S-E-M
ARCHITECTS

• Westerville, Ohio •

David S. Beeman, AIA
Robert C. Cushman, AIA
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September 29, 2008

Division of Culture and History
The Cultural Center
Capitol Complex
1900 Kanawha Blvd East
Charleston, WV 25305-0300

RE: West Virginia Independence Hall
Wheeling, WV

Dear Sir/Madam:

SEM is extremely excited regarding your planned restoration at Independence Hall in Wheeling. Our team has visited the site on two occasions and has begun to assemble historic research which will be necessary for the execution of the project.

Our team is comprised of SEM; Hardlines Design Company, a company which specializes in Historic Restoration, Archaelogy and Historic Research and CMA Engineering with whom we have completed several restoration projects. No team will work harder for you on this important project.

We have already learned a considerable amount about the history, design and construction of the facility as you will notice in our project approach section.

Our team has experience in plaster restoration at the Clagett House in Wardensville, sandstone masonry and built-in gutters at Stewart Hall on the campus of WVU and metal roofing on a variety of projects.

We know we can complete a successful project for you and look forward to talking with you later in the near future.

Thank you for your consideration.

Sincerely,

J. Blair Frier, AIA
Principal / Project Manager

Enclosure

RFQ No. DCH09027

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

VENDOR OWING A DEBT TO THE STATE:
West Virginia Code §5A-3-10a provides that: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:
West Virginia Code §21-1D-5 provides that: Any solicitation for a public improvement construction contract shall require each vendor that submits a bid for the work to submit at the same time an affidavit that the vendor has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code. A public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the West Virginia Code may take place before their work on the public improvement is begun.

ANTITRUST:
In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

LICENSING:
Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or polltical subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

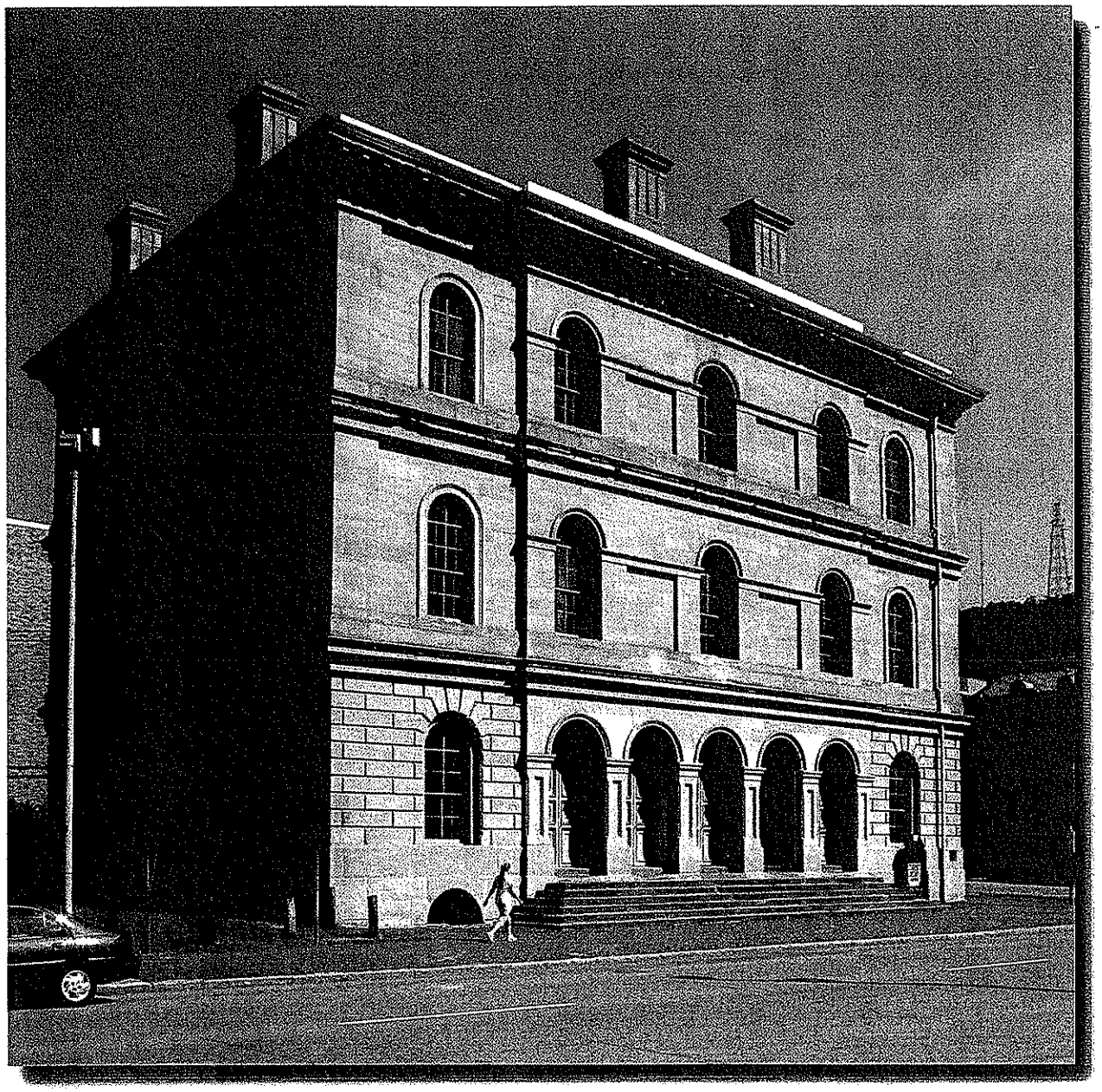
CONFIDENTIALITY:
The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit **www.state.wv.us/admin/purchase/privacy** for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and is in compliance with the requirements as stated.

Vendor's Name: SEM Architects

Authorized Signature: _____ Date: September 29, 2008

J. Blair Frier



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S·E·M
ARCHITECTS
"Exceeding your Expectations"

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The Secretary of the Interior's Standards are focused on 4 Basic approaches.

The four treatment approaches are:

1) Preservation places a high premium on the retention of all historic fabric through conservation, maintenance and repair. It reflects a building's continuum over time, through successive occupancies, and the respectful changes and alterations that are made.

2) Rehabilitation, the second treatment, emphasizes the retention and repair of historic materials, but more latitude is provided for replacement because it is assumed the property is more deterio rated prior to work. (Both Preservation and Rehabilitation standards focus attention on the preservation of those materials, features, finishes, spaces, and spatial relationships that, together, give a property its historic character.)

3) Restoration, the third treatment, focuses on the retention of materials from the most significant time in a property's history, while permitting the removal of materials from other periods.

4) Reconstruction, the fourth treatment, establishes limited opportunities to re-create a non-surviv ing site, landscape, building, structure, or object in all new materials.

Other factors used for evaluation are as follows:

Relative importance in history.
Certainly this property has a very significant place in the history of the formation of the State of West Virginia.

Physical condition. Has the building been modified?
This building has survived relatively intact as former additions (the former 4th floor and entrance portico) have been previously removed.

What is the existing condition--or degree of material integrity--of the building prior to work?
Overal the building is in fair condition but both its exterior and interior surfaces are being damaged by water infiltration. Windows have been repaired over time but are in need of either major repair or replacement. Some parts of the buildings mechanical systems are in need of upgrading.

Proposed use: Will the building be used as it was historically or will it be given a new use?
Since part of the mission of the Building is to allow visitor interpretation of the facility as it was dur ing the formation of statehood, it has required minimal modification. Current exhibits as well as the new exhibit on West Virginia Flags fit in well with the buildings mission and also do liitle to modify the building.

Mandated code requirements.
Certainly the imacts of code requirements such as the Americans with Disabilities Act will have an impact on the facility. Our job is to carefully evaluate and design these mandatory requirements to minimize changes to the existing historic fabric.

The following standards will apply to the work scope of West Virginia Independence Hall:
Building Exterior: Materials
- Masonry
- Wood
- Architectural Metals

Building Exterior: Features
- Roofs
- Windows
- Entrances and Porches

Building Interior:
- Structural systems
- Spaces, Features and Finishes

Building Site

Setting (District / Neighborhood)

Special Requirements:
- Energy Efficiency
- Accessibility considerations
- Health and Safety Considerations

S·E·M and its consultants have experience in all these areas of expertise as well as Historic Research and Master Planning for Historic Building Development.

The following overall guidelines also are applicable to the Project:

1. A property shall be used for its historic purpose or be placed in a new use that requires minimal change to the defining characteristics of the building and its site and environment.

2. The historic character of a property shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided.

3. Each property shall be recognized as a physical record of its time, place, and use. Changes that create a false sense of historical development, such as adding conjectural features or architectural elements from other buildings, shall not be undertaken.

4. Most properties change over time; those changes that have acquired historic significance in their own right shall be retained and preserved.

5. Distinctive features, finishes, and construction techniques or examples of craftsmanship that characterize a property shall be preserved.

6. Deteriorated historic features shall be repaired rather than replaced. Where the severity of deterioration requires replacement of a distinctive feature, the new feature shall match the old in design, color, texture, and other visual qualities and, where possible, materials. Replacement of missing features shall be substantiated by documentary, physical, or pictorial evidence.

7. Chemical or physical treatments, such as sandblasting, that cause damage to historic materials shall not be used. The surface cleaning of structures, if appropriate, shall be undertaken using the gentlest means possible.

8. Significant archeological resources affected by a project shall be protected and preserved. If such resources must be disturbed, mitigation measures shall be undertaken.

9. New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.

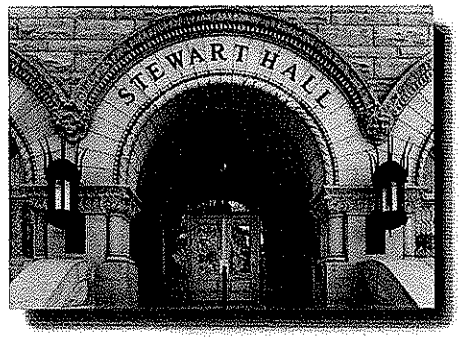
10. New additions and adjacent or related new construction shall be undertaken in such a manner that if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

The S·E·M Design pledges to uphold the preceeding 10 guidelines as we develop plans for the restoration of the West Virginia Independence Hall Project.

S·E·M has the following experience with the West Virginia State Historic Preservation Office:

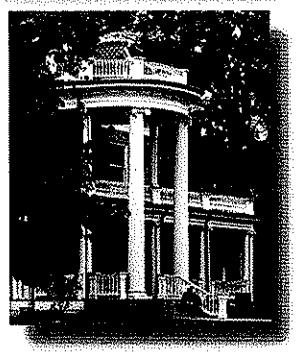
Stewart Hall

Exterior restoration of two historical structures located on the Downtown Campus of West Virginia University. Projects included stone masonry cleaning, tuck pointing and a complete lift and relay of the existing tile roof. Extensive replacement of the gutter and downspouts was completed using new copper. The building is included on The National Register of Historic Places. Honor Award for "Excellence in Architecture". This project also received an "Honor Award for Excellence in Building Trades Craftsmanship" for the replacement entrance lights and gate.



Purinton House

Exterior restoration of a historic structure located on the Downtown Campus of West Virginia University. Project included stone masonry cleaning, tuck pointing and extensive wood detail and trim repair. Building is included on The National Register of Historic Places.

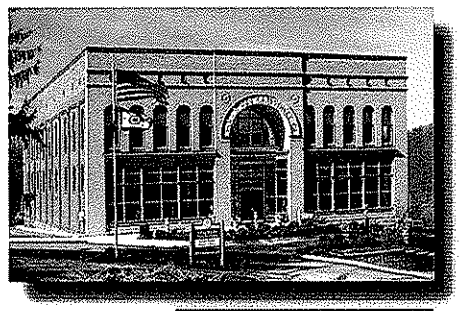


Clagett House

Extensive plaster restoration was necessary due to damage from deteriorated roofing, gutters and downspouts. A **new standing seam metal roof** along with copper gutters and downspouts were installed. Masonry cleaning and pointing were also completed. Three porches were rebuilt, one from historic research. All windows were reglazed and repainted and **interior storm panels were installed.**

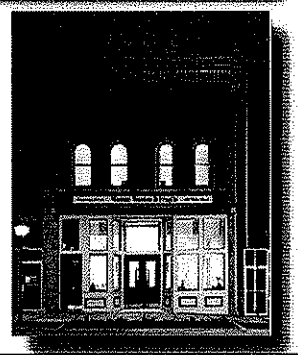
Buxton-Landstreet Building

The entire wood storefront on this building was replaced with an exact reproduction of the original. Existing glass in the storefront was replaced with insulated glass. The masonry was cleaned and repointed. Existing windows were repaired and made weather tight.



Wooten, Wooten & Fragile Offices

Interior and Exterior Renovation of the former Callaway Building in Downtown Beckley, West Virginia. Project includes masonry cleaning, tuck pointing, stone cleaning, and renovation of historic pediment and other details to restore to original appearance. Interior renovations include total demolition and conversion to law offices for Wooton, Wooton and Fragile Attorneys.



HARDLINES DESIGN COMPANY ARCHITECTS

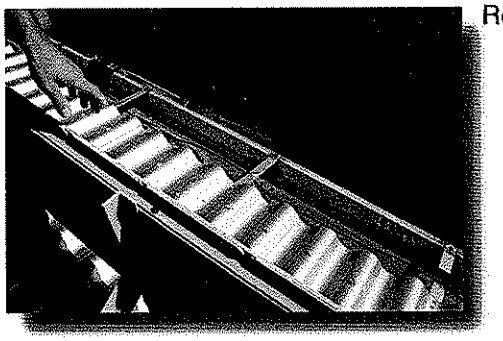
In addition to the previous SEM experience Hardlines Design Company has the following experience with WV SHPO:

Bluestone Dam Mitigation, Hinton vicinity, for U.S. Army Corps of Engineers (Huntington District)
Did state-level HAER mitigation on a Corps of Engineers dam. The mitigation format was coordi nated with the WVa SHPO and they reviewed and approved the report and photos

Civil Works Housing Survey for U.S. Army Corps of Engineers (Pittsburgh District)
Several of the lockkeeper house sites were in WVa, including one in City of Wheeling. We com pleted WVa SHPO inventory forms and the SHPO reviewed and approved the forms and the WVa portion of the report.

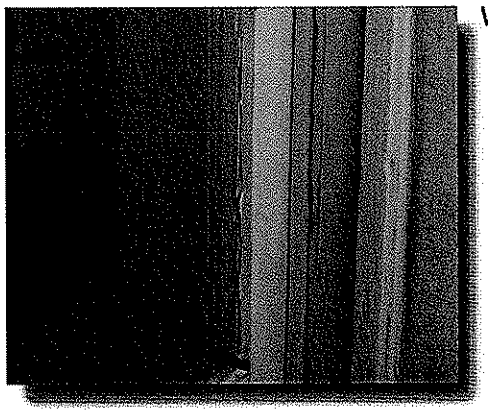
Ohio River Navigational Survey for U.S. Army Corps of Engineers (Pittsburgh District)
Same as civil works, but surveyed several locks and dams in WVa as well as lockkeeper housing sites.

Our Team Has already visited the site on 2 occasions and have developed numerous items to be investigated



Roof Replacement & Associated Work
- Inadequate number of downspouts
- Inadequate gutter system
- Investigate original and subsequent roof designs
- Investigate underground storm system for blockages
- Develop Costs for repairs

This work must be completed so that plaster restoration and other finishes are not damaged by incoming water



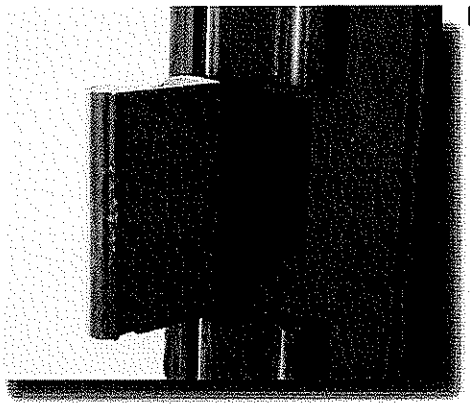
Window Restoration
- Can existing windows be repaired?
- Install interior storm windows or
- Rout sash for double glazing? or
- New replacement windows
- Develop Costs for repairs

These current windows are not the original windows
Investigate original window design

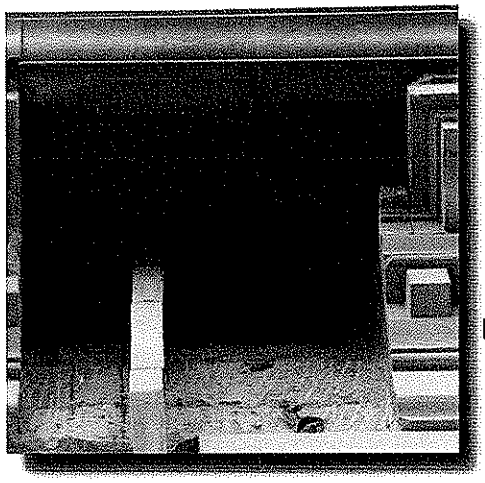
Exhibits need solar control

2nd & 3rd Floor Plaster Repair & Restoration
- Investigate serviceability of existing plaster moulds located in the attic.
- Create design for new moulds if required
- Investigate market for plaster crafts-persons.
- Develop allowance (by estimating amount of plaster work) to control costs
- Develop Costs for repairs

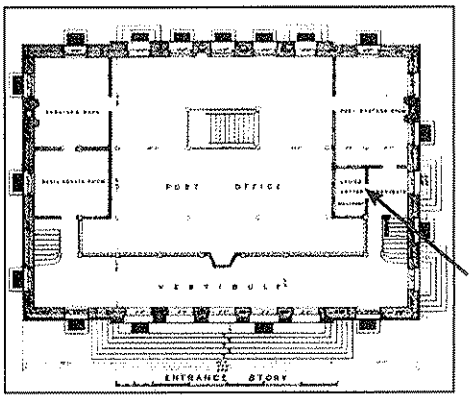
3 Room Renovation & Restoration
- As noted above, repair existing plaster cornices
- Repair wall damages
- Instal any missing doors
- New wood floor to match existing in building
- Base moulding to match existing
- Verify existing electrical
- Match new electrical to existing (installed in moulding)
- Wireless data to minimize installation
- Verify heating and cooling
- Match any other details to existing
- Develop Costs for repairs



Plumbing & Electrical Systems Assessment
- CMA Engineering to verify electrical adequacy
- Can electrical support new flag exhibit?
- Install all new electrical in moulding to match existing
- CMA Engineering to verify plumbing adequacy
- Develop Costs for necessary repairs



Exterior & Interior Stone and Masonry Assessment
- Conduct investigation to determine all necessary repairs
- Determine replacement vs repairs
- Develop Costs for repairs
- Prioritize repairs
- Develop details to "Dutchman" set new stone profiles to replace deteriorated existing



Elevator System Assessment to Meet Current Codes
Existing 4'-6" x 4'-3" cab size is too small to meet ADA
Verify if elevator shaft can take larger cab (5'-0" x 5'-0")
Consult with Fire Marshal to determine if a variance can be obtained

Elevator Area

Quality Assurance

Good project management is the key to quality control and effective communication is the management catalyst. The main responsibility of a Project Manager at S·E·M is to successfully orchestrate the entire design team through daily administration, prescribed schedule and cost controls, quality, and by attending all meetings. The Project Manager is the constant Owner-contact person.

More specifically, schedule controls are adhered to by:

- Preparing graphic time line schedules with milestone events and dates;
- Conducting regular review meetings with the Owner;
- Conducting regular review meetings with the Consultants;
- Utilizing computer printouts to monitor manpower;
- Utilizing standard progress checklists; and,
- Utilizing our forty-nine years of experience.

Quality and Cost Controls are met by:

- Establishing and confirming the budget, priorities, and design goals/parameters;
- Estimating, using a square foot method, an assembly method, and an unit cost control; (detail of estimate increases with detail level of project).
- Conducting regular review meetings at each phase;
- Discussing options (i.e., alternatives) with the Owner;
- Utilizing our detailed in-house library of standard details and CADD; and,
- Cross-checking by S·E·M personnel who haven't been closely involved with the project;
- Utilizing our forty-nine years of experience.

When a project is complete, S·E·M continues to remain involved by monitoring the project through the warranty period to aid the staff in the efficient utilization of your new facility.

Value Engineering

Value engineering can be defined as an organized effort directed at analyzing designed building features, systems, equipment, and material selections for the purpose of achieving essential functions at the lowest life cycle cost consistent with required performance, quality, reliability, and safety.

In the design phase of building development, properly applied value engineering considers alternative design solutions to optimize the expected cost/worth ratio of projects at completion. Value engineering elicits ideas on ways of maintaining or enhancing results while reducing life cycle costs.

In the construction phase, contractors are encouraged through shared savings to draw on their special 'know-how' to propose changes that cut costs while maintaining or enhancing quality, value, and functional performance.

Schedule Control

There are two (2) basic areas of concern when considering the Schedule: The time required to complete the design of the project, and the time required to complete the construction of the project. Both of these time lines must be carefully planned and regulated in order to complete a project on time.

Design Schedule

Design Schedule refers to the time the project starts being designed, to the time the project is completely designed, approved, and ready for bidding. Some of the means and methods our office uses to control this Schedule are:

- Prepare a graphic time line schedule indicating milestone events and dates including approval by Owner, government agency approvals, coordination meeting, etc.
- Conduct regular review meetings with the Owner.
- Conduct regular review meetings with the Consultants.
- Utilize computer printout to monitor manpower.
- Utilize standard progress checklist.
- Our track record and experience.

Construction Schedule

The construction period is a time when the Contractor controls and follows the schedule the Architect and Owner have set. However, careful monitoring and reporting by the Architect can greatly help to insure the project will be completed on time. Some of the means and methods our office uses to help Contractors meet the Schedule are:

- Careful review and subsequent approval of the original Contractors' Schedule. (We have recently worked on projects where we reviewed and rejected four (4) Contractors' Schedules before we approved one.)
- Careful monitoring of Contractors' Schedule. These schedules need to be updated and revised as the project continues.
- Resolution of small problems immediately on site through use of our experienced, Registered Field Architect.
- Regular preparation of Progress Reports.
- Timely turnover for shop drawing review and approvals (usually two (2) weeks or less).
- Timely review and approval of samples.
- "Pushing" Contractors to prepare and complete Punch List items.
- "Pushing" Contractors to submit closeout data.

The project budget is always a major concern. However, careful up-front planning and estimating will result in a successful project that is built within allocated funds.

Some of the means and methods we use to control costs are:

- Establish and confirm priorities and design goals/parameters (a good program).
- Develop a realistic budget.
- Estimating procedures: Square Foot Method/Assembly Method/Unit Cost Method are used with the more detailed methods being used in later design phases.
- Conduct regular review meetings on each Phase.
- Discuss options with Owner (i.e., creation of alternates and alternatives).
- Utilize in-house library of standard details.
- CADD System overlay method which reduces potential errors (i.e., dimensioning).
- Use of CONDOC system which "tightens" drawings and specifications.
- Access to current similar projects which have been recently bid.
- Track Record/Experience.

S·E·M has an exceptional track record for estimating projects. See the following pages.

Sucessfully Managing Change Orders and Recent Bidding

S•E•M's accuracy in developing project budgets and estimates is truly extraordinary, as is our project change order record. The average that Bids are below estimates is 1.0%. We have averaged only 1% change orders on construction under our sole administration over the lastfive (5) years. S•E•M has achieved this low level of change orders because we:

1. Emphasize communication between the Owner and design team to eliminate unfilled expectations during design.
2. Provide well-organized, well-coordinated construction drawings.
3. Thoroughly investigate existing conditions, including photography and verification of dimensions.
4. Back-check the Contractor's proposal via third party estimating to make sure it is a fair market cost.

S•E•M: SUMMARY OF CHANGE ORDERS for 11 Projects Listed Below:

Total Approximate Construction Cost:	$59,992,322
Total Approximate Change Order Amount:	$ 450,308
Average Change Order Percentage:	1.32%

S•E•M: SUMMARY OF ESTIMATING for 11 Projects Listed Below:

Total Approximate Construction Bids:	$59,992,322
Total Approximate Cost Estimates:	$61,003,034
Average that Bids are BELOW Estimates:	1.0%

Project Name:	Granville Exempted Village High School
Bid Price:	$8,200,936
Estimate:	$8,100,000
Change Order Dollars:	$19,049
Project Name:	Southern Local Schools Addition and Renovation
Bid Price:	$8,216,000
Estimate:	$8,200,000
Change Order Dollars:	$60,000
Project Name:	Granville Elementary School (New)
Bid Price:	$3,142,869
Estimate:	$3,263,815
Change Order Dollars:	$189,000 ($153,500 Owner Requested)
Project Name:	Taft and Edison Elementary School (Addition)
Bid Price:	$3,284,448
Estimate:	$3,464,600
Change Order Dollars:	$105,700 ($43,900 Owner Requested)

Project Name:	Northwestern Elementary School (Addition)
Bid Price:	$1,254,400
Estimate:	$1,496,743
Change Order Dollars:	$51,100 ($10,900 Owner Requested)

Project Name:	Miami University Hall Auditorium Renovation and Restoration
Bid Price:	$4,000,569
Estimate:	$4,127,586
Change Order Dollars:	$35,993

Project Name:	Slate Hill and Bluffsview Elementary Schools (New)
Bid Price:	$9,680,000
Estimate:	$9,509,000
Change Order Dollars:	$4,355

Project Name:	West Virginia University Laboratory Facility
Bid Price:	$8,564,500
Estimate:	$8,780,000
Change Order Dollars:	$101,705

Project Name:	Central College United Presbyterian Church Addition
Bid Price:	$1,241,000
Estimate:	$1,498,825
Change Order Dollars:	$16,500

Project Name:	Cedarville College Chapel / Music Building
Bid Price:	$10,922,600
Estimate:	$11,069,044
Change Order Dollars:	$193,000

Project Name:	Washington Township Recreation Center Addition
Bid Price:	$1,485,400
Estimate:	$1,493,421
Change Order Dollars:	$19,706

S·E·M Architects has specialized in the design of quality facilities for nearly **50 years.** We believe this specialized area of design calls for specialized expertise and we serve these unique needs with distinction.

As your Architect of Record, our contact information is as follows:

Name of Lead Firm S·E·M PARTNERS, inc. Architects

Contact Person J. Blair Frier, AIA, Principal
bfrier@sem-architects.com

Address S·E·M **Architects**
167 South State Street, Ste. 200
Westerville, OH 43081

614.794.3100
Fax 614.794.3088
email bfrier@sem-architects.com

Business Structure & Ownership S·E·M: founded 1959;
Ohio Corporation (Vietnam Era Veteran-Owned)
State of Ohio Certificate to Practice Architecture #060856

S•E•M Firm Personnel

Registered Architects	5
Graduate Architects	3
LEED AP	1
CADD Design	1
Interior Design	1
Community Development	1
Executive Secretary	1
Accounting	1

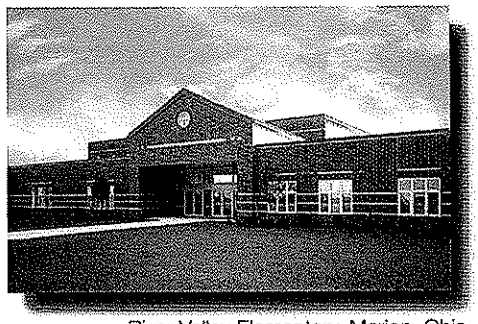
Professional Registrations see next page

Firm History

S·E·M Staff
Professional Registrations

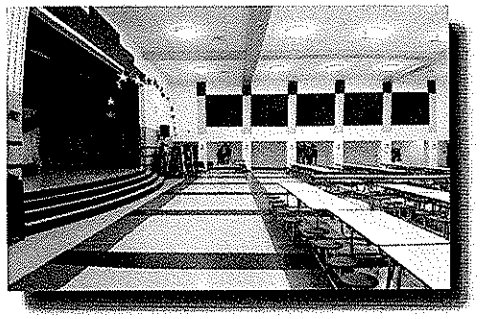
Name	Certification	State	Nos.
Beeman, David S., AIA	Architect	OH IN WV NCARB	#5690 #10100071 #1961 #25089
Cushman, Robert C., AIA	Architect	OH NCARB	#5886 #23755
Eller, Gregory D., AIA	Architect	OH WV NCARB	#12821 #2300 #46094
Frier, J. Blair, AIA	Architect	WV	#2041
Sansbury, Bryan C., AIA	Architect Project Mgr.	OH	#13651
Whinnery, JT	Project Management / Community Development		
Cardoza, Sarah	CADD / Interiors		
Creasey, Dana C.	CADD / Project Coord.		
Frier, Jack, III, AIA Assoc.	Graduate Architect		
Nothnagel, Jim, AIA Assoc.	Graduate Architect / Web Development / Database		
Zellner, Steve	Graduate Architect LEED AP		
Boldt, Barbara	Executive Secretary		
Kerr, Sandi	Bookkeeper		

The young architects who founded Design Associates Architects -- now S·E·M **Architects** -- in 1959 in Columbus, Ohio were filled with hope and the idealism of youth. They believed that if they concentrated on their architecture - its bricks, its art, its people - that financial success would naturally follow. Life is never quite that simple, but 50 years later their tenets for the fledgling firm -- **really serving clients, caring for employees, maintaining management continuity and always striving for quality design** --- have proven out.



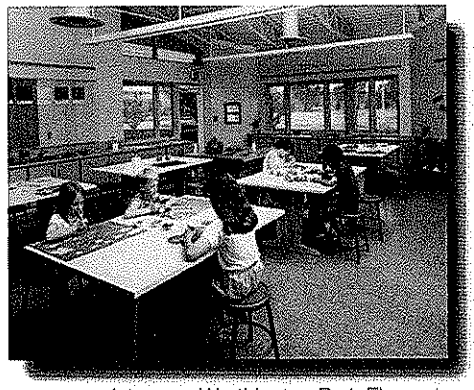
River Valley Elementary, Marion, Ohio

Founders Ralph Sounik and Ned B. Eller, firm chairman emeritus and chairman of the board respectively, have grown a prosperous firm of sterling reputation. S·E·M's creative projects range from residential remodeling to a $66 million Federal Prison, from the Kahiki, the nation's premier Polynesian Restaurant to award-winning K-12 public schools such as the OSFC project at Fairfield Local in Highland County,



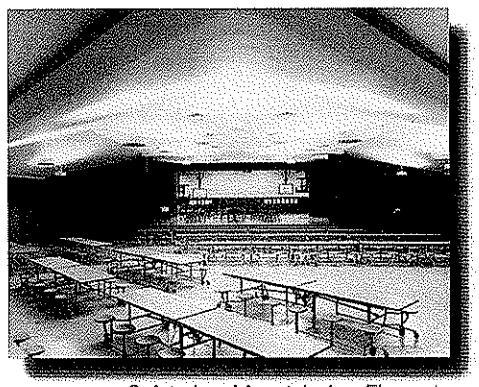
River
Pomeroy, Ohio

From its Columbus-area location, the firm first established a niche in residential, then church design, then school design. As educational design commissions became more numerous, the firm's practice crossed the river into West Virginia, where in 1973 the firm opened an office in Parkersburg and in 1979 moved to Beckley. Offices were consolidated in 2003 to Westerville, Ohio.



Artroom , Worthington Park Elementary
Worthington, Ohio

In 1965 S·E·M secured its first school design commission for a small county district along the Ohio River. We provided architectural services to Wood County Schools early on, one of the first "Better Schools Building Programs" in the State of West Virginia. Achievements in that county and those in Ohio, and the resulting references, provided a successful foundation for school design commissions. S·E·M maintains major competence in educational design, with schools completed for many districts including Granville Exempted Village Schools, Cedar Cliff Local Schools, Fairfield Local Schools, Worthington City Schools, Monongalia County Schools, Randolph County Schools, and Roane County Schools. Taft and Edison Schools in Ashland, Ohio were the first projects in the State funded by a unique lease-purchase agreement developed by S·E·M. Under this arrangement, older facilities are retired and sold and the funds used to construct new facilities. Bond Issue Services and Capital Campaign Services have been provided to many of our clients. School projects at Meigs Local (Pomeroy), River Valley (Marion), Fairfield Local (Leesburg), and others have been completed under Ohio School Facilities Commission funding, as have projects under West Virginia's School Building Authority.



Cafetorium Mountainview Elementary
Morgantown, WV

Firm History; continued

The Firm continues to expand its client base with widely diverse projects such as the Recreation and Fitness Center Addition at Cedarville University, Dublin Christian Church's Family Life Center, Beckley Federal Courthouse, Raleigh Regional Cancer Treatment Center, and the National Radio Astronomy Education Center at Green Bank, West Virginia.

S·E·M's recent central Ohio projects of note include the Dixon Ministry Center at Cedarville University and the award-winning Bexley City Schools. These facilities have received national recognition as award winning projects. S·E·M is also particularly proud of its award-winning West Virginia school projects such as Elkins High School.

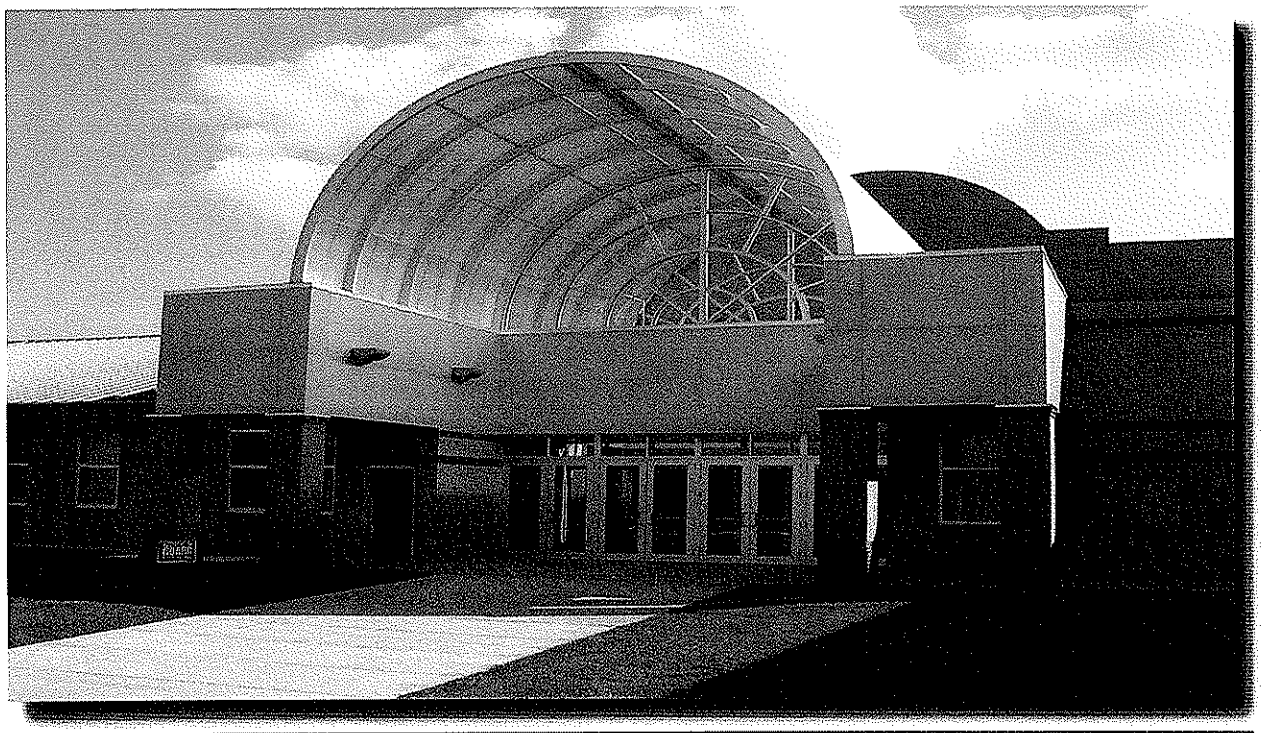
Other significant commissions representing the wide range of S·E·M's design skills have included civic projects, auto dealerships, condominiums, healthcare projects, historic restorations, adaptive re-use, correctional facilities, military facility projects, and parks and recreation facilities.

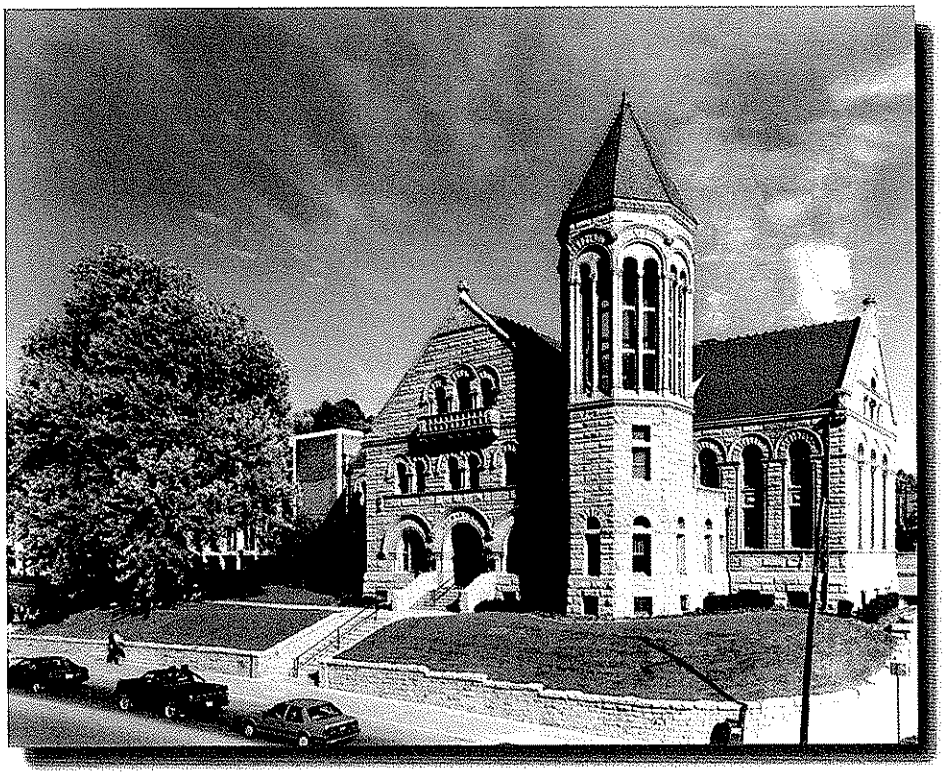
Our long term focus on mixed-use projects encompassing our educational expertise has opened doors relating to the educational facilities and multi-purpose areas that many churches are now pursuing. Clients such as Dayton Christian Schools, Middletown Christian School and Worthington Christian Schools have all utilized S·E·M's unique combination of school design capabilities.

Dixon Ministry Center Cedarville University
Cedarville, Ohio

Elkins High School Library
Elkins, WV

National Guard Readiness Center
Summersville, WV





Stewart Hall Restoration
West Virginia University
Morgantown, WV

Honor Award
Craftmanship Award
AIA - WV

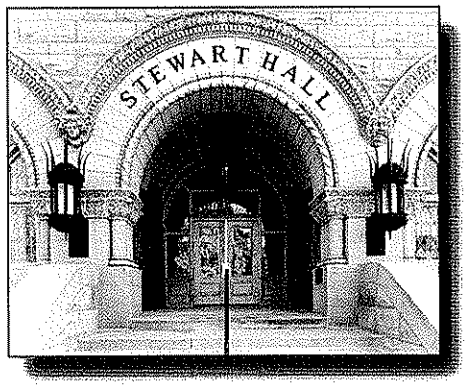
New exterior lights
New front entry door
with beveled glass
New clay tile roof
New iron gates
Mortar joints repointed
Invisible nylon net bird screen
on upper windows
AIA Honor Award Winner

West Virginia University
Morgantown, West Virginia
Contact: Nancy Moore
304.293.7773

Project Profile

Completed in 1902, Stewart Hall is on the National Register of Historic Places. It is home to prominent University offices including the University President and Cabinet members. Situated downwind from the University power plant, the building had become extremely worn. Fixing weather-related problems and the preservation of appearance and "period" were determined to be the client's top priorities. S•E•M's project approach was two-phased: to investigate the scope of work to be completed, and to begin restoring the historic fabric of the building.

Working from the original 1896 drawings, S•E•M removed the non-original features and replaced them with items detailed from the original drawings. The mercury vapor "street lights" were removed from the building. The front entry lights were replaced with duplicates from the original drawings. Iron gates were redesigned and placed into the original pivots, new front entry doors with beveled glass were installed, and the existing clay tile roof was removed and reinstalled with duplicates of the original tile. New copper leader boxes and downspouts, repointed mortar joints, repaired window frames, and "invisible" nylon net bird screens for the upper exterior windows completed the restoration. In addition, the exterior sandstone masonry was cleaned using both chemical and high-pressure washings. The end result was a beautifully restored historic building that won both an Honor and a Craftsmanship Award from AIA West Virginia.



"The Stewart Hall renovation project represents one of the finest architectural projects ever completed on West Virginia University's historic Downtown Campus. SEM Architects masterfully renovated one of the campus' oldest buildings, home today of WVU's administration, while at the same time preserving the historical integrity of the structure. As a result of their fine efforts, this former Library - named for WVU's 13th President Irvin Stewart - remains on the National Historic Preservation Society's list of historical buildings, and University employees and visitors enjoy its attractiveness and improved functionality."

Mr. Scott Kelley
Vice President of Finance, Administration & Human Resources

Clagett House
Restoration
West Virginia
University
Wardensville, WV

Honor Award
AIA - WV

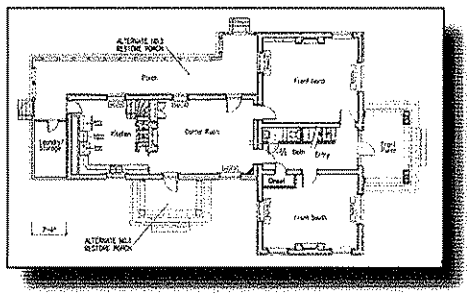
New exterior lights
New front entry door with sidelights
New standing seam metal roof
New Porches
Mortar joints repointed and masonry cleaned
Bath and Kitchen rebuilt
AIA Honor Award Winner

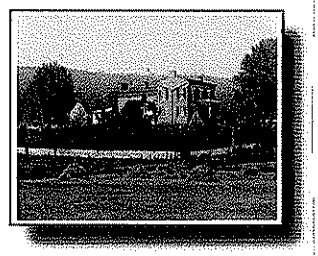
$520,000 construction
3500 SF

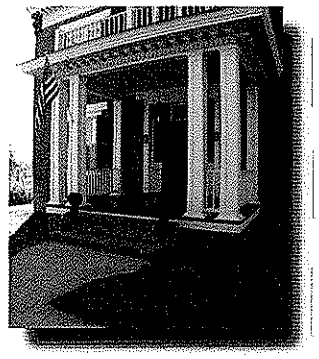
West Virginia University
Morgantown, West Virginia
Contact: Merle Peterson, AIA
304.293.2863

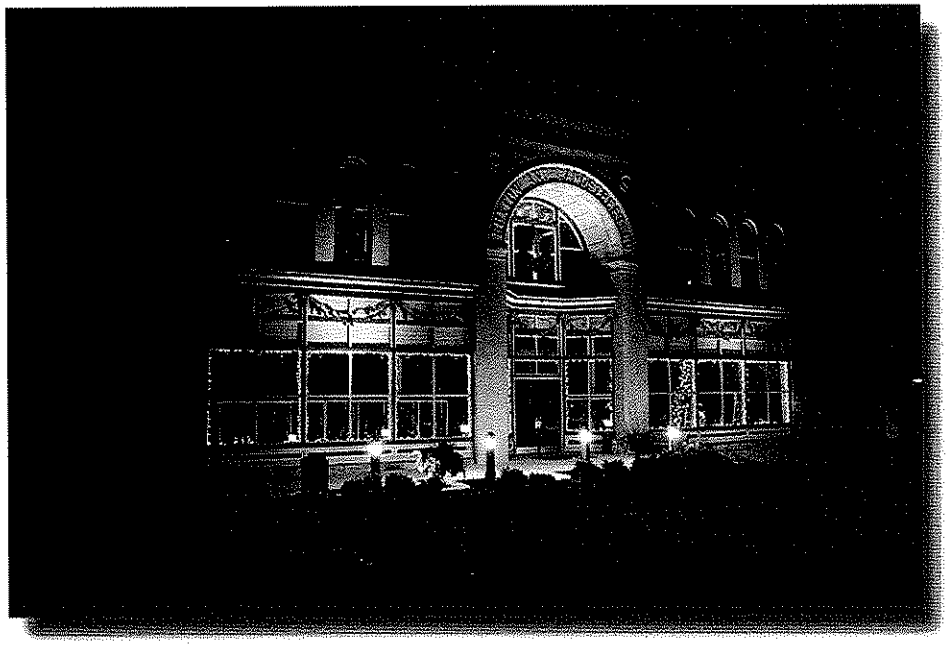
Project Profile

This house was in a very poor state when S·E·M first began to develop the work scope. Water from the downspouts had penetrated the brick exterior walls and **done considerable damage to the interior plaster.** The interior and exterior were completely restored. A new standing seam metal roof was added along with copper gutters and downspouts. Exterior masonry was cleaned and pointred. Floors were sanded and finished. Period lighting was installed both inside and out. A bath and laundry was added at the rear. All new electrical was added. The existing upstairs bath was completely rebuilt. A new kitchen was constructed. All windows were stripped, glazed, primed and painted. The front porch was completely rebuilt and a side porch was reconstructed from historic research. The project was awarded under budget and all add alternates were accepted.







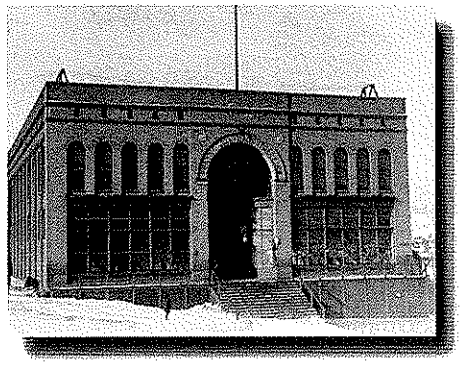


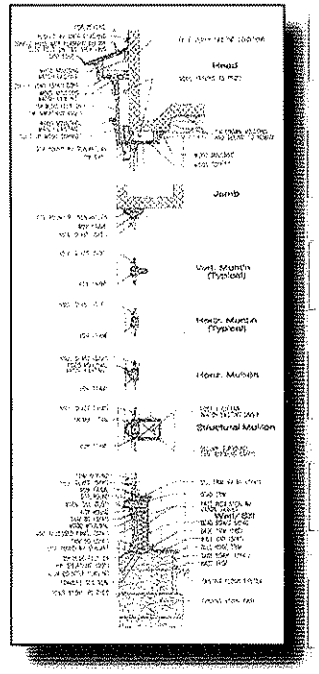
Buxton Landstreet
Storefront Restoration
Thomas, West Virginia
for
MountainMade
a division of
Vandalia Development

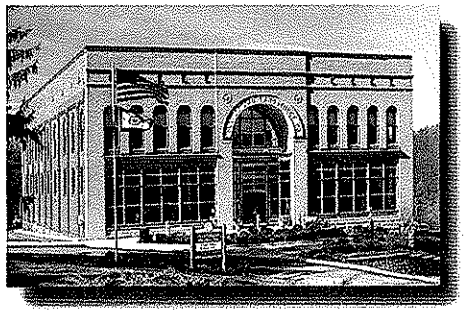
New exterior lighting
New front entry door
New Storefront
Historic Paint Scheme
Mortar joints repointed
Masonry Cleaning
Repair Roof Drainage

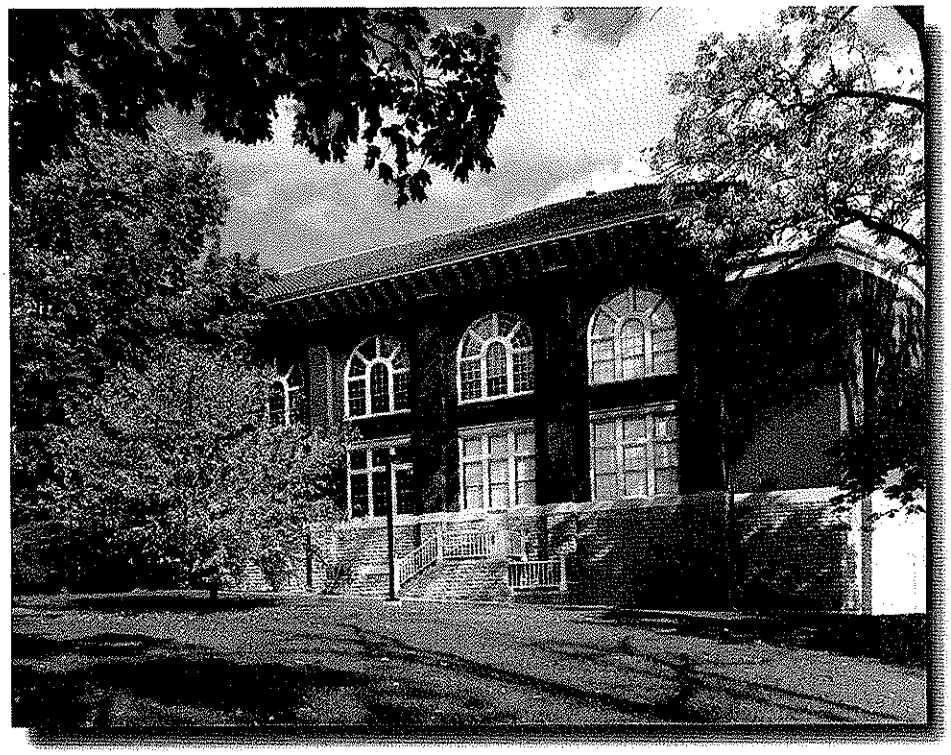
Vandalia Heritage Foundation
Fairmont, West Virginia
Contact: Michael Mills, AIA
Former Project Mgr.
304.296.1010

The Vandalia Heritage Foundation hired S·E·M to renovate the historic structure that housed the MountainMade Artisan Gallery in the Buxton Landstreet Building located in Thomas, West Virginia. The work scope included completely replacing the historic storefront with a new insulated glass storefront. The new storefront was designed to exactly replicate the original in every detail. Existing brick and stone masonry was cleaned and pointed. The building's details were then painted in a historic paint scheme to complete the restoration. Through the renovation of the Buxton Landstreet Building, S·E·M assisted Vandalia in creating attractive commercial real estate, rejuvenating this small-town community and preserving this architectural icon for future generations.









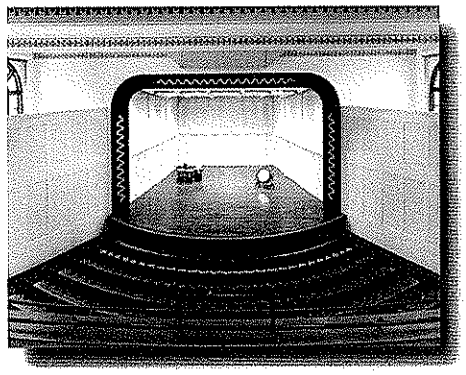
Miami University
Hall Auditorium
Oxford, OH

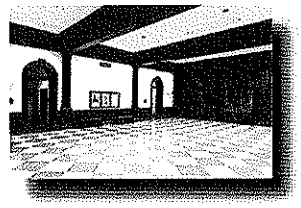
26,669 Addition
750 sest Auditorium

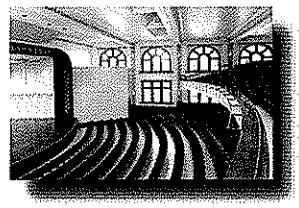
Miami University
Oxford, Ohio
Robert Keller,
University Architect,
513.529.7000

"I wish to say how pleased we are with the entire renovation project . . . S·E·M has helped restore the Hall far beyond its former glory . . "

Hayden B. May
Dean, School of Fine Arts

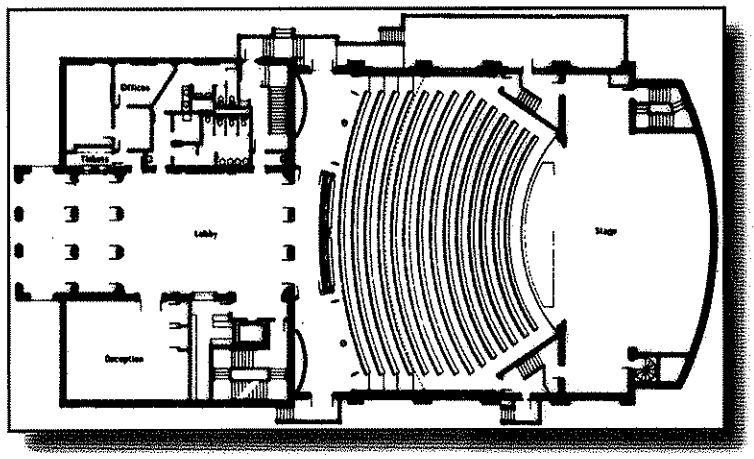


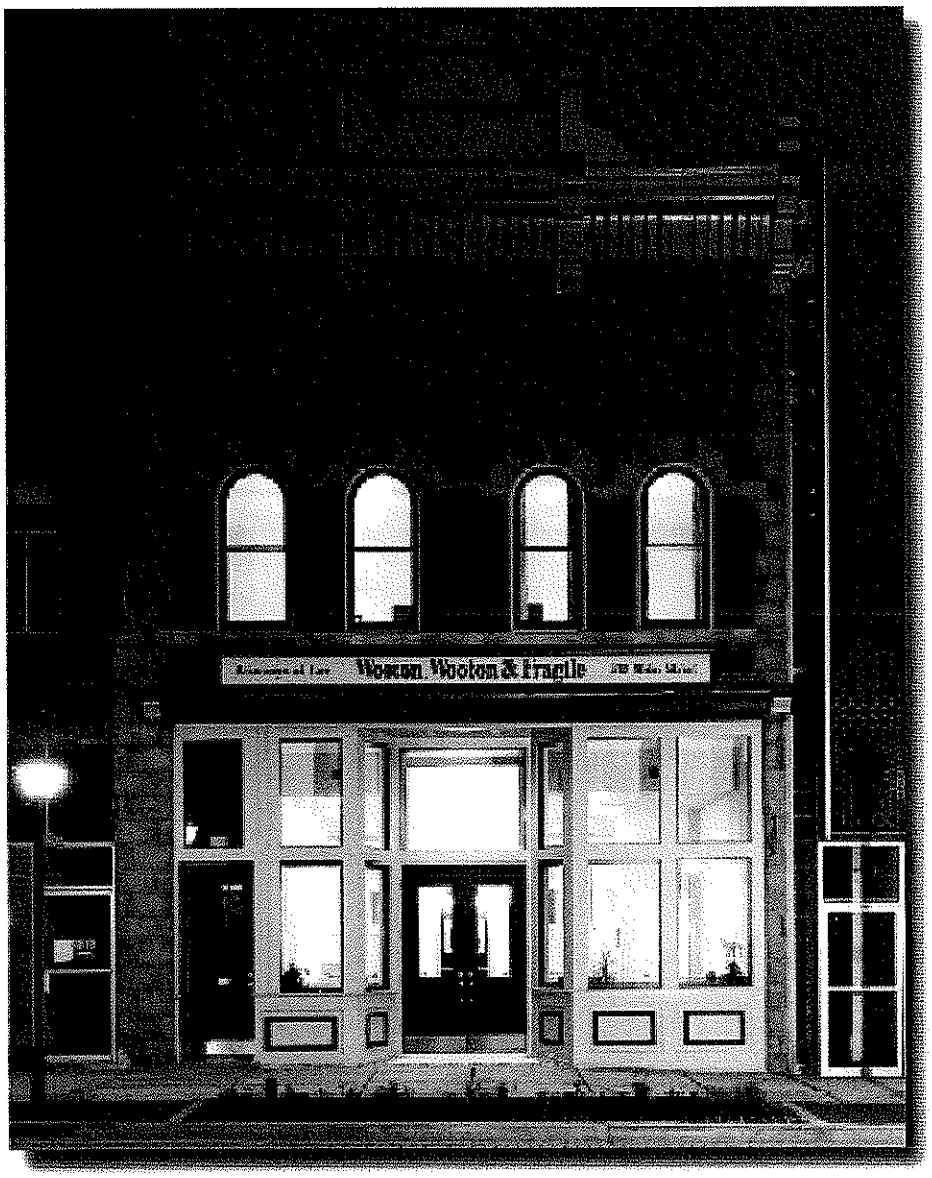




For several decades, Hall Auditorium has been the primary performance space for the University's School of Music, as well as the campus theater most frequently hosting guest artists for the University. The historic 1907 building lacked the stage area and technical amenities of a modern concert hall, yet its location, history, and architectural significance demanded its preservation. Working with the using departments and the Miami University Architect, SEM programmed and designed a sensitive conversion of this obsolete auditorium into a visually pristine 750-seat concert hall with state-of-the-art acoustics, lighting, and equipment.

The auditorium space was stripped to bare walls, a horseshoe balcony removed and new balcony constructed, and an addition was built to extend the stage to the rear. Windows were exposed and lightproof blinds added. An acoustic shell, new seating and finishes, and up-to-date sound equipment completed the auditorium conversion and restoration. Other interior spaces were restored, and the exterior was cleaned and repaired. The rebirth of this auditorium as a fine concert hall will ensure the building's role on campus well into the 21st century.





Wooton, Wooton, &
Fragile Law Offices
Beckley, WV

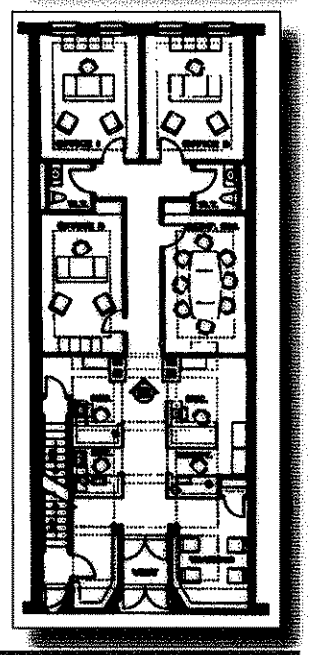
Merit Award

AIA - WV

Restoration modeled after original photographs
Exterior masonry cleaned and repointed
Interior gutted and redesigned to reflect the early 1900s

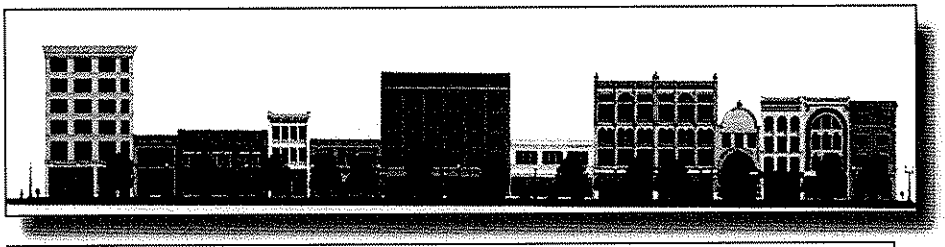
4500 SF
$160,000

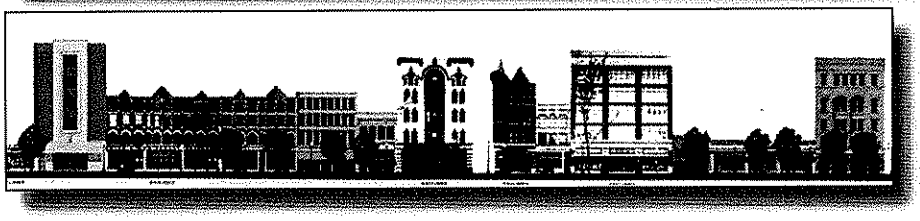
Pat Fragile
304.253.1000



The former Callaway Building located in downtown Beckley, West Virginia was one of the oldest buildings located within city limits. Although known historical data on the structure was minimal, photographs dating back to 1906 were used to help restore the face of the building to its original appearance. Chemical cleaners were used to remove dirt, soot, and other elements and all existing stone and brick masonry was repointed. Brick from behind the sign board area above the storefront was used as replacement brick, giving the upper portion of the building a brand new look.

Because the interior of the building no longer contained any historical elements, it was gutted and new law offices were designed to resemble the early 1900s according to the Owner's specifications. The tile work and the chair railing create a dividing line for paint accents, making this historic restoration one of beauty and function.

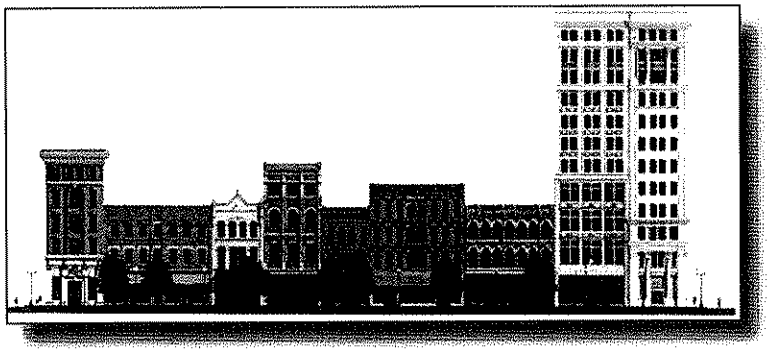


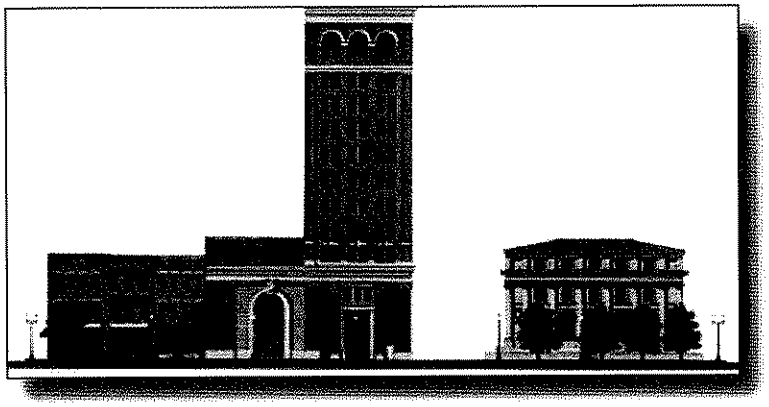


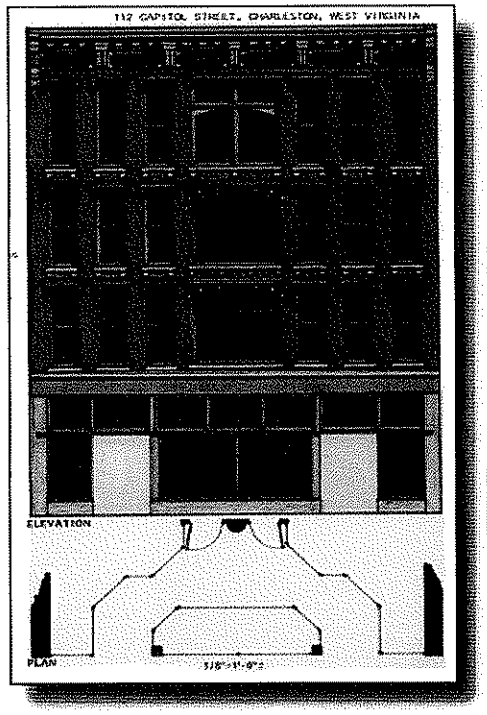
Facade Restoration
Study 1 and 2

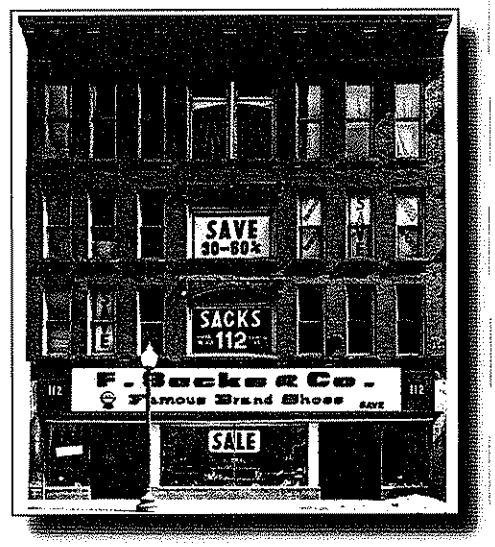
Charleston Urban
Renewal Authority
815 Quarrier Street
Suite 244
Charleston, WV 25301

Patrick H. Brown, III
Executive Director
304.348.6890





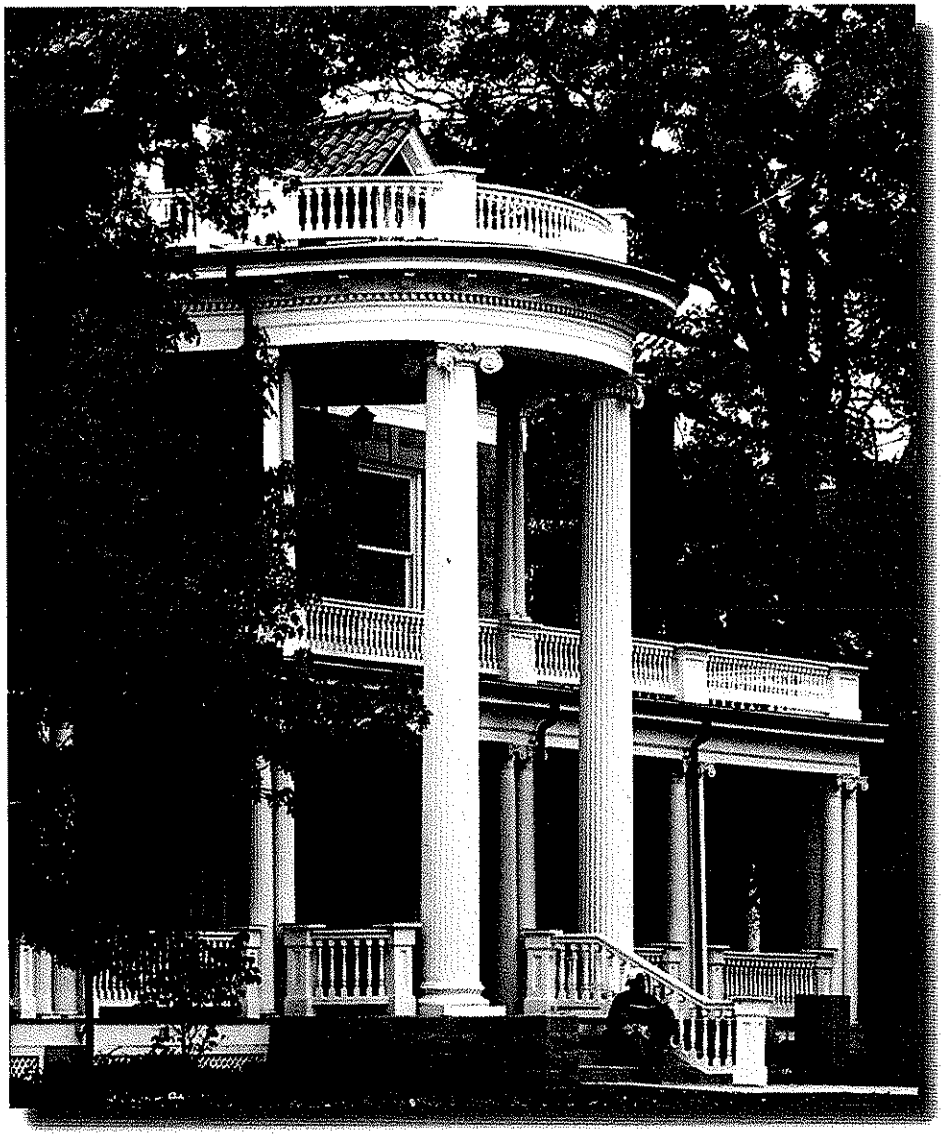




This Facade Restoration Study included 60 buildings (over 100 facades) in the Downtown Village District of Charleston, West Virginia. The project includes design studies of all facades with recommendations for exterior repair and replacement of architectural details, masonry, stone cleaning, and storefront restoration.

All facade designs were based on detailed research using historic photograghs. The example to the right shows the historic photograph (lower) and the restored facade above it. Facades were studied individually as well as a whole within that block's streetscape (the 4 images above left). Architects also provided estimated costs for facade improvements.

S·E·M was later awarded a second study which included an additional 15 buildings along both Capitol and Virginia Streets.



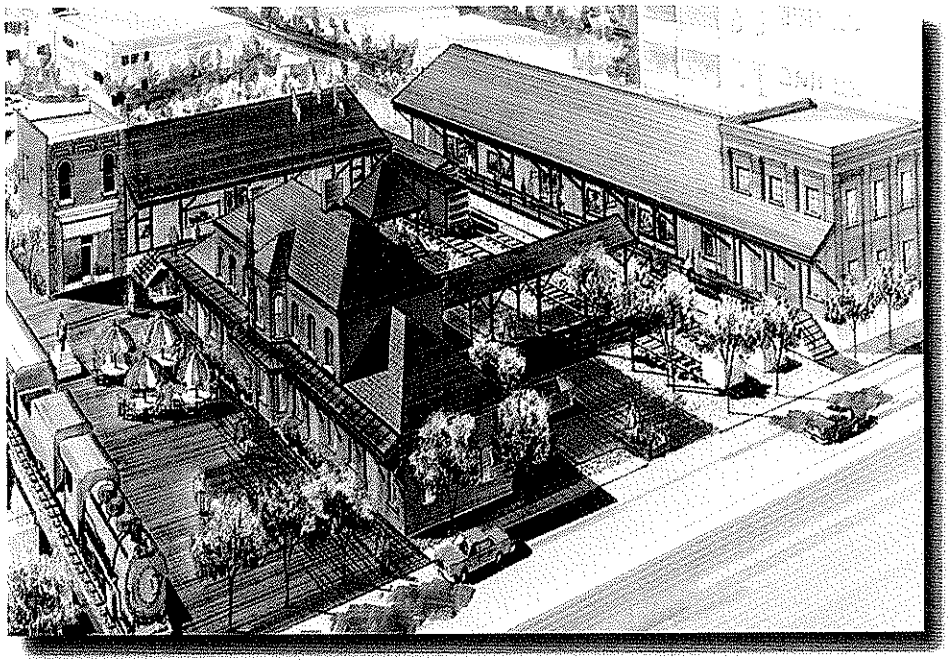
Purinton House
Restoration
West Virginia University
Morgantown, WV

Cleaned Stone Masonry
New wood porch floor, ballisters and ceiling
New copper gutters and downspouts
New wood columns
New ADA lift
New flat seam copper roof
New roof access hatch
Site, parking and drainage improvements
Exterior lighting improvements

West Virginia University
Morgantown, West Virginia
Contact: Nancy Moore
304.293.7773

Project Profile

The Purinton House project is an exterior restoration of a historic structure located on the Downtown Campus of West Virginia University. Project included stone masonry cleaning, tuck pointing and extensive wood detail and trim repair.
The building's extensive porches were rebuilt including part of the floor structure. The wooden porch floors were completely replaced and new replacement columns were installed. The porches' bead board ceilings were replaced and period lighting installed. A new set of exterior stairs was installed on the porches' north side.
Drainage improvements included site drainage as well as new copper gutters and downspouts. A new flat seam copper roof was installed over the porches along with replacement of the decorative ballisters. Missing tiles from the Spanish tile roof were identified and like for like replacements were installed.
Site improvements included the demolition of a non-contributing garage and new parking spaces provided in its place.
Handicapped accesss is provided by the addition of a new lift from grade to the porch level. The lift is discretely located under the covered side carport.
After the replacement of all deteriorated wood trim the entire structure was painted.
Purinton House is included on The National Register of Historic Places.

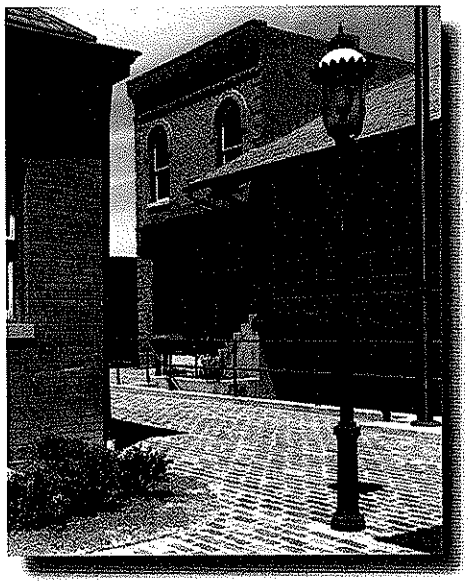


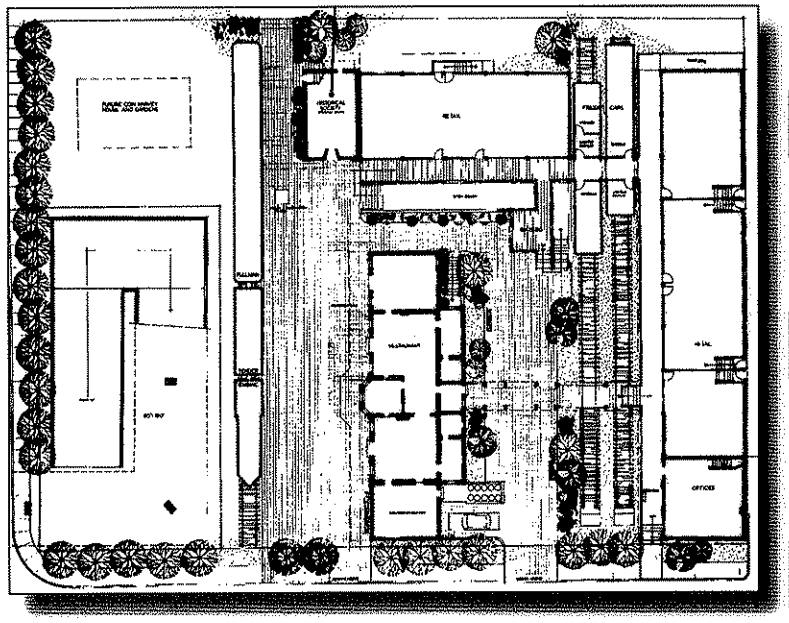
Heritage Village
Restoration
Huntington, WV

Honor Award
AIA - WV

Multi-level business complex, shops
New gazebo
Three structures listed on the National Register of Historic Places
Honor Award Winner

The Huntington Urban Renewal Authority selected S·E·M to preserve, restore and return to usefulness the abandoned, deteriorating, yet historically significant downtown area known as "Heritage Village." Integrating existing and relocated elements, a multi-level complex was formed to provide space for local businesses. Interesting site features include three (3) structures listed on the National Register of Historic Places: the Baltimore and Ohio Passenger Station, complete with steam locomotive, pullman, and freight cars, the Freight Office and Depot, and the Bank of Huntington (1875), best known for being robbed by the Jesse James Gang. Additional features include the bronze statue of Colus P. Huntington, the city's namesake, and a new gazebo which serves as the focal point for the entire complex. Recognized for their outstanding use of an urban site, S·E·M was the first ever firm to receive an Honor Award from AIA West Virginia.





Historic Buildings in West Virginia

Project Highlights

- **Award-winning historic building research**
- Familiarity with West Virginia State Historic Preservation Office and state inventory, evaluation, and historic context standards
- Experience with researching West Virginia historical archives
- Familiarity with a wide range of historic resources in West Virginia
- Extensive experience with historic building research and preparation of historical reports

Project Data

Cost/Size: $500,000.00 +/- total fees

Role: Historic Architect, Architectural Historian

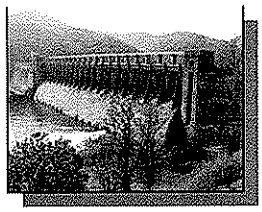
Reference:
Mr. Conrad Weiser
(412) 395-7220

Owner: U.S. Army Corps of Engineers, Pittsburgh District

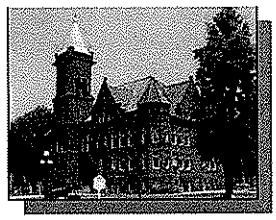
Completion: 1997-present

Since 1997, HDC has worked on historic buildings projects in West Virginia for the Corps of Engineers, primarily for the Pittsburgh District but also for the Huntington District. Projects include:

Civil Works Housing: HDC researched damtender housing in Ohio, Pennsylvania and West Virginia, constructed by the Corps from the 1870s through the 1970s. Prepared context report, individual inventory forms, and a style guide to the properties. Project received the Buchanan Award from the Vernacular Architecture Forum.

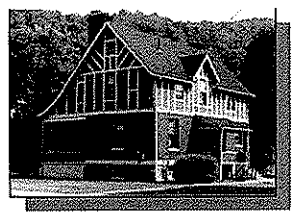


Bluestone Lake Dam: HDC completed a Historic American Engineering (HAER) documentation of the dam for the Huntington District. Work included comprehensive history, copies of historic construction documents, and black/white archival photography. HDC also completed color aerial photographs by helicopter.



Philippi and Belington: HDC inventoried hundreds of buildings in these two West Virginia towns in support of proposed flood control projects. Work included photographic documentation and completion of an inventory table identifying potentially historic buildings that may require further research in later phases of the project.

Monongahela River Documentation: HDC completed HAER documentation of multiple lock and dam structures along the Mon River, including several located in West Virginia. Work included detailed drawings, including three-dimensional explanatory isometrics, archival photographs, and extensive histories.



Ohio River Navigational Structures: HDC completed a survey of historic navigation structures along the 916-mile length of the Ohio River from Pittsburgh, Pennsylvania, to Cairo, Illinois. Work included buildings located at the Wheeling Lock and Dam site. Structures included locks, dams, damtender houses, power plants, and administration buildings.

Ohio State Reformatory
Mansfield, Ohio

Project Highlights

- Historic Building Assessment and Report
- Structural Analysis and Stabilization Plan
- Mechanical and Electrical Systems analysis and recommendations
- Identification of immediate Repair work needs and costs
- Change-of-Use plans
- Detailed Renovation Cost Estimates (by building wing)
- Code Review and ADA Access Issues addressed
- Historic Finish Upgrades, and Maintenance Recommendations
- All work in accordance with the Secretary of Interior's Standards for Rehabilitation

Project Data

Cost/Size: $30,000.00 (Report fee)/ 500,000 s.f.

Role: Architect

Reference:
Mr. Ron Scheurer
(419) 522-2644

Owner: City of Mansfield

Completion: 1998

HDC was contracted to develop a restoration master plan to stabilize and restore this historic Reformatory that was constructed in 1896. The Reformatory required extensive architectural and engineering analyses, including in-depth code research.

HDC provided a building condition assessment, architectural evaluation, documentation and a stabilization strategy, with subsequent plans to renovate the facility as a conference center. The building assessment indicated that several issues had to be addressed immediately, including masonry repairs and roof replacements.

The completed restoration Master Plan included the installation of new mechanical and electrical systems, the repair of floor and wall finishes throughout, and the cleaning of original marble finishes in lobbies and stairways. Detailed cost estimates were developed that broke the large facility down into more manageable wings, which could be renovated in phases.

The Mansfield Reformatory

Woodward Opera House
Mount Vernon, Ohio

Project Highlights

- Historic renovation project including a 1850s Theatre, retail bays, and office space
- New construction addition to support the Theatre, features natural light and concrete/steel construction
- Integration of multiple program functions with separate entries and circulations: retail, theatre, and offices
- Incorporation of sustainable design principles, including use of geothermal wells and photo-voltaic on the expansive roof
- Specialized HVAC systems to handle theatre needs
- Resolution of complex alley elevation program featuring restaurant service, theatre services, and alley public entrance
- Coordination of construction staging to minimize inconvenience to other owners and users on the block

Project Data

Cost/Size: $7,800,000.00 / 64,000 s.f.

Role: Architect

Reference:
Mr. Pat Crow
(740) 392-6102

Owner: Woodward Development Corporation

Completion: 2006-2007

This project involved the renovation of a prominent downtown mixed-use building and the design and construction of a new addition to support the original Woodward Opera House, an 1850s theatre. Project challenges include the integration of the restoration of the theatre building with the adaptive reuse of the adjacent building. The new addition will be provided to accommodate backstage theatre support spaces including dressing rooms, restrooms and loading. Separate entries are being provided for retail, office, theatre audience, and theatre support personnel. The project is divided into multiple phases to accommodate funding restrictions. Construction staging issues include working around an occupied facility and coordination of construction access/staging and storage on an urban site without inconveniencing adjacent shop owners and their customers.

View of northeast corner of the Woodward Opera House

HARDLINES DESIGN COMPANY

PROJECT EXPERIENCE

Baker Hall Exterior Improvements
The Ohio State University, Columbus, Ohio

Project Highlights

- Exterior assessment, evaluation and cost estimates
- Construction documents, bidding, and construction administration
- Remediation of moisture penetration problems and associated exterior and interior wall damage
- Roof repair including new flashings, copings, and parapet capstones
- Custom mortar mixes developed to ensure physical compatibility as well as a match in color and texture
- Building review and recommendations for other similar problems on Campus
- Phased project involving immediate emergency repairs and a long-term capital improvement plan

Project Data

Cost/Size: $250,000

Role: Prime

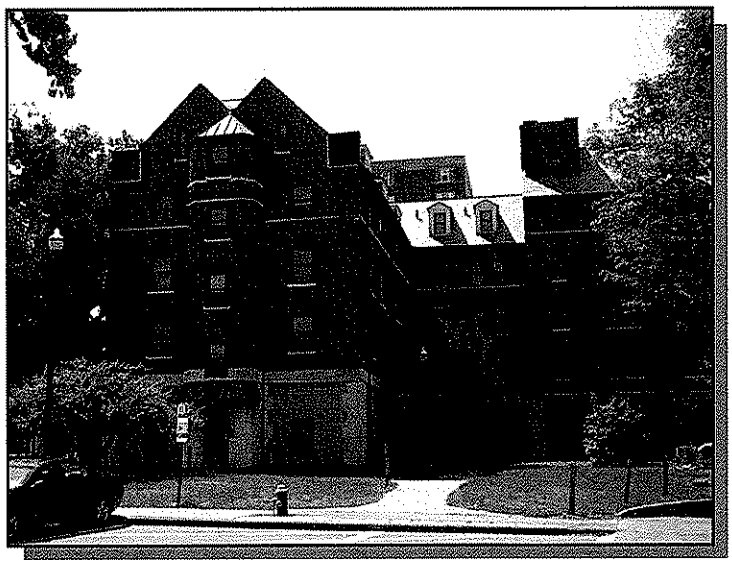
Reference:
Mr. Tom Sale
614-247-7372

Owner: The Ohio State University

Completion: 2006

Baker Hall is a student dormitory (originally known as the Men's Dormitory) that is approximately 72 years old. It has had one (1) addition and numerous renovations since its construction. HDC completed a visual and investigative analysis and assessment of the exterior barrier envelope of Baker Hall.

The purpose of the assessment was to identify deficiencies causing moisture infiltration in the masonry exterior walls and associated roof assemblies, and then provide corrective recommendations with cost estimates for phased and prioritized construction. The investigation included drawing review and field inspections (including some destructive testing).



Baker Hall

HARDLINES DESIGN COMPANY

PROJECT EXPERIENCE

Renovation of Pmerene Hall
Columbus, Ohio

Project Highlights

- Programming to determine number of offices and size of rooms needed
- Worked with Client to prioritize spaces to fit restricted space and budget
- Delivered design on a compressed schedule by combining schematic design with design development documents
- Successful design that preserved and incorporated most of the arched openings and brick walls
- Specified furniture systems for lab, offices, testing rooms, and student lounge

Project Data

Cost/Size: $532,782.00 / 4,500 s.f.

Role: Architect

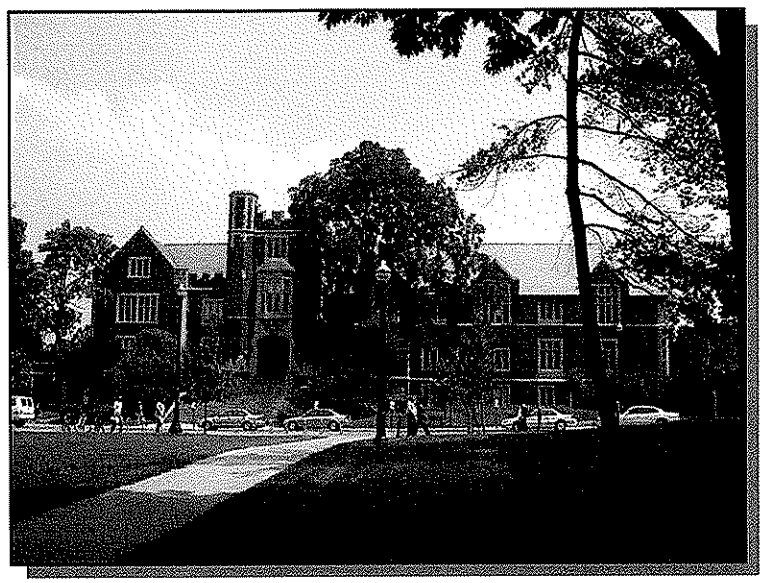
Reference:
Mr. Sean O'Briant
(614) 292-3307

Owner: The Ohio State University

Completion: 2002

HDC renovated the lower level of a portion of Pomerene Hall into a computer laboratory for OSU's Office of Disability Services. The original space was a former locker room, and consisted of glazed brick walls with arched openings. HDC renovated approximately 4,500 s.f. to contain private offices, reception area, testing rooms, conference room, computer lab, restrooms and a student lounge.

This project was bid at $374.00 under the estimate, and utilized less than 4% of the set aside contingency budget. OSU was able to return funds to one of the departments as a result of HDC's project planning and construction management.



Pomerene Hall

HARDLINES DESIGN COMPANY

PROJECT EXPERIENCE

Assessment of South Dorm
Columbus, Ohio

Project Highlights

- Assessment for the adaptive reuse of a historic building
- Completed structural and architectural assessment of the building
- Intensive site investigations
- Thorough Code Analysis including ADA accessibility, Life Safety, and Building Code requirements
- Coordinated with representatives of multiple future tenants to assess anticipated needs
- Prepared Program of Requirements that integrated the common needs of all user groups
- Prepared a budgetary estimate for final design and construction based on identified assessment needs
- Produced a final report combining the complete facilities assessment reports with photographs, proposed layouts, and final estimate

Project Data

Cost/Size: $50,000 (Report Fee) / 24,600 s.f.

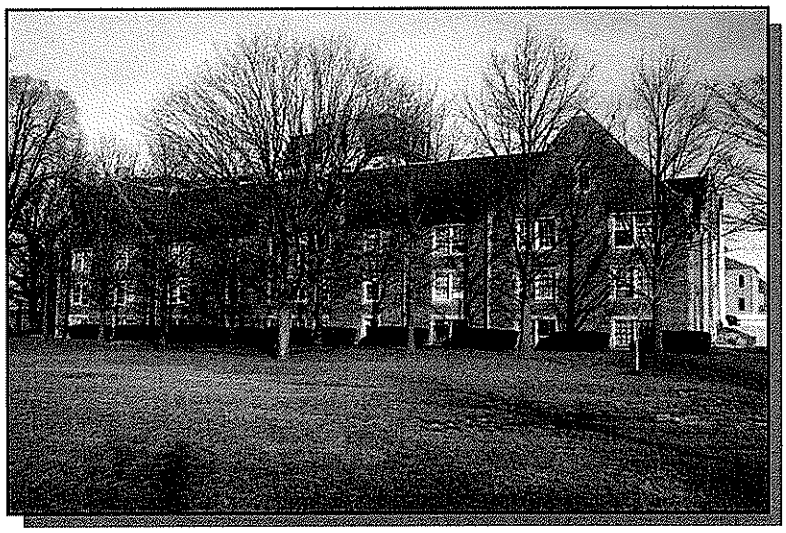
Role: Architect

Reference:
Mr. John Hanson
614-645-4822

Owner: City of Columbus, Department of Health

Completion: 2007

HDC provided A-E Services for the building assessment and conceptual design work for the complete renovation of the historic South Dorm building. Programming and design work was completed to transform this 1930s structure into a modern office space housing three separate divisions of the Public Health Department. In the first phase of this project HDC completed the architectural assessment report and was involved in the assessments of mechanical, electrical and structural systems. As part of the programming phase of the project HDC met with representative of the city and future tenants from the Emergency Preparedness and Women, Infants and Children offices to access their needs. Conceptual design layouts were produced and reviewed by the client. In the final phase of the project HDC prepared an estimate of final design and construction costs for the client. The results of all three phases of the project were combined in a final report. HDC is expected to continue with construction documents in the Fall of 2007.



View of South Dorm from East Main Street

REPRESENTATIVE CLIENTS AND PROJECTS

The State of West Virginia

The New Consolidated Department of Environmental Protection Office Building, Charleston, WV
Office of Chief Medical Examiner-Renovations to Offices and Laboratories
West Virginia Army National Guard-
- New Eleanor Readiness Center
- New Eleanor Maintenance Center
- New Summersville Readiness Center
- New Lewisburg Readiness Center

HVAC Renovations to the Tax Building #22
HVAC Renovations to the Senate Chambers at the Capitol Complex
Tamarack-MEP Design of Original Facility and the Caperton Conference Center
State Lottery Office, Fairmont, WV
Renovations to the Holly Grove Facility

The City of Charleston

Charleston Municipal Auditorium-Stage Lighting
Charleston Civic Center-MEP Renovations to The Grand Hall, Little Theatre, Main Lobby and Coliseum
Kanawha Boulevard Lighting
Charleston Convention Bureau

Kanawha County

Kanawha County Courthouse-
- Exterior Lighting
- Toilet Renovations
- MEP Renovations to Main Courthouse
- MEP Renovations to Judicial Annex
- MEP Renovations to Law Masters Offices
- Renovations to Parking Garage

Historical Renovations

Doddridge County Courthouse, West Union
Marion County Courthouse, Fairmont
Kimball War Memorial, Kimball
Putnam County Courthouse
Davis Memorial Presbyterian Church, Elkins
Holt House
Itmann Company Store, Itmann
Stump Hotel
Goff Building, Clarksburg
C & O Building, Huntington
Claggett House, Wardensville

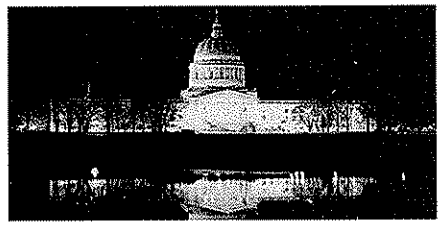
CMA ENGINEERING

Project Profiles

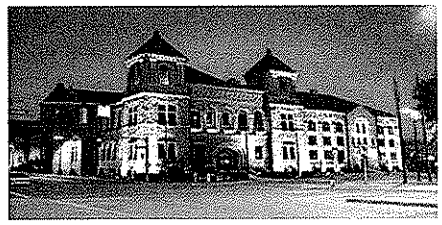
Renovations/Upgrades Historical

Design of mechanical, electrical, plumbing, fire protection and communication systems

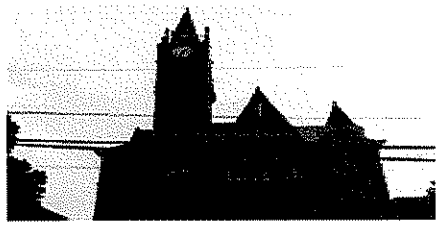
West Virginia State Capitol
CMA is currently providing mechanical, electrical and plumbing design services for the renovations/upgrades to the HVAC systems serving the House and Senate Chambers and Offices (approximately 117,326sf).



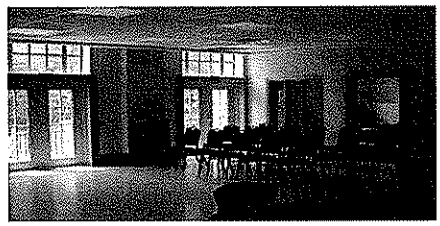
Kanawha County Courthouse
CMA has provided mechanical, electrical and plumbing engineering design services for Kanawha County since 1983. Projects include MEP renovations to main courthouse, toilet renovations, parking garage, MEP renovations to the judicial annex, renovations to the Law Master offices, and design of exterior lighting.



Doddridge County Courthouse
CMA provided design services for the upgrades of the mechanical, electrical, plumbing, fire sprinkler /fire alarm and communication systems for the second and third floors of the facility.



Kimball War Memorial, Kimball, WV
CMA Engineering provided mechanical, electrical and plumbing design services for the restoration of the historic memorial which was destroyed by fire in **1991.**



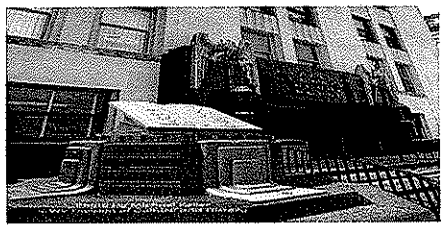
Putnam County Courthouse
CMA has provided mechanical, electrical and plumbing design services for the new courthouse facility including design of the 911 center. CMA also provided mechanical, electrical and plumbing design services for renovations to the old courthouse including ADA modifications.

CMA
ENGINEERING

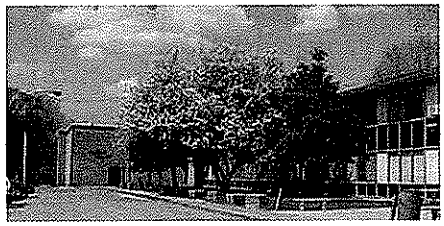
Project Profiles

Elevators

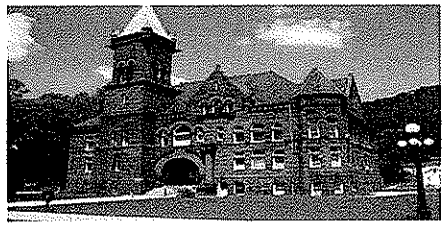
Harrison County Courthouse
CMA provided mechanical, electrical and plumbing design services for the replacement of two manually operated elevators with two new automatic elevators. . controls and operators for automatic passenger control.



McKinley Middle School, St. Albans, WV
CMA provided mechanical and electrical design services for the installation of a new elevator and associated electrical and mechanical upgrades.



Barbour County Courthouse
CMA provided mechanical, electrical and plumbing design services for the installation of a new elevator and associated electrical, mechanical and fire alarm system renovations/upgrades.



South Charleston Middle School, South Charleston
CMA provided mechanical and electrical design services for the installation of a new elevator and associated electrical and mechanical renovations.

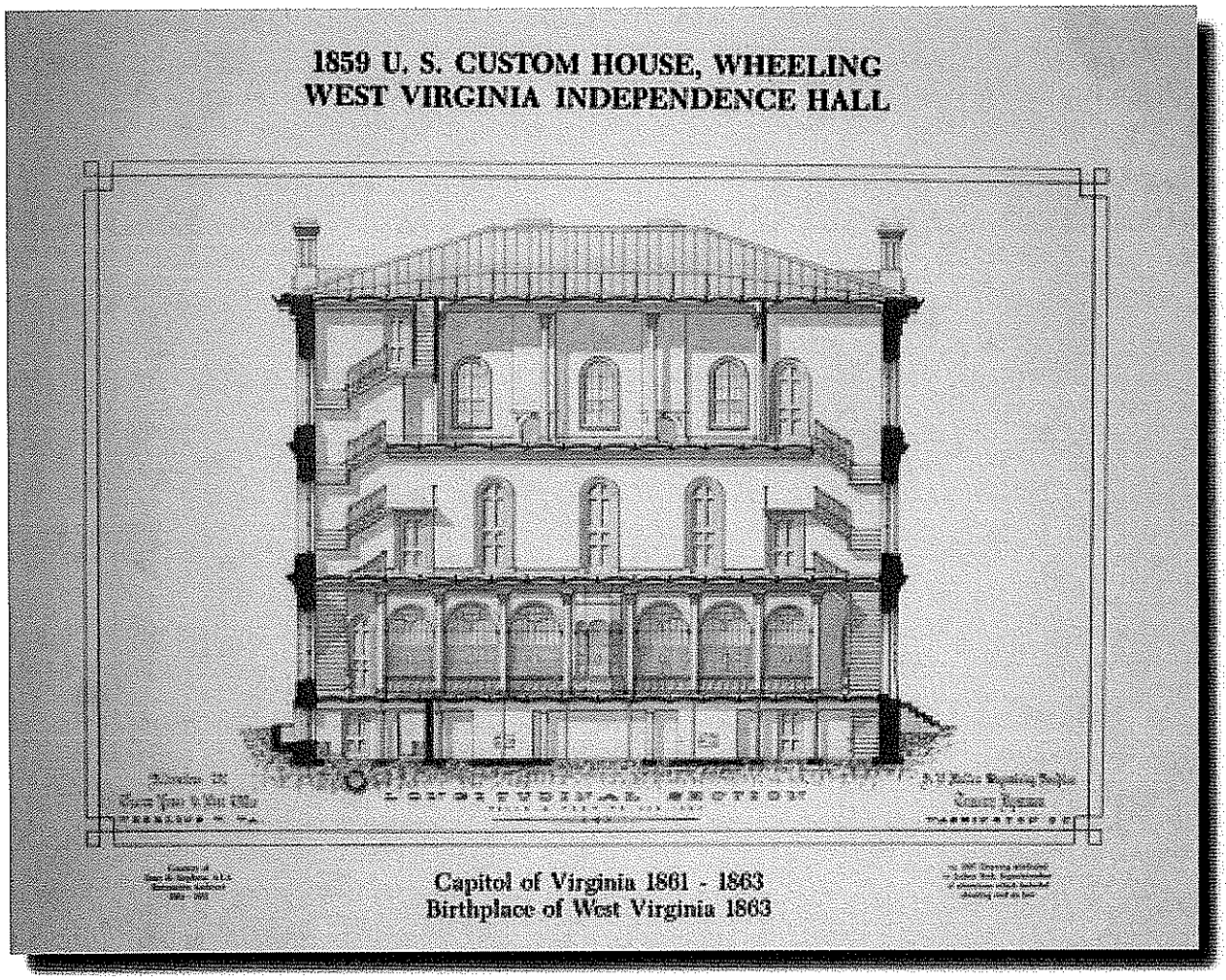
Webster County Courthouse, Webster Springs, WV
CMA provided mechanical and electrical design services for the installation of a new elevator and associated electrical and mechanical renovations.

CMA ENGINEERING

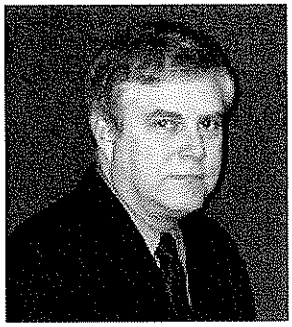
Project Staff

S·E·M Professional Design Service Staff will include the following personnel, whose resumes follow in this section:

Partner-in-Charge	J. Blair Frier, AIA
Project Manager	Principal-in-Charge; SEM
Construction Administrator	Robert C. Cushman, AIA Principal in Charge of Construction Administration, SEM
Hardlines Design Company	Historic Research, Cost Estimating
CMA Engineering	Mechanical / Electrical / Plumbing / Fire Protection /



Champion Middle School
Columbus Public Schools



J. Blair Frier, AIA
Principal
S·E·M Architects

Bachelor of Architecture
1976/Virginia Tech

Professional Registration
1984/West Virginia

Professional Associations:
American Institute of Architects
Committee on Practice

Architects Society of Ohio

Former President,
West Virginia Society of Architects

Chair: Historic Resources Commission,
City of Columbus

Awards (as Designer)
AIA West Virginia:
Stewart Hall Restoration
Clagett Home Restoration
Wooton Wooton Fragile Restoration
AIA West Va. Craftsmanship:
Stewart Hall: Iron Lights and Gates
Awards (as Principal)
Canyon Rim Visitor Center
Roane County High School

Mr. Frier has acted as Project Architect and Manager on numerous restoration projects since he joined the firm in 1980. Restoration projects include Stewart Hall, Purinton House and Restoration of The Hezekiah Clagett Home Place (Reymann Memorial Farm) for West Virginia University. Both Stewart Hall and Clagett Home Place were fortunate in winning AIA West Virginia Design Awards. He also worked on restoration projects at Miami University (Ohio), Davis and Elkins College, for The City of Charleston, West Virginia, The City of Beckley, West Virginia, The Town of Parsons, West Virginia, and for several private clients. He also has extensive experience in cost estimating and developing preservation project programs, schedules and budgets.

Mr. Frier serves as S·E·M 's historic preservation specialist. He also has extensive experience with historic storefront repair and restoration. Projects he recently completed include store front restoration at the historic Buxton Landstreet Building in Thomas, West Virginia as well as a Storefront / Facade Repair Study for the Historic District of the City of Charleston, West Virginia. The Charleston project included included over 60 builgings and 100 facades.

The Renovation of the Callaway Building for Wooton, Wooton, and Fragile Attorneys for which Frier served as Principal In Charge, also won an AIA West Virginia Honor Award. Duties included developing the restoration guidelines, storefront and facade restoration, negotiating with the contractor to establish the construction contract, and construction administration services.

Blair served as Co-Principal in Charge with Charissa Wand Durst, AIA of Hardlines Design Company on a $10 million dollar restoration of the Historic Crestview Middle School (1915) in Columbus, Ohio. He is serving in a similar capacity on the restoration of Southwood Elementary (1896). 11 schools in Columbus were designated as historic and selected for restoration and continued use. S·E·M is the only firm in Columbus to be awarded 2 projects from the group.

Mr. Frier also completed work on the Fayette County, West Virginia Courthouse. The project included brick and stone masonry cleaning, gutter and downspout replacement, exterior window insulation/restoration and extensive work to the three sets of exterior steps. Other work included a major electrical upgrade to the building, interior and exterior painting and completing an accessible entrance to the building. This project was completed for a former employer.

Mr. Frier has served as President of the West Virginia Society of Architects and served on the Raleigh County Historic Landmarks Commission, Beckley Historic Landmarks Commission, and also as a Board Member of Theater West Virginia. He served on the Design Committe of Beckley and was awarded "Main Street West Virginia Board Member of the Year in 1998. He is also a member of the The National Trust for Historic Preservation and has considerable experience working with SHPO. He currently serves as the Chairman of the Historic Resources Commission of the City of Columbus.

Robert C. Cushman, AIA
Principal
Construction
Administration

S·E·M Architects

Bachelor of Science
in Architecture
1972/The Ohio
State University

Associate of
Construction Technology
1977/Hudson
Valley
Technical College

Professional Registrations:
1977/Ohio
1979/NCARB

Architects Society of
Ohio

Mr. Cushman has over 28 years of experience in a wide range of project types and responsibilities. Cushman's primary responsibility for S·E·M is the direction of all Construction Administration. His ability to make sound decisions and keep detailed written reports keeps Contractors continually working without delay. His weekly and semi-monthly construction meetings resolve Contractors' differences and assure that the project will have the attention to detail it deserves and continue toward completion in a timely manner.

Hall Auditorium Restoration
Miami University
Oxford, Ohio

Granville Middle School Renovations
Granville ES Additions and
Renovations
Granville Permanent Improvements

Worthington City Schools
Worthington, Ohio
New ES: Slate Hill, Bluffsview,
Worthington Park Granby, Sutter Park
Additions & Renovations: McCord
Middle School; Worthington Estates,
Worthington Hill, Wilson Hill ES,
Brookside ES, Colonial Hills ES,
Evening Street ES, Perry Middle
School Addition

Hancock County Schools
New Cumberland, West Virginia
Additions & Remodeling: Chester
Junior High
Wells Junior High, New Cumberland
ES, Broadview ES, Jefferson ES,
Cove ES, Oak Glen Junior High,
Marland Heights ES, Weirton Heights
ES, Oak Glen Senior High, Weir High
School, Chester ES, Dunbar Special
School

Fairfield Local Schools
Leesburg, Ohio OSFC
New 936-strucent K-12 Facility

Monongalia County Schools
Morgantown, West Virginia
Additions & Renovations: Suncrest
ES,
Brookhaven ES, New Westover MS;
Miscellaneous Renovation Work

Newcomerstown Exempted Village
Schools
Newcomerstown, Ohio OSFC
Renovations & Additions: Elementary,
Middle, and High School

Vanguard Joint Vocational Schools
Fremont, Ohio
Vanguard Marine Maintenance,
Carpentry Shop Addition; New
Vocational Center

River Valley Local Schools
Marion, Ohio OSFC
A new elementary school
Northwestern Local Schools
Springfield, Ohio
Northwestern Elementary Additions
and Renovations

Historic Southwood Elementary
Columbus, Ohio
Renovation of the Existing Building
and a new Major Addition to this
Historic Facility

Hall Auditorium Restoration
Oxford, Ohio
left

Historic
Southwood Elementary
Restoration
Columbus, Ohio

HARDLINES DESIGN COMPANY

Charissa W. Durst, AIA, LEED®
President / Project Manager

Project Responsibility

Historic Architect

Education

Master of Architecture, 1990, The Ohio State University

B.S., Architecture 1988, University of Maryland

Work History

Years with HDC: 18

Prior Experience: 4

Registration

Registered Architect, Ohio (1996); Indiana (2006)

National Council of Architectural Registration Boards (NCARB), 2003

Leadership in Energy & Environmental Design (LEED®), 2002

CRM Qualifications

Architect

Historic Architect

Architectural Historian

Preservation Planner

Professional Affiliations

American Institute of Architects

Society of American Military Engineers

Ohio Governor's Residence Advisory Commission

Columbus Landmarks Foundation

German Village Commission

U.S. Green Building Council

Relevant Project Experience

Ms. Durst, President of Hardlines Design Company, established the firm in 1990. She has a total of 21 years of professional experience in the fields of architectural history and historic architecture. Her project experience ranges from historic inventory/evaluation to the complete restoration of historic buildings with additions.

Selected Projects

- *Woodward Opera House, Mount Vernon, OH.* $7.5 million renovation of a 1850s National Register listed, mixed-use building that includes the renovation of one of the oldest theatres in the United States. Multi-use program includes first floor retail and restaurants, leased offices, and the two-story theatre. Work includes restoration of the historic theatre building, adaptive reuse of the adjacent facility, and design of a new addition to house theatre support functions, including dressing and restroom facilities.
- *Lincoln Theatre Study and Renovation, Columbus, OH.* A projected $6 million study and renovation project to convert a 1920s downtown theatre into a state-of-the-art facility that can serve as a multi-purpose performance center and recording studio. Project involved complete documentation of the existing facility, design for the renovated house, public restroom accommodations, backstage renovations, and a two-story lobby addition.
- *Davis-Shai Community Center, Heath, OH.* Completion of a historic structures report and subsequent architectural rehabilitation of a 6,000-square-foot building. Ms. Durst led the design team in implementing the report's recommendations into construction drawings that addressed deficiencies and renovated a historic 1860s brick home into a contemporary Community Center. The project included a new two-story addition that contains public restrooms, elevator, and conference / meeting rooms.
- *Assessment of the South Dorm, Columbus, OH.* Project Architect for a feasibility study to renovate the historic South Dorm into offices for the City of Columbus Department of Public Health. Work includes description of existing conditions, work recommendations, concept design, furniture layout, and cost estimates.
- *Baltimore & Ohio Railroad Depot, Mount Vernon, OH.* Adaptive reuse of a historic railroad station into a facility to house conferences, offices, and a railroad museum. Work involved new HVAC, electrical, plumbing, and fire alarm systems, new restrooms, ADA upgrades, structural reinforcement, and coordination for historic building variances.
- *Renovation of Stillman Hall, The Ohio State University, Columbus, OH.* Renovation of the fourth-floor of this significant campus structure into executive offices and meeting rooms for the John Glenn Institute for Public Service and Public Policy. Program included private offices, open workstation area, reception lobby, kitchenette, showcase conference room, and work areas.
- *Video Conferencing Center, Wright-Patterson Air Force Base, OH.* Renovation of unused space in a National Register listed Building into a state-of-the-art Conference Center. Project included furnishings and interior design as well as construction and bid documents. Interior work included selection of wall coverings, carpets, lighting and display cabinet design as well as finishes for a complete restroom upgrade. Project won interior design citation awards from both Air Force Materiel Command and the U.S. Air Force.

HARDLINES DESIGN COMPANY

William G. Faciane, AAIA
Construction Specialist / Estimator

Project Responsibility

Existing Conditions Assessment, Construction Specialist, Document Coordination, Estimating

Education

2000-Present – Coursework to complete B.S. in Structural Engineering, The Ohio State University

1983 – Certificate in Commercial Building HVAC

1977 – Diploma in Heavy Construction and Residential Construction

1974-1977 - Coursework for B.S. in Architectural Engineering, Virginia Polytechnic Institute

1973 - U.S. Navy Seabee Construction "A" School, Gulfport, Mississippi.

Work History

Years with HDC: 10

Prior Experience: 24

Professional Affiliations

American Institute of Architects

Society of American Military Engineers

American Society of Civil Engineers

Construction Specifications Institute

Relevant Project Experience

Mr. Faciane is an Architectural Engineer and Facilities Planner with 34 years of experience in the construction industry as a commercial contractor, an owner's representative, and as a project planner / administrator. He has prepared specifications, cost estimates, and done document coordination for HDC projects nationwide. As the Senior Facilities Planner for the City of Hampton, Virginia, Mr. Faciane conducted building audits of and wrote reports for city buildings ranging from modern to masonry structures built in the seventeenth century.

Selected Projects

- *Baltimore & Ohio Railroad Depot, Mount Vernon, OH.* **Adaptive reuse of a historic railroad station into a facility to house conferences, offices, and a railroad museum.** Work involved new HVAC, electrical, plumbing, and fire alarm systems, new restrooms, ADA upgrades, structural reinforcement, and coordination for historic building variances.
- *OSU Baker Hall Exterior Rehabilitation, Columbus, OH.* Managed project to **solve on-going moisture penetration problems** with a historic masonry bearing wall high-rise dormitory. As a certified lift operator, completed non-destructive exploratory demolition and in-depth inspection of problem roof and wall areas. Project will be used as model to solve similar problems at other historic high-rise facilities.
- *OSU Faculty Club Window Replacement, Columbus, OH.* Managed project to **replace historic steel window units** with new ones. Completed cost-benefit analysis of repairing existing units, using new aluminum units, and using new steel units. Coordinated construction around building activities and tenants. Also prepared assessment of exterior masonry needs.
- *Woodward Opera House, Mount Vernon, OH.* **$7.5 million renovation of a 1850s National Register listed, mixed-use building** that includes the renovation of one of the oldest theatres in the United States. Multi-use program includes first floor retail and restaurants, leased offices, and the two-story theatre. Work includes restoration of the historic theatre within the building, adaptive reuse of the adjacent facility, and design of a new addition to house theatre support functions, including dressing and restroom facilities.
- *Davis-Shai Community Center, Heath, OH.* Completion of a historic structures report and subsequent architectural rehabilitation of a 6,000-square-foot building. Worked on implementing the report's recommendations into construction drawings that addressed deficiencies and **renovated a historic 1860s brick home into a contemporary Community Center**. The project included a new two-story addition that contains public restrooms, elevator, and meeting rooms.
- *The Hampton Circuit Courthouse, Hampton, VA.* **Interior and exterior renovation of a historic Courthouse building**, where the original structure was a historic Town Hall building dating back to the early 1600's. Today the building includes both a Town Hall and a Court building, housing four circuit court functions and clerks. Interior renovations included converting 3,400 square feet vacated by the City Treasurer into additional circuit court space.
- *Highland Elementary School Roof, Columbus, OH.* Manager project to replace roof of **historic 1890s masonry school** for Columbus Public Schools. Work included detailed assessment of roof and masonry wall conditions, preparation of three-dimensional details, and construction administration.

HARDLINES DESIGN COMPANY

Vivian C. Majtenyi, AAIA
Architectural Designer

Project Responsibility
Design and Production

Education
Master of Architecture, 1998, The University of Virginia, Charlottesville

Bachelor of Fine Arts, 1995, Cum Laude, The University of Georgia, Athens

Work History
Years with HDC: 8

Prior Experience: 2

Professional Affiliations
American Institute of Architects

Relevant Project Experience

In addition to architectural experience, Ms. Majtenyi also has seven years of experience in graphic design and computer programming. She brings to the firm her ability to create 2D and 3D computer models and an extensive background in fine art for renderings and presentations. Ms. Majtenyi is proficient in AutoCAD and Microstation as well as Adobe PageMaker and Photoshop. Her experience includes measuring and preparing as-built drawings of historic buildings, HABS/HAER documentation, product research, and preparation of design details.

Selected Projects

- *Woodward Opera House, Mount Vernon, OH.* **$8 million renovation of a 1850s National Register listed, mixed-use building** that includes the renovation of one of the oldest theatres in the United States. Multi-use program includes first floor retail and restaurants, leased offices, and the two-story theatre. Work includes restoration of the historic theatre building, adaptive reuse of the adjacent facility, and design of a new addition to house theatre support functions, including dressing and restroom facilities.
- *Lincoln Theatre Study, Columbus, OH.* A projected $8 million renovation study and renovation **project to convert a 1920s downtown theatre into a state-of-the-art facility that can serve as a multi-purpose performance center** and recording studio. Project involved complete documentation of the existing facility, design for the renovated house, public restroom accommodations, backstage renovations, and a two-story lobby addition.
- *Baltimore & Ohio Railroad Depot, Mount Vernon, OH.* **Adaptive reuse of a historic railroad station into a facility to house conferences, offices, and a railroad museum.** Work involved new HVAC, electrical, plumbing, and fire alarm systems, new restrooms, ADA upgrades, structural reinforcement, and coordination for historic building variances.
- *Davis-Shai Center, Heath, OH.* Completion of a historic structures report and subsequent architectural rehabilitation of a 6,000-square-foot building. Worked on implementing the report's recommendations into construction drawings that addressed deficiencies **and renovated a historic 1860s brick home into a contemporary Community Center.** The project included a new two-story addition that contains public restrooms, elevator, and meeting rooms.
- *OSU Pomerene Hall, Columbus, OH.* **Renovation of a lower level locker room into a computer lab, offices, classroom, testing rooms restrooms and student lounge space** for the Office of Disability Services. Work was located in historic campus building overlooking Mirror Lake.
- *Video Conferencing Center, Wright-Patterson Air Force Base, OH.* **Renovation of unused space in a National Register listed Building into a state-of-the-art Conference Center.** Project included furnishings and interior design as well as construction and bid documents. Interior work included selection of wall coverings, carpets, lighting and display cabinet design as well as finishes for a complete restroom upgrade. Project won design citation awards from both Air Force Materiel Command and the U.S. Air Force.

HARDLINES DESIGN COMPANY

Roy A. Hampton III
Architectural Historian

Project Responsibility

Architectural History

Education

Ph.D., History, 1994-2000, Coursework, The Ohio State University, Columbus, Ohio

M.A., Art History-Architecture, 1994, University of Louisville, Kentucky

B.A., History, 1991, Bellarmine University, Louisville, Kentucky

Work History

Years with HDC: 10

Prior Experience: 3

Registration

36 CFR 61 certified in Architectural History and History

Professional Affiliations

Association of Public Historians

Society of American Military Engineers

Publication/Presentations

"German Gothic in the Midwest" in U.S. Catholic Historian.

"100 Years of Civil Works Housing" presented to Society for Industrial Archaeology.

"Jet Engine Testing at Wright-Patterson Air Force Base, Ohio" presented to Society for Industrial Archaeology.

"HABS/HAER Documentation" presented to American Cultural Resources Association.

Relevant Project Experience

Mr. Hampton is the firm's senior architectural historian and specializes in the research, publication and documentation of historic buildings and structures. Mr. Hampton also specializes in the management of large historic building surveys and mitigation projects. He has worked for the firm for ten years and has a total of 13 years of experience in history and architectural history. Mr. Hampton is also 36 CFR qualified as a Historian and Architectural Historian. His extensive preservation work includes historic building surveys, National Register evaluations, HABS/HAER documentation and cultural resources management plans. He has also conducted independent research on German-American church architecture and has published his work in the *U.S. Catholic Historian.*

Selected Projects

- *Historic Properties Survey and National Register Nomination for the Village of Gambier, Ohio.* Completed a historic community and building survey sponsored by Kenyon College. Recorded and surveyed more than 150 buildings and produced Ohio Historic Inventory forms for each structure. Developed historic district boundaries for the village and completed both National Register individual building nominations and district nominations.
- *Historic Mitigation for Expansion of Cleveland-Hopkins Airport, Cleveland, Ohio.* Project Manager for HAER documentation, development of an administrative history, museum display, video presentations, curation of RETF records/artifacts, restoration of a scale model, and creation of a website showcasing this work. In addition, Mr. Hampton is supervising mitigation efforts of historic landscape features in Cleveland's historic Rockefeller Park related to a stream restoration project associated with airport expansion.
- *Historic District Design Guidelines Establishment for the Louisville Landmarks Commission, Louisville, Kentucky.* Established design guidelines and design review for historic districts in Louisville, Kentucky. Completed a survey of Louisville's nineteenth-century Russell neighborhood, which established significant architectural elements and streetscape features that were used to develop neighborhood design guidelines. Also reviewed design changes for buildings in the Old Louisville Historic Preservation District. Researched the architectural impact of proposed exterior changes and assisted the commission's staff architect in finding appropriate design solutions for historic buildings.
- *Multiple Historic Building Projects for the U.S. Army Corps of Engineers – Pittsburgh District.* Directed Level I HAER documentation of historic lock and dam complexes near Pittsburgh, inventoried and evaluated navigation-related buildings along the 916-length of the Ohio River, and conducted literature review of a historic brickworks factory near Leetsdale, Pennsylvania.
- *Phase I Cultural Resource Investigations, Naval Training Center, Great Lakes, Illinois, Naval Facilities Engineering Command – Southern Division.* Project Historian for the completion of an intensive historic building survey and documentation that covered more than 2,750 buildings. Building types included single-family residential, multi-family housing, training facilities, research facilities and administrative offices.

CORPORATE PROFILE

Clingenpeel/McBrayer & Associates, Inc.

Services
Clingenpeel/McBrayer & Associates is a West Virginia based small business firm, providing services in the areas of HVAC, plumbing, fire protection and electrical engineering. CMA's founders have long believed in the philosophy that a successful project requires a comprehensive approach. This includes all traditional facets of project planning, starting with master planning, working closely with the client, developing the completed construction documents, bidding the project and contract administration. However, our depth of expertise goes far beyond the traditional services. From developing design criteria For owners to designing the mechanical and electrical systems for the West Virginia DEP Consolidated Office Building, the first LEED certified building in the state, CMA is a proven leader in providing engineering services in the design-build delivery method.

History
Since 1986, Clingenpeel/McBrayer & Associates has provided services on numerous projects of varying size and complexity. Clients include architects, industrial companies, governmental agencies, contractors, engineers, developers and private organizations. Project locations include West Virginia, Virginia, Ohio, Kentucky, Maryland, Pennsylvania, California and Connecticut.

Commitment
Clingenpeel/McBrayer & Associates' submittal is based on your needs and our experience. Our firm has the experience, service and quality work to create a successful project. We are committing senior design professionals in order to assure you receive top priority. We have extensive experience with projects of this nature. Examples of projects for which we were the Engineer are listed in this proposal.

From an initial staff of five employees in 1986, the company has grown and now has two offices with a staff of fourteen which includes two professional engineers and one engineer-in training. Facilities and equipment have grown to support CMA's staff and client's needs.

In 1987, computer aided drafting stations were added to provide the best quality and engineering services for our clients. We are currently operating AutoCad 2008. Our firm is constantly monitoring the latest technology, the cost effects and the end results to the final project.

Present staffing allows CMA to complete work in a timely manner without limiting our ability to perform our ongoing work. The staff of CMA is large enough to handle any size project, yet small enough for direct input and supervision by key personnel.

EXPERIENCE

Previous Five Years	
Projects:	492
Construction Costs	
MEP Costs:	$156,039,689.
Total Costs:	$472,847,542.

CMA ENGINEERING

Clingenpeel/McBrayer & Associates, Inc.

824 Cross Lanes Drive
Charleston, WV 25313
(304) 343-0316 tel
(304) 343-5146 fax

5 Riddle Court
Morgantown, WV 26505
(304) 598-2558 tel
(304) 598-2472

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P R O F I L E

Timothy Cox, P.E., NCEES

President
Mechanical Engineer

(304) 598-2558
tcox@cmawv.com

EDUCATION

University of Colorado
Boulder, Colorado
Degree: Mechanical Engineering B.S.

REGISTRATIONS/PROFESSIONAL AFFILIATIONS

Association of Energy Engineers-CBCP
Registered Professional Engineer in WV, VA, KY
CPD (Certified in Plumbing Engineering)
Member of ASHRAE
American Society of Plumbing Engineers
National Association of Fire Protection Engineers
WV Society of Healthcare Engineers

EXPERIENCE

Mr. Timothy Cox, President and Senior Mechanical Engineer of CMA Engineering brings 24 years of mechanical design experience to our clients. Mr. Cox has been project manager and project engineer for a variety of projects.

PROJECTS

West Virginia University-
Open End Contract since1999
- Mountain Lair Plaza Renovations
- Boreman HVAC/Plumbing/Fire Sprinkler Upgrades
- Soccer Stadium
- Coliseum Life/Safety Renovations
- Coliseum Locker Room Suites
- Engineering Science Building Addition/ Renovations
- Arnold Hall Fire Alarm/ Fire Sprinkler Upgrades
- Wrestling Training Facility

West Virginia University Hospitals
- WV Eye Institute-MEP systems design for new facility
- Cheat Clinic-MEP design for new clinical addition
- WVUH Emergency Department-HVAC, electrical, fire and communication systems design for new addition
- Chestnut Ridge Hospital-various MEP renovations
- Healthworks Rehab and Fitness –MEP systems design for new facility

Mylan Pharmaceuticals, Morgantown, WV
- Various projects including HVAC, plumbing, fire Sprinkler and controls for new office building, fluid bed addition, north plant expansion, parking garage and weighing and packaging.

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P R O F I L E

Daniel Lee Ellars, P.E.
LEEP AP

Principal
(304) 343-0316
dellars@cmawv.com

EDUCATION

West Virginia University Institute of Technology
Montgomery, West Virginia.
Bachelors of Science in Electrical Engineering

West Virginia State University
Institute, West Virginia
Bachelors of Science in Business Administration

REGISTRATIONS/PROFESSIONAL AFFILIATIONS

Registered Professional Engineer in West Virginia

National Fire Protection Association (NFPA)

Institute of Electrical and Electronics Engineers (IEEE)

American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)

EXPERIENCE

Mr. Daniel L. Ellars, Electrical Engineer for Clingenpeel/McBrayer & Associates, Inc. brings 19 years of electrical design experience to our clients. Mr. Ellars has been a project manager and project engineer for a variety of projects including commercial and industrial facilities as well as for both power and tele-communications utilities.

PROJECTS

Educational Experience
Jackson County (WV) Schools—Electrical Upgrades & Expansions.

Hospital Experience
West Virginia University / Ruby Memorial Hospitals
West Virginia Eye Institute—Electrical systems design for new facility.
Thomas Memorial Hospital—Electrical systems survey, upgrades and documentation. Standby emergency power engine/generator replacement.

Military Experience
West Virginia Army National Guard
Eleanor (WV) Maintenance Center—Electrical systems design for new facility.

Correctional Experience
St. Mary's Correctional Center—Multiple emergency power engine/generator systems with combined control and monitoring.

Industrial Experience
Mylan Pharmaceuticals
Mylan Office & Lab Buildings—various electrical systems designs for new, existing and expanded facilities including new 23kV/12kV switchyard and grounding plain layout.

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P R O F E S S I O N A L S T A F F

James A. Kerns, Mechanical/Electrical Design
B.S. in Building Construction

Mr. Kerns has over 32 years experience in mechanical and engineering design. Projects include WV State Capitol House and Senate Offices HVAC Renovations, classroom additions at George Washington High School. Elkview Middle School, Ruffner Elementary School and Point Harmony Elementary School, and upgrade of the fire alarm systems at Concord University's dormitories. Mr. Kerns has, also, been Project Manager and lead designer on over 65 United States Postal Service projects.

Mathew C. Corathers, E. I., Mechanical Design
B.S. in Mechanical Engineering

Mr. Corathers is a recent addition to CMA having previously worked for Whitman, Requardt and Associates in Baltimore, MD. Current projects for which he is lead mechanical designer include the new Child Care Facility at West Virginia University, the two-story addition to the Randolph County 911 and the new Bridgeport Police/Fire Station.

Samuel Aaron Ward, Electrical Design
B.S. in Electrical Engineering

Mr. Ward is a 2008 graduate of West Virginia University Institute of Technology and is a United States Army veteran. Mr. Ward's current projects include the new Bridgeport Police/Fire Station, Mingo County Racetrack WTP, and the new Wetzel County 911 Facility .

Jerry F. Betarie, Electrical Design
B. S. In Electrical Engineering

Mr. Betarie has 18 years of electrical design experience. Projects include University High School electrical renovations, Monongalia County Family Court Renovations and the new Child Care Facility at West Virginia University.

Larry A. Weese, Plumbing Design
M.S. Division of Forestry

Mr. Weese has 18 years of mechanical and plumbing design experience and has been chief plumbing designer for the new 911 Facilities in Raleigh , Mason , Randolph and Putnam Counties, as well as, the new Medical Office Building in Clarksburg and the new Elementary School in Fairdale, WV.

Donna D. Hintz-Fire Alarm/Security Design
A.A.S. Computer-Aided Drafting and Design

Ms. Hintz has nine years experience and is responsible for fire alarm, CCTV, building security systems, telecommunications, public address systems and nurse monitoring systems design. Her projects include the Mardi Gras addition to the Tri-State Gaming Center, St. Mary's Correctional Center and the Wellness Addition to Brooke County High School.

CMA ENGINEERING

As your Architect of Record, our contact information is as follows:

Name of Lead Firm S·E·M PARTNERS, inc. Architects

Contact Person J. Blair Frier, AIA, Principal
bfrier@sem-architects.com

Address S·E·M **Architects**
167 South State Street, Ste. 200
Westerville, OH 43081

614.794.3100
Fax 614.794.3088
email bfrier@sem-architects.com

Primary Contact