things that spiritually and physically are remnants of our past, shaping us into who we are, ultimately affect the way we make change. Most of all, however, it allows us to see how and why to make that change.

Sustainable Neighborhoods

Historic Preservation, by its very nature, is a sustainable act. It takes what we have and makes it useful again. It revitalizes communities by sustaining the local economy through supporting core, local businesses and attracting new ones.

Remnants of our Cultural Past

Cultural Resources, such as buildings and cultural landscapes, are tangible history. In the interpretation and preservation of these artifacts balance is achieved through not only the social and economic aspects, but the physical as well. Increased quality of life through a positive economic marketplace, creating awareness or providing a positive atmosphere where we can live, work and play, is our goal in any project.

ARCHITECTURE
PLANNING
PRESERVATION

Brock, Reed, & Wade Building

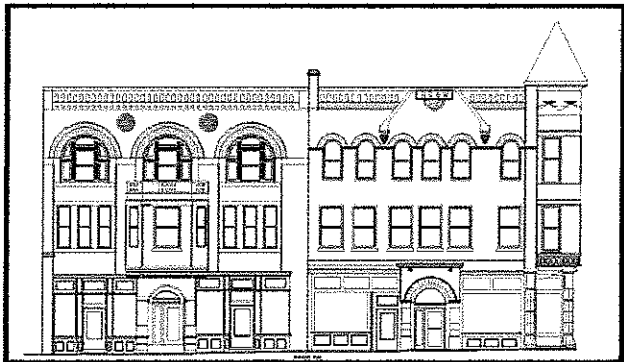
Morgantown, WV

RESIDENTIAL ■ COMMERCIAL ■ PUBLIC



Service: **Renovation and
Rehabilitation for
Adaptive Reuse**

This nearly 105 year old building in downtown Morgantown's National Register nominated Historic District was integral to the early economy of the city. Designed by architect Jonathan Fulton and constructed by Baker & Coombs, the Romanesque Revival style structure served many purposes over the last century, including as a law firm, a doctors office, two lodges, and even a school. Located on the corner of High and Pleasant Streets, the building is in serious disrepair and requires major renovation and rehabilitation. The Mills Group, LLC, has been contracted to survey the existing conditions of the building and develop a plan that would best serve the building as both business offices and housing, while still maintaining its historic character and details. Adaptively reusing the building by updating and configuring the space will ultimately facilitate the economical growth of the downtown area, retaining its integral role as the center of the community.



 **MILLS GROUP, LLC**
ARCHITECTURE ■ PLANNING ■ PRESERVATION

"Designing on the Principles of the Past and Preserving for the Future"

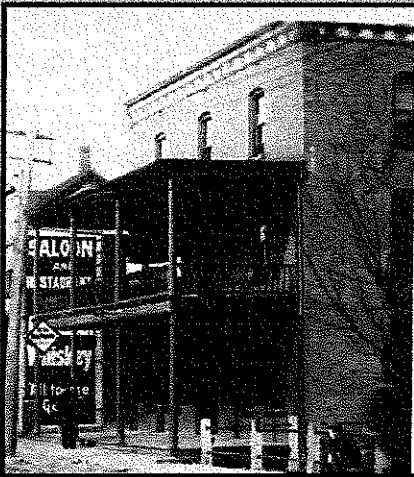
ARCHITECTURE
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Client: **Mountain Partners in Community Development**

Service: **Feasibility Study & Redevelopment Concept Plan**

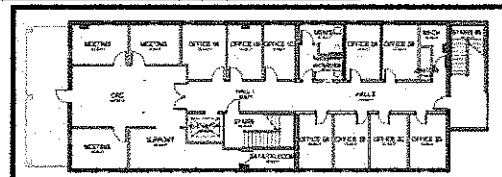
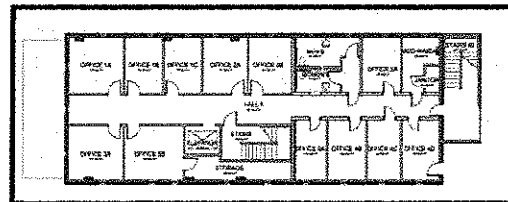
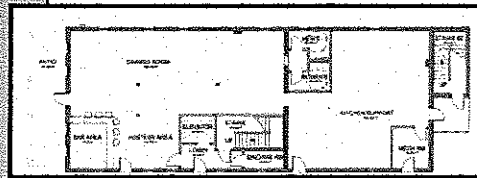


 **MILLS GROUP, LLC**
ARCHITECTURE ■ PLANNING ■ PRESERVATION

Delmonte Hotel

Elkins, WV

The Delmonte Hotel, located on Railroad Avenue, in Elkins, West Virginia was an integral part of the bustling early twentieth century railroad network that extended across the United States. Built in 1899, and modified in 1906, the building was purchased in 1998 by Mountain Partners in Community Development. The building had had little upkeep and regular maintenance in the years prior to its purchase, leaving it unsafe and at risk to major deterioration. The Mills Group, LLC, was contracted by Mountain Partners to perform an intensive survey of the building to best provide a concept design for its adaptive reuse. The Delmonte Hotel was an important part of railroad and local history, providing a reasonably priced, hot meal for workers and residents alike. Our proposed design utilized the first floor of the building to be developed as a restaurant, and the upper levels as office space. While the Delmonte Hotel will likely not be a hotel again, retaining its historical integrity through the sensitive use of space and architectural elements, such as door hardware and wood windows and moldings, maintains its sense of place in history, yet utilizes the building for a modern use.



ARCHITECTURE
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Webb-Blessing House

Charles Town, WV

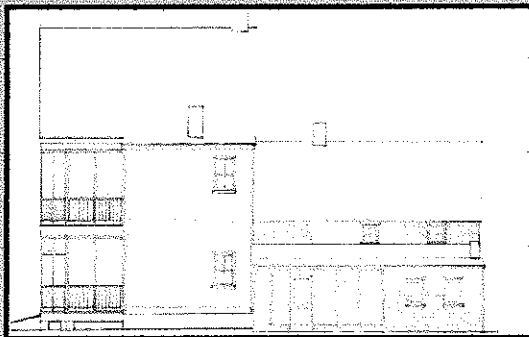
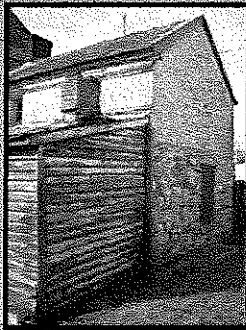
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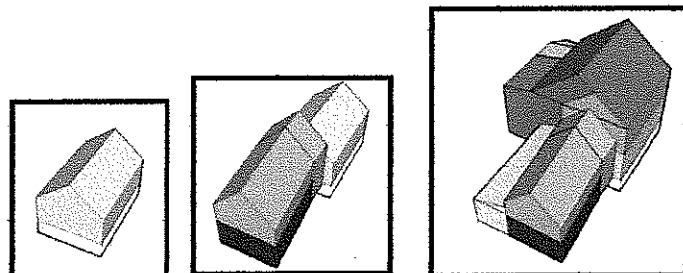
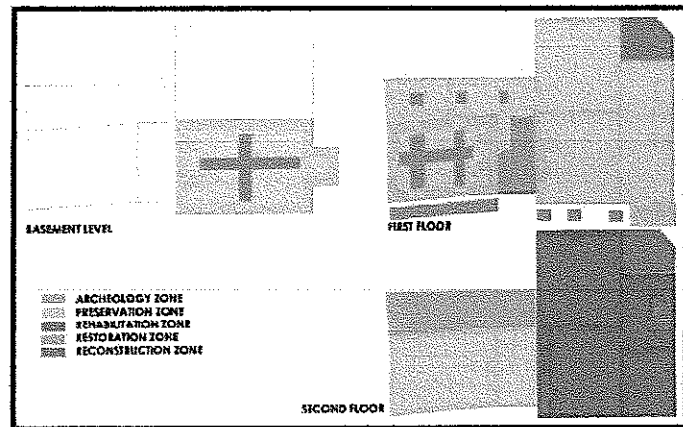
Client: **Jefferson County
Historic Landmarks
Commission**

Estimated Construction
Costs: **N/A**

Service: **Historic Structures
Report**



This historic landmark in downtown Charlestown, West Virginia, was built in the mid-1800's by a freed black man and housed him and his family at a time when African Americans seldom owned the rights to themselves let alone significant amounts of personal property. The house is integral to the city, which played a central role in the secession crisis and the subsequent Civil War. The Webb-Blessing House has suffered the ill effects of neglect for many years. The Mills Group surveyed and assessed the condition of the building, compiling a feasibility report that identified the historic components of the house and documented the progression of change over time. It also detailed the steps to be taken to first stabilize, then restore, and finally utilize the structure as a house museum that will relay a part of the community's rich history and cultural heritage.



MILLS GROUP, LLC
ARCHITECTURE ■ PLANNING ■ PRESERVATION

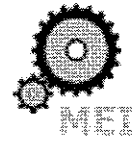
West Virginia Division of Culture and History
A/E Consultant Solicitation #DCH08118



Miller Engineer Inc

- Firm Statement
- Staff Resumes
- Similar projects

Vendor
Experience



MILLER ENGINEERING, INC.

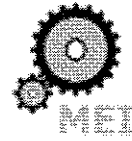
SUMMARY

Miller Engineering, Inc. (MEI) was formed to provide professional services to facility owners and operators, architects, and contractors throughout West Virginia and Pennsylvania. MEI provides services in mechanical, electrical, and plumbing design as well as project management. We utilize the abilities of designers, often on a contract basis, with many years experience in their area of expertise on a "best resource for the project approach". We also provide project management services at levels ranging from general oversight to complete project delivery through all phases of design and construction. Our personnel have worked in both the private and public sector and are familiar with many methods of project delivery from classic design/bid/build to full design/build with partnering.

MEI has developed the following philosophy to guide the performance of its services:

- Provide superlative design services to our clients in new construction, renovations, and daily operations.
- Perform work in a timely, accurate, and professional manner.
- Present multiple alternative and solutions whenever possible.
- Work with our clients to control first and life cycle costs.
- Be a technical "sounding board" for our clients in all situations.
- Strive to maintain professional competency through continuing education and training.

MEI utilizes a "practical application" approach to all projects throughout the design process. This approach emphasizes the best overall solution, meeting all the client's needs, instead of the best technical solution. We believe our small size provides a distinct advantage to our clients and affords us the freedom to team with the clients to achieve the overall best possible result.



Miller Engineering Inc.
Professional Design Services

B. Craig Miller PE
President
Miller Engineering, Inc

Responsibilities include:

Engineer in Responsible Charge of all projects.

Design, Project Management, Construction Administration of Mechanical, Electrical, Plumbing systems for new construction and renovation projects.

Managing all aspects of projects from evaluation and initial identification of project opportunities, developing concept, schematic and construction design, bidding, submittal review and project management as required to deliver project with specific objectives in a given time frame.

CASTO TECHNICAL SERVICES

Charleston, West Virginia

Existing Building Services Staff Engineer

Nov 2002 – September 2003

Duties include:

Completion of HVAC performance contracting and "turn key" retrofit projects.

Managing all aspects of projects from evaluation and initial identification of project opportunities, developing concept, schematic and construction design, managing project team and subcontractors to deliver project with specific objectives in a given time frame.

Responsible for administration, implementation, and management of performance contract based and "turn key" mechanical, electrical projects.

UNIONTOWN HOSPITAL ENGINEERING DEPARTMENT

Uniontown, Pennsylvania

Supervisor of Engineering and Clinical Engineering

Feb. 2001 – Oct 2002

Work included:

Supervising Engineering personnel in the day-to-day operation of Hospital's physical facilities including: mechanical, electrical, plumbing, and structural troubleshooting.

Managing the Clinical Engineering technician in the repair and maintenance of patient-critical support and monitoring equipment.

Managing small alteration and construction projects

Managing the facility's preventative maintenance program.

Re-commissioning HVAC systems and controls.

Managing the personnel safety, and "cross training" program.

Keeping the hospital code compliant with such codes as: NFPA, NEC, ADA, BOCA, JCAHO.



West Virginia University Physical Plant

Morgantown, West Virginia

Staff Engineer

Nov. 1995 - Feb2001

Work included:

- Assisting in-house maintenance personnel in troubleshooting mechanical, electrical, plumbing, and structural operations problems.
- Assisting in-house personnel in maintenance of the University's facilities.
- Managing the University Energy Efficiency Program
- Scoping, budget estimating, designing, preparation of project documents including drawings and specifications, bidding, and overall project management of alteration, maintenance, and repair projects in support of the University function as a major research institution (project list attached).
- Managing projects which have been designed by outside A/E firms
- Infrastructure planning for both alterations and capital construction projects
- Reviewing designs by outside A/E firms for compliance codes such as: NFPA, NEC, ADA, BOCA, ALAC, as well as the University's construction standards and constructability.

West Virginia University Physical Plant

Morgantown, West Virginia

Interim Manager of Alterations, Engineering, & Energy Unit

November 1997 – March 2000

- Duties included all duties of Staff Engineer's Position listed above and additionally:
- Managing day to day operation of the Engineering Unit and it's integration with other Physical Plant units, other University departments, and outside entities such as contractors and the public
- Integrating the Engineering Unit with the Capital Construction Unit in the design review of all Capital projects
- Supervision and tasking of Staff Engineers, Alterations Project Managers, Project Inspector, Landscape Designer, Elevator Contract Manager, Drafting Technician, Secretary/Receptionist, Student Interns
- Prioritization of Unit's work responsibilities in such a manner as to deliver projects on-time, within budget
- Review of all the unit's design and contract work prior to release for procurement of services

Board of Parks and Recreation Commissioners (BOPARC)

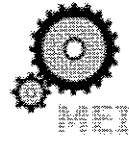
Morgantown, West Virginia

Caretaker – Krepps Park

May 1990 – November 1995

Work included:

- Managing aquatics facilities operations
- Performing maintenance and repair work to park system facilities



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Design and construction of facilities upgrades to park system facilities

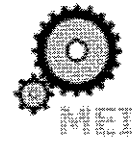
University of Charleston Physical Plant
Charleston, West Virginia

Electrician / HVAC Mechanic

October 1983 – August 1988

Work included:

Work as systems mechanic performing maintenance, repair, and construction to mechanical, Electrical, and Plumbing systems throughout the University facilities.



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BARRY GOLD
MECHANICAL DESIGNER

QUALIFICATIONS

Barry has more than 24 years' experience in drafting, design, code research, specification, bidding, and construction project management of mechanical, electrical, fire protection, and plumbing systems. His particular emphasis in recent years has been in the pharmaceutical, semiconductor industries, and waste water treatment industries. He specializes in projects relating to industrial and laboratory application. Barry started his engineering career as a mechanical draftsman and worked his way to status as a lead mechanical designer. Semi-retired, Barry works for MEI on an as-needed basis.

Barry has direct experience in the job order/ open end contract environment from his days with Industrial Design & Construction and Claitman Engineering. This experience is invaluable in the implementation of the WVU open end contract. He has performed construction management on many projects through the years and has worked on both a preventative maintenance program and a checked baggage screening system at Pittsburgh International Airport.

Barry's twenty-four years of diverse experience in consulting engineering design, and construction services is telling of his abilities. In the three years of service with CDM, his time was primarily split between department management and mechanical engineering design, calculations and specifications for the water and waste water treatment industry. Eight years of service with IDC was primarily been split between design and construction services with special emphasis on mechanical systems for the semi-conductor and pharmaceutical industry. Barry is well versed in calculations, piping design, HVAC design, specification writing, estimating, design build services, construction contract execution, construction coordination, construction management, construction observation/ inspection and sub-contractor management. During the five and a half years Barry was at Claitman Engineering he primarily plumbing and HVAC design, calculations and specifications. Barry's work at Claitman Engineering included a range of work from light commercial to industrial applications. He is also computer literate and

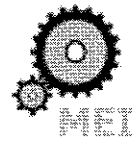


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able to utilize general computer programs such as excel, word, MS project, and auto-cad 2000.

EDUCATION

Barry has enhanced his ability throughout the years by taking many general and continuing education courses at community colleges and industry sponsored classes. He has completed his OSHA 30 hour course and has detailed training in construction coordination and project delivery.



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BRANDON MARRIMAN
MECHANICAL DESIGNER

EDUCATION

Bachelor of Science in Mechanical Engineering
West Virginia University – May 2006

QUALIFICATIONS

Brandon is currently a senior in Mechanical Engineering at WVU and will graduate in May 2006. He started with MEI in May of 2005 and worked full time as an Engineering Intern during the summer. He has worked part time through the school year. His work has proven invaluable and he possesses a keen ability to grasp and apply new information. Brandon will increase his part time hours during the spring semester and join MEI full time upon graduation from WVU.

Brandon comes to MEI with an excellent academic record and a willingness to learn that assures he will grow to be a highly valuable member of our team. His long term goal is to obtain his Professional Engineer's license and continue consulting.

PROJECT: OGLEBAY MANSION MUSEUM HVAC
LOCATION: WHEELING, WV



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MEP TECHNICAL HIGHLIGHTS:

Total Project Budget:
\$425K

MEP Budget:
\$425K

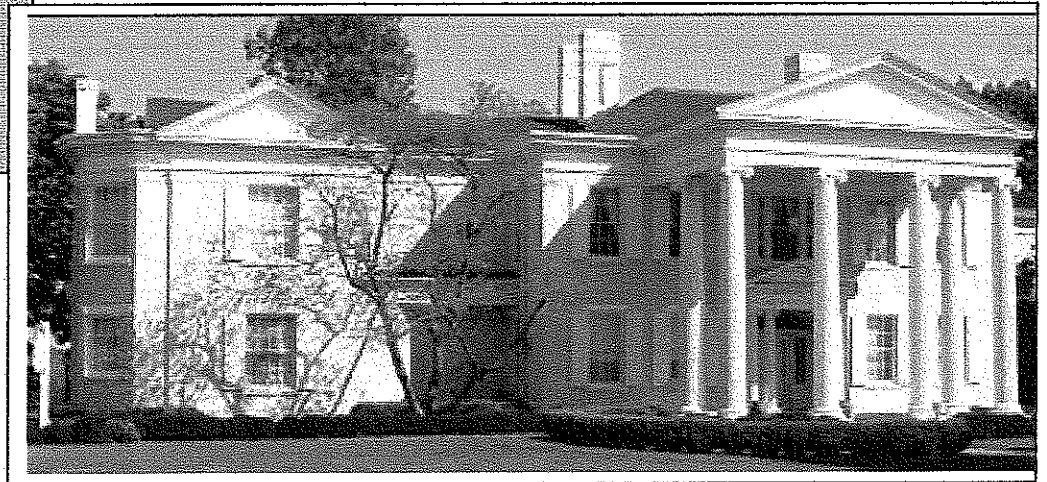
Facility Area:
Approx. 17,000 sq. ft.

Services Provided:
*Mechanical - emphasis
on humidity control*

Project Status:
*Design Complete/
Bidding*

Project Completion
Date:
Jan 2009

The 1846 Oglebay Mansion was added to in the 1960's and serves as a museum. The HVAC system was upgraded around the time of the addition but still is inadequate to the need and the value of the collection. The project drawings from that era are somewhat incomplete and MEI performed detailed field investigations to determine and document the extent of the previous installation. The existing system was reverse engineered to understand how it could be altered with the least impact on the building. Project drawings were then created to re-use as much of the previous installation as possible and control the heating, cooling, and humidity in a manner most conducive to building and collection.



PROJECT DESCRIPTION:

The Oglebay Mansion was built in 1846 by Paul Matvey. It was originally an eight-room farmhouse. Earl W. Oglebay purchased the mansion and its 25 adjoining acres in 1900, renamed it Waddington Farm, and used it as his summer estate. The Mansion has 12 period rooms focusing on West Virginia's earliest settlement through the Edwardian Age. The collection features decorative arts, glass, china, pottery, archives, and a changing exhibition gallery. A more precise heating/ air conditioning/ dehumidification system is required to protect both the collection and structure. The historical nature of the structure required a thorough understanding of the structure and the impact of any changes.

PROJECT: WVU BOREMAN BISTRO RENOVATION
OWNER: WEST VIRGINIA UNIVERSITY, MORGANTOWN, WV



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MEP TECHNICAL HIGHLIGHTS:

Total Project Budget:	\$1.9M
MEP Budget:	\$1.2M
Facility Area:	Approx. 16,000sf
Services Provided:	Mechanical, Electrical, Plumbing, Fire Protection
Project Status:	Complete
Project Completion Date:	August 2007

There has been little or no modification to the kitchen or dining room since the building was constructed in 1937. The mechanical design for the renovation of Boreman Bistro was challenged by the following factors: minimum deck-to-deck height, many existing overhead utilities that had to remain to serve the dormitory overhead, a lack of utilities, and severely deteriorated piping systems. MEI modeled the space in three dimensions to ensure that the new piping, ductwork, and electrical systems would coordinate in the field during construction. The addition of substantially larger cooking exhaust hoods complicated this process and required a reversal of the normal manner in which such ductwork is installed. The new installation accomplishes the task and meets fire codes as well as the Owners wish for a maintainable system.



PROJECT DESCRIPTION:

Boreman Bistro is located on the ground floor of Boreman South, a WVU residence hall on the Downtown Campus in Morgantown, WV. Many students dine at the Bistro due to its food quality and proximity to the campus and surrounding student living quarters. The University wished to upgrade these issues to permit better production of food, a more comfortable environment to patrons and kitchen staff alike, an ergonomically efficient dining area, and a safer environment to all by upgrading the existing systems. Upon completion of the project, the sanitary drain, supply water, HVAC and electrical systems were all completely upgraded to modern codes and standards.

REFERENCE:

Paul Whiteman, WVU Facilities Management PDC
979 Rawley Lane
Morgantown, West Virginia 26506
304-293-7773

PROJECT: CASS COUNTRY STORE HVAC EVAL.
LOCATION: WHEELING, WV

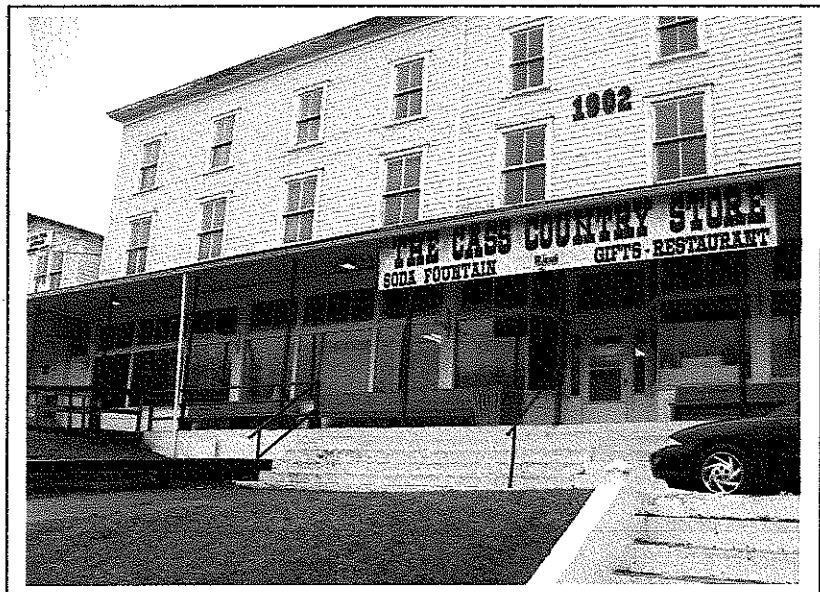


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MEP TECHNICAL HIGHLIGHTS:

Total Project Budget	\$575 (est)
MEP Budget	\$375K (est)
Facility Area	Approx 32,000 ft ²
Services Provided	Mechanical emphasis on humidity control
Project Status	Evaluation Complete
Project Completion Date	Phase I - May 2008

The 1902 building originally served the region as a furniture store and was made part of the Cass Scenic Railroad in the 1960's. The Owner's complaints included uneven heating, repeated steam leaks and boiler safety concerns. Phase one of the project consists of an evaluation, detailed recommendations, and preparation of preliminary budget cost to implement the repair/ replacement of the heating system. Phase two is the follow on implementation of the report recommendations



PROJECT DESCRIPTION:

Located in the charming, historic town of Cass, WV, the Cass Country Store complements the Cass Scenic Railroad State Park which transports passengers back in time for an unforgettable adventure. The first phase of the project was to evaluate the existing steam heating system and its components. MEI performed a detailed survey of the system and determined that a system replacement was likely required.

REFERENCE:

Don Smith, WV Department of Natural Resources
1200 Harrison Ave., Suite 222
Elkins, WV 26241
304-637-0300

PROJECT: BERKELEY SPRINGS BATHHOUSE
OWNER: WEST VIRGINIA DNR, BATH, WV



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MEP TECHNICAL HIGHLIGHTS:

Total Project Budget:	\$1.1M
MEP Budget:	\$660K
Facility Area:	9,000 SF
Services Provided:	Mechanical, Electrical, Plumbing
Project Status:	Design Complete
Project Completion Date:	Securing Funding

The Bathhouse Renovation includes replacement of all MEP systems within the facility. The existing steam boiler is being replaced as are steam fired hot water tanks and all associated piping. The hot water demand is huge and is split into two systems, domestic (2,000 PGH) and Roman Bath water (3,000 GPH). The cast iron radiator heating system is being replaced by a full VAV HVAC system w/ terminal reheat, and comfort radiant heating over the clients tubs and massage tables. These systems will provide proper ventilation and dehumidification, which has never existed in the facility.

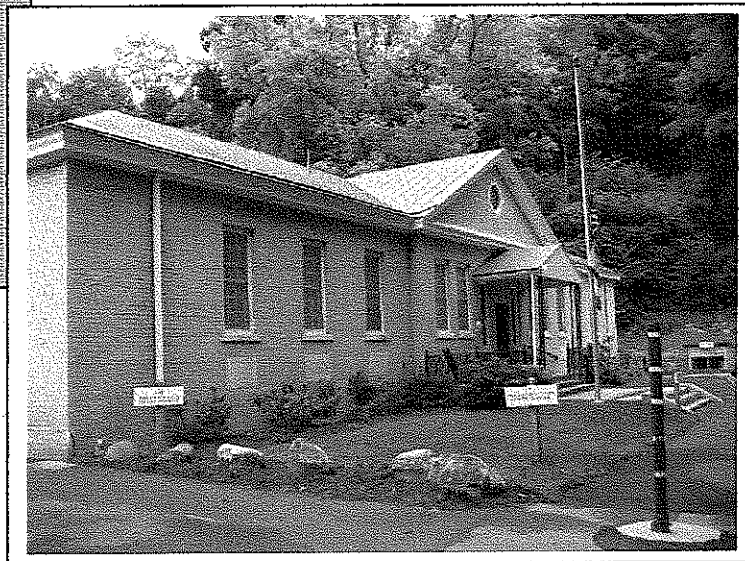


Photo Courtesy of ALPHA Associates

PROJECT DESCRIPTION:

The Berkeley Springs Bathhouse, built in 1929, is a historic structure located in the Berkeley Spring State Park in the Town of Bath, West Virginia. The approximately 1000 gallon per minute flow of 78.4 degree mineral laden water is used by the spa located in the bathhouse. The water is heated and clients soak in either tubs or large Roman baths prior to other spa activities. The Project is a renovation of the facility with a total MEP replacement. The goal of the MEP system design is reliable, cost effective, and energy efficient systems that enhance the client experience and protect the historic facility.

REFERENCE:

Don Smith, WV Department of Natural Resources
1200 Harrison Ave., Suite 222
Elkins, WV 26241
304-637-0300

PROJECT: WVU CAPITAL COMPLEX ELEVATORS
OWNER: STATE OF WEST VIRGINIA, MORGANTOWN, WV



Miller Engineering Inc.
Professional Design Services

MEP TECHNICAL HIGHLIGHTS:

Total Project Budget:
\$3.5M (All Phases)

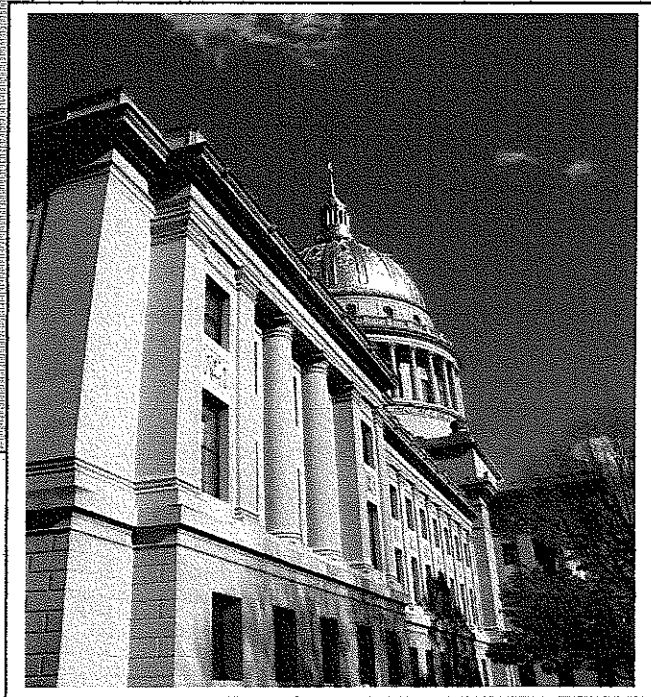
MEP Budget:
\$850K (All Phases)

Facility Area:
Limited by nature of project

Services Provided:
Mechanical, Electrical, Plumbing, Fire Protection

Project Status:
Complete

Providing detailed evaluation of MEP systems supporting elevator function in multiple buildings throughout the State Capital Complex. Design, prepare bid documents, and provide construction administration for systems associated with the repair or replacement of the elevators. All systems are being brought to current codes and standards including Fire Alarm and Fire Suppression.



PROJECT DESCRIPTION:

Teamed project with CAS Structural Engineering, RAK Consultants, and Chapman Technical Group to address obsolete elevator equipment and replace elevator systems in multiple buildings on the WV Capital Complex. The project is being phase implemented by priority based on initial evaluations of systems for safety, availability of parts, maintainability and Owner needs. Some systems have been condemned by the Department of Labor with mechanical and structural concerns requiring complete replacement. Some rope systems are being replaced with hydraulic system to alleviate structural concerns.

REFERENCE:

Dennis Stewart, West Virginia General Services Division
Building 1, Room MB14
Charleston, West Virginia 25305
304-558-4590