



*e n g i n e e r s • a r c h i t e c t s*

57 Fourteenth Street  
Wheeling, WV 26003  
(304) 232-4123  
Fax (304) 232-4127

January 29, 2009

Krista Ferrell, Senior Buyer  
Purchasing Division  
2019 Washington Street, East  
PO Box 50130  
Charleston, WV 25305-0130

RECEIVED

2009 FEB 17 PM 1:54

RE: Request for Architectural/Engineering Services  
Design of Bldg #9 Chiller Loop Changes  
WV State Culture & History Building  
REQ #: GSD096435

WV PURCHASING  
DIVISION

Dear Ms. Ferrell:

This letter is an expression of interest of the firm of Shaeffer & Madama, Inc. (SM) to be considered for Architectural and Engineering services for the above referenced project.

Our staff of architects and engineers is licensed to practice in West Virginia and is knowledgeable of all applicable codes. We proudly state and certify the following:

1. We are not under or have been under any litigation or arbitration for any of our projects.
2. We have never been debarred, suspended or otherwise prohibited from bidding or proposing any Federal, State or local government contracts.
3. We are not subject to any procurement laws in the State of West Virginia that would prevent our firm from being awarded this contract.

As indicated in the brochure our experience in HVAC chiller projects is extensive in addition to the following:

1. Extensive experience through thousands of tons of chiller designs and contract administrations.
2. Extensive experience required for this project through creation of many thousand tons of HVAC design.
3. Extensive experience with both architectural and engineering projects for the State of West Virginia.

**FIRM  
STAFFING**

4. Our reputation has been, to a large extent, built on the comprehensiveness of our surveys of existing building and our detailed supervision of construction.
5. We employ a cost estimating firm to work with us from schematic design through final plans and specifications to insure design within budget constraints.
6. We can begin this project immediately and would devote full time to it for early bidding and would agree to complete the design within a time schedule agreed upon, subject to delays by others.

Our approach to the project will be as follows:

#### **Task 1**

An initiatory meeting will be held to identify project key players and specific roles. At this time we will review project status and clearly define project objectives. A flow chart will be developed to establish timelines and formally set deadlines for SM tasks. In addition, formal committee review meeting dates will be set to accommodate all participants. This formal chart will set the pace to keeping the project on schedule.

#### **Task 2**

Following our initiatory meeting, we will perform a field survey of existing conditions, as well as, scaled "as-built" drawings. In addition, we will prepare preliminary design alternatives of project components, with options, and conduct a design meeting to review and discuss design alternatives.

#### **Task 3**

After approval of the preferred design alternatives, we will draft construction documents consisting of architectural and engineering drawings setting forth in detail the requirements for construction of the project. Moreover, we will assist in the preparation of documents for approval from agencies having jurisdiction over the projects.

#### **Task 4**

Following approval of the construction documents, we will assist in negotiating bids and assist in awarding and preparing the contract for construction.

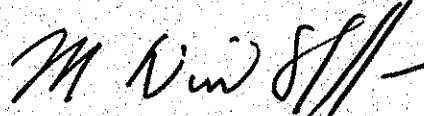
**Task 5**

After awarding of the contract to the successful bidder(s), we will organize the project construction requirements with contractors and periodically observe all phases of work through completion of the project. Complete coordination of all agencies having jurisdiction over this project will occur throughout all phases.

We thank you for the opportunity to submit this proposal and look forward to favorable consideration of Shaeffer & Madama, Inc. I would be the main contact person for this project.

Sincerely,

SHAEFFER & MADAMA, INC.

A handwritten signature in black ink, appearing to read "M. David Shaeffer". The signature is stylized and includes a horizontal line at the end.

M. David Shaeffer, P.E.

MDS/mlm

Enclosures



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## **ABOUT SHAEFFER & MADAMA**

Shaeffer and Madama has been located in Wheeling since 1958 and has established a proven history of quality professional work. We are a multi-disciplined firm that offers a full range of design services in-house. Our staff consists of Architects and Mechanical/Electrical Engineers. The firm's philosophy of "Total In-House Design" insures well-organized and cost effective jobs.

To stay on the forefront of the ever-changing technology of the design field, S/M has full Computerized Aided Design (CAD) capabilities of Auto Cad and Arris Design Systems. The firm also has maintained, in-house since 1980, AIA Masterspec, a computerized specification writing format with continuous product updates through the American Institute of Architects. This competitive edge allows S/M to offer an outstanding and thoroughly professional project package in a timely manner.



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## **CONCEPTS AND PRINCIPLES**

We at Shaeffer and Madama maintain a philosophy in our practice of architecture and engineering that the final product should present a simple, clear, and logical solution to our client's needs. We create innovative designs that incorporate practicality and durability yet always reflect our concern for protecting human safety.

As both an architectural and engineering firm, Shaeffer and Madama can manage a client's total project from inception through construction completion by the same architect/engineer team.

Since a project is completely charted by us, we can follow the progress to insure meeting project deadlines. We understand the financial and time limitations of today's construction market and are thoroughly prepared to work within the established guidelines. This is our commitment to you.

**PRINCIPAL  
RESUMES**

# **M. DAVID SHAEFFER, P.E., PRINCIPAL PRESIDENT**

Since 1958, Mr. Shaeffer has been the Principal in the firm of Shaeffer & Madama. In over 50 years of private practice, he has personally designed and supervised over 1/2 billion dollars of mechanical and electrical construction in various types of Institutional, Commercial, Industrial, and Residential facilities.

Mr. Shaeffer received his B.S. in Electrical Engineering and M.S. in Civil Engineering from the Carnegie Mellon University, Pittsburgh, Pennsylvania and has since been a guest lecturer in their Advance Building Studies Program on Environmental Systems and Energy Management. His Master's Thesis was design of an air-to-air solar collector, since applied on numerous residences and in the Schrader Environmental Center in Oglebay Park, Wheeling, WV.

As a Registered Professional Engineer, Mr. Shaeffer, is certified in the States of West Virginia, Pennsylvania, Ohio, Maryland, and Illinois. He has been appointed to the American Arbitration Association's Commercial Panel, is a member of the City of Wheeling Building Codes Board of Appeals and is also a member in the following technical societies:

American Society of Heating, Refrigerating, Ventilating, and Air Conditioning Engineers (ASHRAE) [Life Member]

International Solar Energy Society (ISES)

Institute of Electrical & Electronic Engineers (IEEE) [Life Member]

Illuminating Engineering Society (IES)

National Society of Professional Engineers (NSPE) (WV Chapter)

American Consulting Engineers Council (ACEC) (WV Chapter)

American Society of Plumbing Engineers (ASPE)

National Fire Protection Association (NFPA)

Associate Member West Virginia American Institute of Architects (WVAIA)



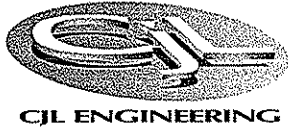
# **DENNIS M. MADAMA, AIA, PRINCIPAL VICE-PRESIDENT**

Mr. Madama is responsible for total architectural design and project coordination from initial programming through schematic and design development phases to completion of the final contract documents. His numerous years of experience in the architectural profession have exemplified a unique quality of project versatility. Mr. Madama's background of design, documentation and construction supervision includes the planning and designing of various institutional and commercial projects involving major new expansions and renovations with extensive experience in the public sector.

With a major focus on preservation and rehabilitation in recent years, Mr. Madama has been much involved not only through his firm and his work, but in the interest of his community. He has been an on-going active member with the National Trust for Historic Preservation and is Chairperson and a member of Wheeling's Historic Landmarks Commission for over ten years.

As a guest speaker for the Wheeling Area Chamber of Commerce, addressing the practical issues of ADA (American with Disabilities Act), Mr. Madama has also been extensively involved in evaluating and redesigning facilities to accommodate barrier free access.

Mr. Madama received his Bachelor of Science Degree in Architecture from The Ohio State University, Columbus, Ohio. He is a Registered Architect in West Virginia, Ohio, Pennsylvania and Maryland and a member of the American Institute of Architects and the West Virginia Society of Architects. He is also certified by the National Council of Architectural Registration Board.

**Mark A. Rosko, P.E.**

Mark A. Rosko is a Mechanical Engineer and an Associate with CJL Engineering. He joined the firm in 2007. Previously, Mr. Rosko provided technical engineering services for firms in Ebensburg, PA and Springfield, VA.

Mr. Rosko is responsible for the design and specification of HVAC and other mechanical systems for educational, healthcare, commercial, and corporate clients. He surveys existing facilities and systems to confirm and evaluate their condition. He conducts engineering studies, establishes design criteria, and estimates project costs. He is also responsible for communicating project needs and requirements between owner, architect, engineer and client.

**Representative Projects:**

**West Virginia Capitol Complex – Building #3,**  
Charleston, WV

**University of Pittsburgh, Cathedral of Learning & Fitzgerald Field**  
House, Pittsburgh, PA

**PANG Readiness Center, Hermitage, PA**  
**Rescar, Repair Facility, DuBois, PA**

**Solar Power Industries, Manufacturing Facility, Pittsburgh, PA**

**Wabash General Hospital, Mount Carmel, IL (Chiller Plant Upgrade)**

**City of Chesapeake City Hall, Chesapeake, VA (HVAC & Chiller Plant**  
Upgrade)

**CCAC Boyce Campus, Monroeville, PA (Chiller Replacement)**

**Previously:**

**Altoona Area School District, Baker Elementary & New Junior High**  
School, Altoona, PA\*

**Hanover Public School District, Clearview Elementary, LEED Silver,**  
Hanover, PA\*

**State College School District, Park Forest Middle School,**  
State College, PA\*

**The Pennsylvania State University, New Penn State Baseball Stadium,**  
State College, PA\*

**Indiana University of Pennsylvania, Convocation Center, Indiana, PA\***

**Windber Research Institute, Laboratory, Windber, PA**

**Laurel Crest Manor Nursing Home, Utility Consumption Study,**  
Ebensburg, PA\*

**Conemaugh Medical Center, Regional Offices, Parkhill & Portage, PA\***  
**Blair Plastic Surgery, Office, Altoona, PA\***

**328 Innovation Park, Shell Office Building, State College, PA\***

**328 Innovation Park, Tenant Fit-outs, State College, PA\***

**Penn Traffic Building, Study, Johnstown, PA\***

**John P. Murtha Johnstown-Cambria County Airport, Addition to**  
Terminal, Johnstown, PA\*

\* Afore-mentioned projects performed at a prior firm

**TITLE:**

Associate

**SPECIALIZATION:**

Mechanical Engineering

**EDUCATION:**University of Pittsburgh at  
Johnstown, PAB.S. – Mechanical Engineering  
Technology - 1999**REGISTERED PROFESSIONAL**  
**ENGINEER:**

Pennsylvania

**MEMBERSHIPS / ACTIVITIES:**American Society of Heating  
Refrigerating, and Air-Conditioning  
Engineers (ASHRAE)

# STAFF CAPABILITIES & CONSULTANTS

## MECHANICAL ENGINEERING

M. David Shaeffer, P.E.  
Mark A. Rosko, P.E.

## ELECTRICAL ENGINEERING

M. David Shaeffer, P.E.

## ARCHITECTURAL DESIGN

Dennis M. Madama, AIA  
Rick Rafferty

## LIFE SAFETY/CODE

M. David Shaeffer, P.E.  
Dennis M. Madama, AIA

## CAD COORDINATION

Ronald Parsons

## ON-SITE FIELD COORDINATION

M. David Shaeffer, P.E.  
Dennis M. Madama, AIA

## STRUCTURAL ENGINEERING

Whitney, Bailey, Cox & Magnani, LLC

## COST ESTIMATING

PEI Consulting Engineers

## OTHER PROFESSIONAL SERVICES

Consultants As Required

**CHILLER  
PROJECTS**

# CHILLER PROJECTS

## PROJECT

## TONNAGE

### **VERIZON (Various Locations)**

Clarksburg, WV	225
Fairmont, WV	15
Huntington, WV	250
Morgantown, WV	120
Parkersburg, WV	185
Weirton, WV	20
Wheeling, WV	115

<b>Robert C. Byrd Health Science Center</b>	5,000
Morgantown, WV - Plant Photographs Attached	

<b>Weirton Steel Corp.</b>	1,050
Weirton, WV	

**WEST VIRGINIA  
RELATED PROJECTS**

## PREVIOUS STATE OF WV RELATED PROJECTS

1. Dept. of Mental Health: We have done extensive architectural and engineering work in every mental health facility the State of West Virginia and designed the new patient facilities at the Barboursville Adolescent Center.
2. West Virginia University: Shaeffer & Madama has done architectural, mechanical and electrical design work in various laboratories, mechanical and electrical design for the present Business & Economics Building and architectural, mechanical and electrical design at the Engineering Sciences Building.
3. WVU Medical Center: We have designed a chiller plant (photo attached) and a high voltage electrical substation.
4. West Liberty State College: Shaeffer & Madama has done architectural, mechanical and electrical design work in every campus building.
5. West Virginia Northern Community College: We have done architectural, mechanical and site work at the Hazel Atlas Building and the B&O Building.

**LARGEST  
PROJECTS**



# LARGEST PROJECTS

<u>PROJECT</u>	<u>COST</u>
<b>Ohio County Development Authority</b> <b>The Highlands Town Center</b> <b>Triadelphia, WV</b> -New Retail and Office Space	\$10,500,000
<b>2008 Capital Fund Program</b> <b>Belmont Metropolitan Housing Authority</b> <b>Martins Ferry, OH</b> - Roof Replacement at Multiple Sites - Misc. Concrete Work at Misc. Sites	\$700,000
<b>Warehouse Renovation</b> <b>Warren Distribution</b> - Complete renovation of 250,000 sq. ft. including tank farms, site work, loading docks, office space, lounges, etc.	\$2,500,000
<b>2007 Capital Fund Program</b> <b>Belmont Metropolitan Housing Authority</b> <b>Martins Ferry, OH</b> - New Flooring at Multiple Sites - New PTAC at Laslo Tower - New Exhaust Fans at Misc. Sites	\$700,000
<b>2006 Capital Fund Program</b> <b>Belmont Metropolitan Housing Authority</b> <b>Martins Ferry, OH</b> - Floor Covering at Multiple Sites - Boiler Replacement at Rose Hill Tower - Misc. Concrete Work at Misc. Sites	\$750,000
<b>2005 Capital Fund Program</b> <b>The Housing Authority of the City of Wheeling</b> <b>Wheeling, WV</b> - Apartment Unit Conversions - Window Replacement - Roof Replacement - New 4BR Duplex	\$1,100,000
<b>2005 Capital Fund Program</b> <b>Belmont Metropolitan Housing Authority</b> <b>Martins Ferry, OH</b> - Sidewalk Replacement at Multiple Sites - New Parking Lot at 2 Sites - New Kitchens - 200 Units	\$775,000

# LARGEST PROJECTS

<u>PROJECT</u>	<u>COST</u>
<b>2005 Capital Fund Program</b> <b>Jefferson Metropolitan Housing Authority</b> <b>Steubenville, OH</b> <ul style="list-style-type: none"><li>- Electrical Renovations JFK Apts.</li><li>- Makeup Air Units at JFK Apts.</li><li>- Masonry Restoration at JFK Apts.</li></ul>	\$900,000
<b>Renovate Stone Center</b> <b>Regional Economic Redevelopment, Inc.</b> <ul style="list-style-type: none"><li>- Renovation of 8-story building (previously a department store) for new office space.</li></ul>	\$5,200,000
<b>2004 Capital Fund Program</b> <b>Belmont Metropolitan Housing Authority</b> <b>Martins Ferry, OH</b> <ul style="list-style-type: none"><li>- Office Renovations</li><li>- Floor Tile Replacement</li><li>- Roof Replacement</li><li>- Concrete &amp; Asphalt Work</li></ul>	\$800,000
<b>New Office Space</b> <b>Staley Communications</b> <ul style="list-style-type: none"><li>- Renovation of 3-story former grocery warehouse for new office space.</li></ul>	\$1,000,000
<b>New Office Building</b> <b>Kalkreuth Roofing &amp; Sheet Metal</b> <ul style="list-style-type: none"><li>- Design of 4,000 sq. ft. office building.</li></ul>	\$600,000
<b>Robert C. Byrd Intermodal Transportation Center</b> <b>Ohio Valley Regional Transit Authority</b> Wheeling, WV <ul style="list-style-type: none"><li>- Façade Architecture, Mechanical &amp; Electrical Design of 800 car parking space, 7500 sq. ft. concourse space</li></ul>	\$11,200,000
<b>Schrader Environmental Education Center</b> <b>Oglebay Institute</b> Wheeling, WV <ul style="list-style-type: none"><li>- Design of 11,500 sq. ft. environmental education center utilizing "Green Architecture".</li></ul>	\$3,200,000



## CHILLER PLANT FACILITY

### PROJECT

West Virginia University Medical Center Chiller Plant Facility.

### LOCATION

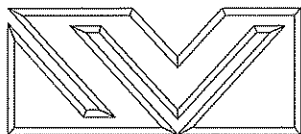
Morgantown, West Virginia.

### HIGHLIGHTS

An initial Chiller Plant Study recommended that a new Chiller Plant facility be constructed to handle the entire Health Sciences Center Complex and its anticipated growth for the next 30 years.

The design aesthetically integrates the large mechanical facility and its cooling towers into the existing complex. Integration was achieved through incorporating existing building materials, colors and details.

The extensive mechanical piping and equipment was brightly color coded, captivating a sense organization and interest to the user and visitor. The piping was even more highlighted by a large curtain wall system to exhibit the brightly colored expanse of mechanical complexity.



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## **THE STONE CENTER AT MARKET PLAZA**

### **PROJECT**

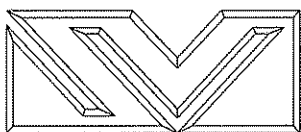
Adaptive reuse of former department store to new speculative office space.

### **LOCATION**

Wheeling, West Virginia.

### **HIGHLIGHTS**

Restoration of stone and brick facades, decorative metal cornice and large wood windows; all done in strict accordance with the Secretary of Interiors Standards for Rehabilitation. Complete rehabilitation of building infrastructure, including new stair towers, elevators, lighting, environmental systems, sprinklers, fire alarm and handicap accessibility. Building has 180,000 sq. ft. of speculative office space available for immediate occupancy.



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## **ROBERT C. BYRD INTERMODAL TRANSPORTATION CENTER**

### **PROJECT**

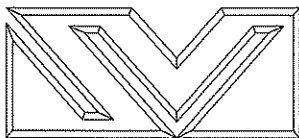
Facade Architecture, Mechanical, Electrical and Civil Design  
for Ohio Valley Regional Transit Authority.

### **LOCATION**

Wheeling, West Virginia.

### **HIGHLIGHTS**

As an anchor to the southern end of Wheeling's central business district, this \$11,000,000 multi-function transportation center adds a breath of new life to the struggling downtown commercial district.



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The facility incorporates an 800 car parking garage, and 7,500 square feet of concourse space that includes an information center, Greyhound bus terminal office and the central transfer location for local bus service. The brick facade with window size openings at the garage levels and street level glass storefronts at street level compliments the surrounding commercial historic district.



## STALEY COMMUNICATIONS

### PROJECT

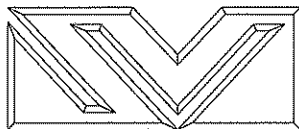
Adaptive reuse of former wholesale grocery warehouse to new office space.

### LOCATION

Wheeling, West Virginia.

### HIGHLIGHTS

Integration of heavy timber warehouse construction with high tech modern office furnishings and equipment. Complete restoration of the brick façade with the incorporation of new windows in strict compliance with the Secretary of Interiors Standards for Rehabilitation. Total Building Code Compliance per State and Local jurisdictions including new stair exit towers, fire alarm system, sprinkler system and full handicap accessibility. Building has 24,000 sq. ft. of new office space with a taste of local history.



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## **SOCIAL SECURITY OFFICE BUILDING**

### **PROJECT**

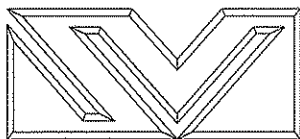
New office building in historic neighborhood.

### **LOCATION**

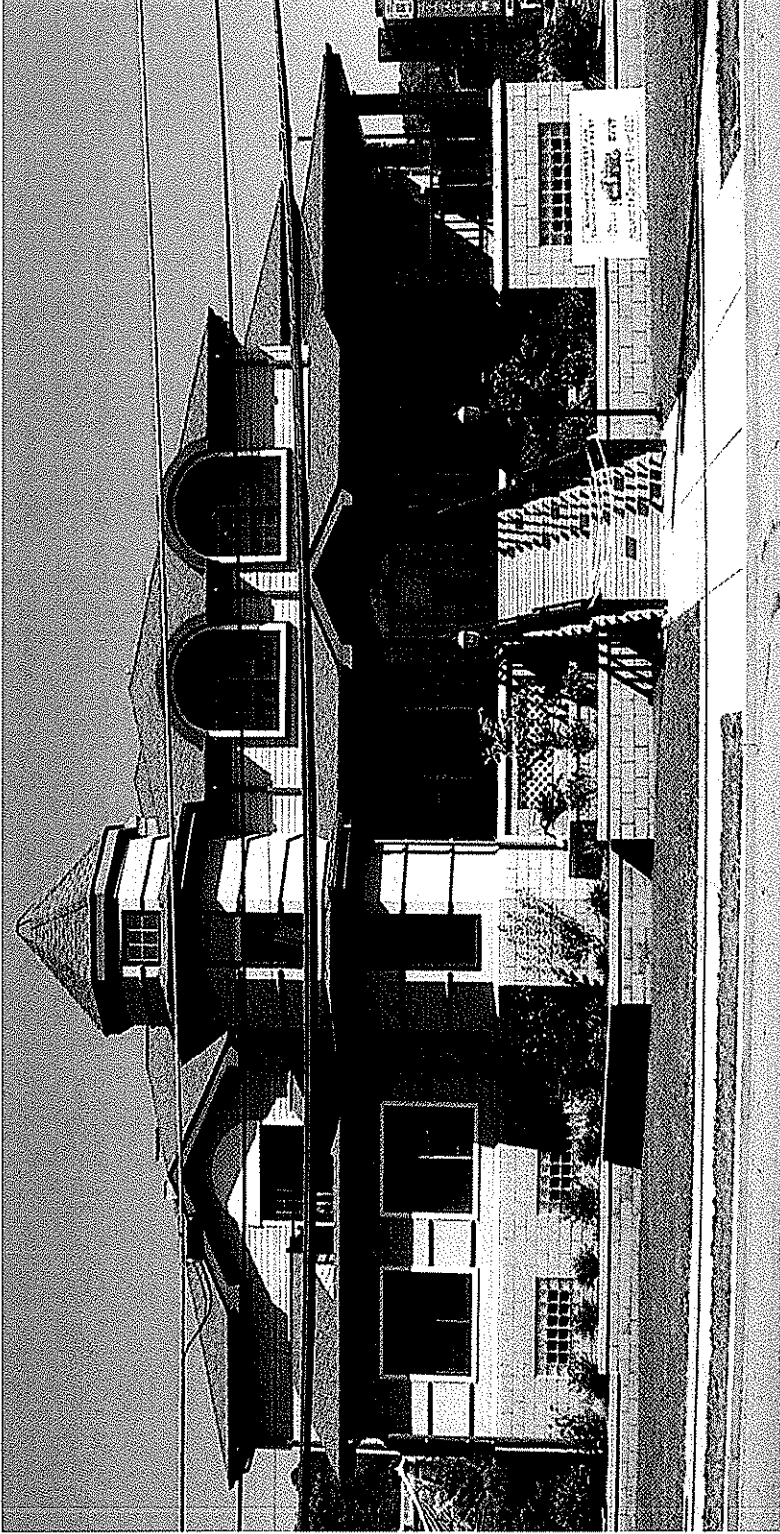
Wheeling, West Virginia.

### **HIGHLIGHTS**

Colorful, yet sensitive new office structure infiltrating an old neighborhood. Building incorporates period architectural features of arches, columns and dormers compatible with the surrounding area.



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## HOUSE OF THE CARPENTER

### PROJECT

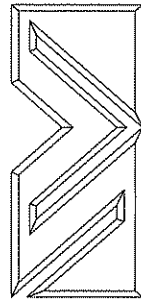
Architectural, mechanical and electrical design of a new facility to compliment the residential Victorian flavor of Wheeling Island.

### LOCATION

Wheeling, WV

### HIGHLIGHTS

The House of the Carpenter is an outreach social organization affiliated with the United Methodist Churches of America. The 15,000 sq. ft. facility houses offices, storage, soup kitchen, Chapel, etc. for the Wheeling area. Located on Wheeling Island, the building's exterior façade was designed to compliment and contribute to the Victorian flavor of the Island Historical District. The architecture design and detailing expresses the importance of the name "House of the Carpenter".



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**DESIGN  
AWARDS**

## **DESIGN AWARDS**

### **SCHRADER ENVIRONMENTAL EDUCATION CENTER**

Design of 11,500 sq. ft. environmental education center utilizing "Green Architecture".

**Client:** Oglebay Institute  
**Cost:** \$3,200,000.00

### **HISTORIC CENTRE MARKET**

Renovation and adaptive reuse of Wheeling Historic Centre Market Structures

**Client:** City of Wheeling  
**Cost:** \$2,500,000.00

### **COLLEGE SQUARE PLAZA**

Campus/Urban Plaza in Downtown Wheeling for West Virginia Northern Community College

**Client:** WV Board of Regents  
**Cost:** \$600,000.00

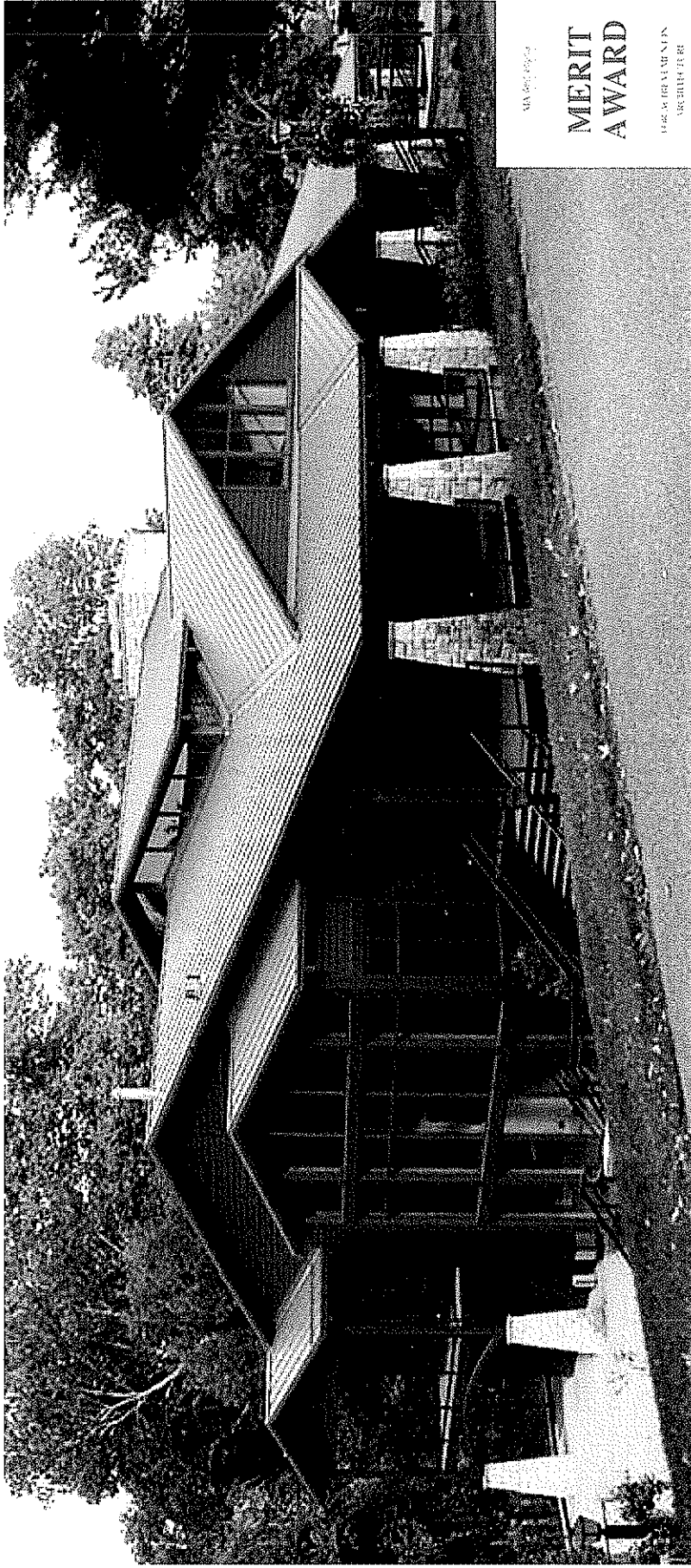
### **TRAUBERTS PHARMACY**

Storefront Restoration

**Client:** Mr. & Mrs. Thomas Traubert  
**Cost:** \$25,000.00

### **WVUHSC SITE STUDY**

**Client:** West Virginia University Health Science Center



VIA ARCHITECTURE

**MERIT  
AWARD**

FOR ARCHITECTURAL  
MERIT

## HENRY STIFEL SCHRADER ENVIRONMENTAL EDUCATION CENTER

### PROJECT

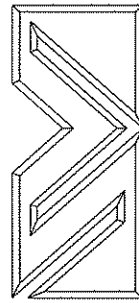
Architectural, mechanical, electrical and landscape architectural design of a new nature center for Oglebay Institute.

### LOCATION

Oglebay Park, Wheeling, WV

### HIGHLIGHTS

This 11,500 sq. ft. center is truly a state of the art facility for environmental education. The 3,000 sq. ft. exhibit hall features computer generated hands-on interactive learning centers exploring "Our Living Planet". The construction of the building itself contributes to the environmental "friendly" atmosphere of this facility. An extensive array of recycled building materials was used throughout. Solar energy is captured to temper ventilation air and reduce overall energy consumption. Many other mechanical and electrical energy saving features are incorporated to reduce fossil fuel usage. The interaction of site and building is truly an exciting blend of man and nature.

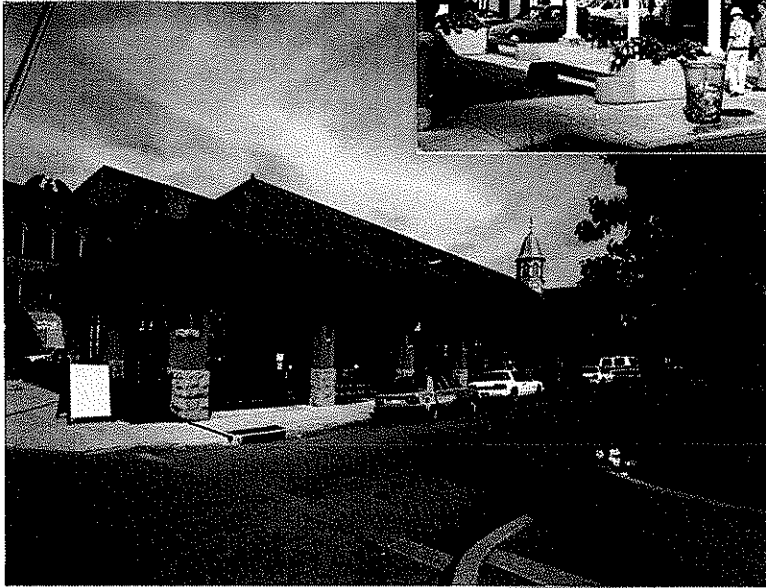


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THE WEST VIRGINIA  
SOCIETY OF ARCHITECTS

# HONORABLE MENTION

FOR EXCELLENCE IN  
ARCHITECTURE



## WHEELING CENTRE MARKET

### PROJECT

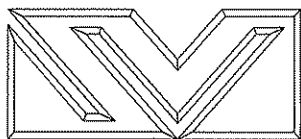
Historic restoration of landmark city market buildings.

### LOCATION

Wheeling, West Virginia

### HIGHLIGHTS

Integration of Historic Restoration and building modernization to revive the once flourishing market activity. Phase one included restoration of many of the lower building's historic structural components as well as complete roof reconstruction to meet today's structural design loads. Phases two and three included reconstruction of upper and lower market buildings' original cupolas and bell tower and enclosing the markets for year round use to increase their market potential.

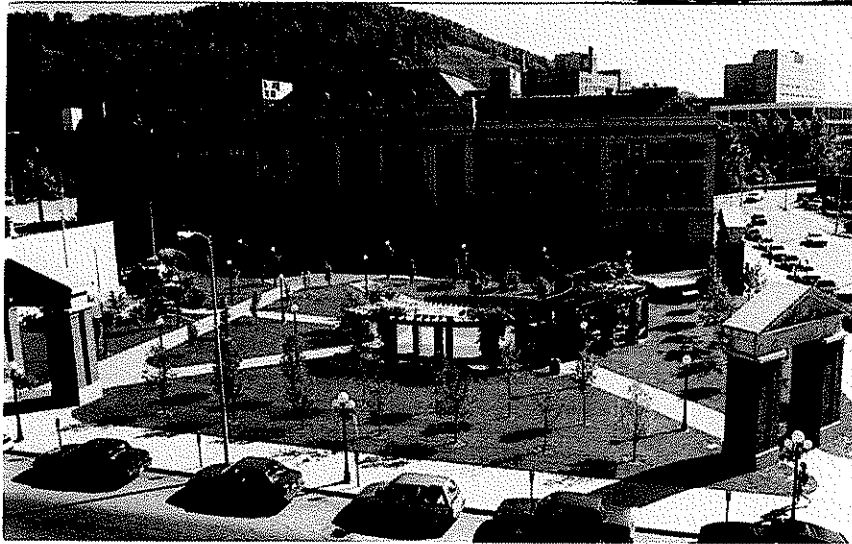


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THE WEST VIRGINIA  
SOCIETY OF ARCHITECTS

# HONORABLE MENTION

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## COLLEGE SQUARE

## PROJECT

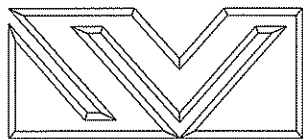
Architectural and landscape design of a new public square for West Virginia Northern Community College.

## LOCATION

Wheeling, West Virginia

## HIGHLIGHTS

The Knights of Pythian Building, which previously occupied this site, was dismantled in 1982. Significant architectural elements were salvaged for future use. Extensive research in pedestrian patterns as well as parking and feasibility studies aided the architectural and landscape design of this public square. The result is a multi-functional and pleasant environment sensitive to its surroundings and stands as an impressive gateway to the College.

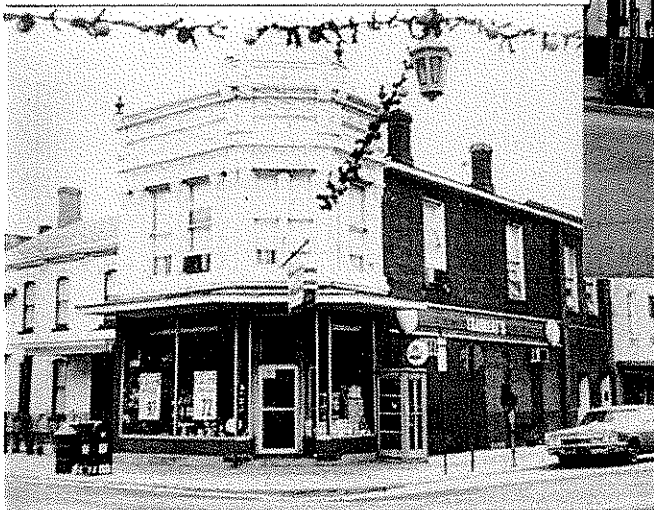


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THE WEST VIRGINIA  
SOCIETY OF ARCHITECTS

## HONORABLE MENTION

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ARCHITECTURE



### TRAUBERT'S PHARMACY

### PROJECT

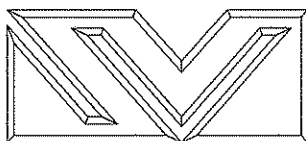
Rehabilitation of 1891 structure back to its original appearance.

### LOCATION

Wellsburg, West Virginia

### HIGHLIGHTS

This metal storefront was cleaned and repaired with tin and fiberglass moulds. The suspended cantilevered canopy was removed and replaced with colorful canvas awnings. The missing cast iron pilasters that once flanked the entrance were duplicated in wood and the brick areas below the windows were paneled with a decorative wood veneer. The remaining brick veneer was cleaned and painted.



**SHAEFFER & MADAMA**  
engineers • architects  
57 Fourteenth Street  
Wheeling, West Virginia 26003  
(304) 232-4123

American Society of Landscape Architects

Merit Award

presented by the

West Virginia Chapter

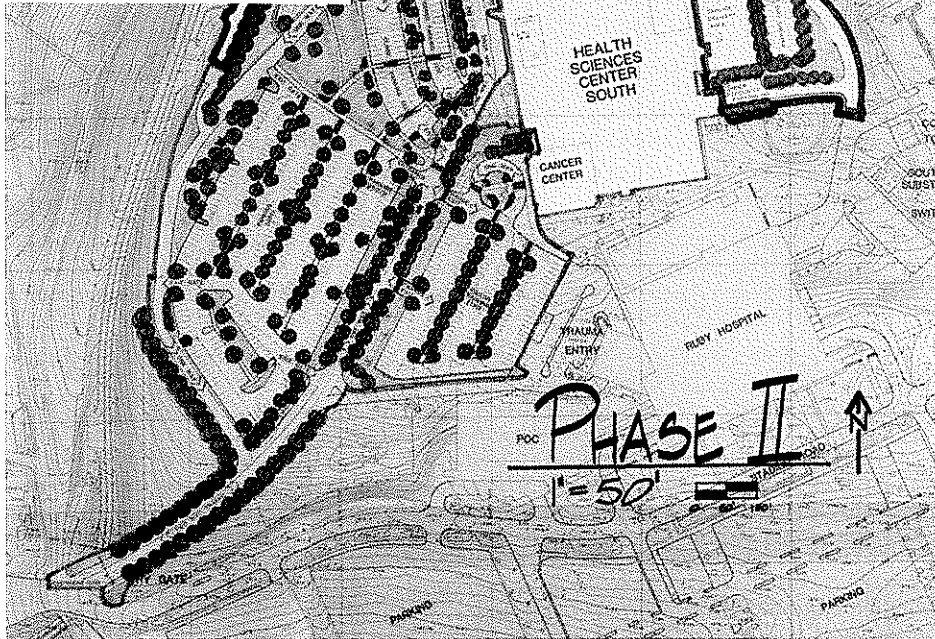
in recognition of outstanding professional achievement

A Site Study for Health Sciences Center West Virginia University

Shaeffer and Madama



*Blair* 2014



## SITE STUDY

## PROJECT

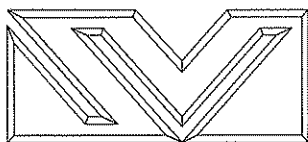
Study the vehicular and pedestrian circulation patterns, lighting, parking, site details and user safety for Health Sciences Center at West Virginia University.

## LOCATION

Morgantown, West Virginia

## HIGHLIGHTS

For thirty years the Health Sciences Center at WVU has been dynamically growing. Changes in uses, circulation patterns, and the passage of time have wrought many changes on the campus. The study has looked in depth at these changes. We sought to create a campus identity through three objectives: 1) establish a continuity within the site, 2) create a hierarchy in design elements and circulation and 3) identify destinations and goals in order to create an identity and establish a sense of security.



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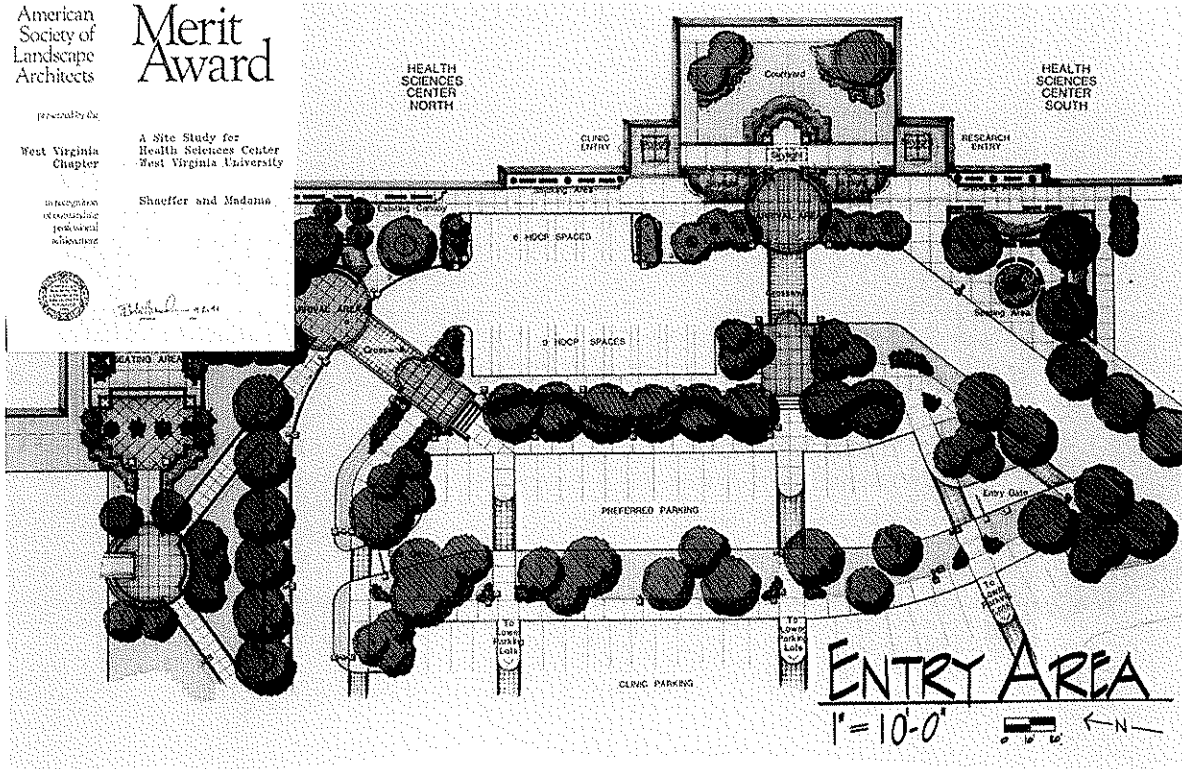
A Site Study for Health Sciences Center West Virginia University

Shaeffer and Madama

in recognition of outstanding professional achievement



*Shaeffer and Madama*



## ENTRY DESIGN

## PROJECT

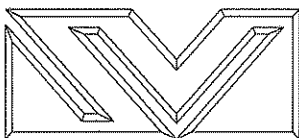
Redesign the entry area to the Health Sciences Center at West Virginia University.

## LOCATION

Morgantown, West Virginia

## HIGHLIGHTS

This entry plaza addresses the various activities that occur at the Health Sciences Buildings. A warm and highly detailed seating area was designed encompassing a focal point. The focal point is a partially carved marble pylon, symbolizing the developing history of medical sciences, and reflecting the existing four pylons already on the site carved with the past history of medicine. Circulation patterns have been changed to utilize the site more sensitively. Planting will enhance the plaza and compliment the building.



**SHAEFFER & MADAMA**  
engineers • architects  
57 Fourteenth Street  
Wheeling, West Virginia 26003  
(304) 232-4123



## REFERENCES

# SHAEFFER & MADAMA, INC.

## REFERENCES

Mr. Larry Slate, Specialist Construction

**VERIZON**

1500 MacCorkle Avenue

Charleston, WV 25301

(304) 344-6789

Mr. Thomas Snow, Executive Director

**Columbiana Metropolitan Housing Authority**

325 Moore Street

East Liverpool, Ohio 43920

(330) 386-5970

Mr. David Zywan, P.E., Development Coordinator

**Washington County Housing Authority**

100 Crumrine Tower

Washington, PA 15301-6995

(724) 228-6060

Mr. Randy Geese, Executive Director

**Wheeling Housing Authority**

11 Community Street

Wheeling, WV 26003

(304) 242-4447

Mr. Jim Douglas, Director - Logistics

**Warren Distribution**

2849 River Road

Council Bluffs, IA 51501

(402) 977-5480

**REQUIRED FORMS**



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

# Request for Quotation

RFQ NUMBER  
GSD096435

PAGE  
1

ADDRESS CORRESPONDENCE TO ATTENTION OF  
 KRISTA FERRELL  
 304-558-2596

RFQ COPY  
 TYPE NAME/ADDRESS HERE

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D  
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R

SHAEFFER & MADAMA, INC.  
 57-14TH ST  
 WHEELING WV 26003

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DEPARTMENT OF ADMINISTRATION  
 GENERAL SERVICES DIVISION  
 BLDG. 9 - CULTURE & HISTORY  
 1900 KANAWHA BOULEVARD, EAST  
 CHARLESTON, WV  
 25305 304-558-2317

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
01/14/2009				

BID OPENING DATE: 02/19/2009 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-07		
<p>A&amp;E SERVICES: DESIGN OF BLDG#9 CHILLER LOOP CHANGES</p> <p>EXPRESSION OF INTEREST (EOI)</p> <p>THE WEST VIRGINIA PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF GENERAL SERVICES, IS SOLICITING EXPRESSIONS OF INTEREST FOR ARCHITECTURAL AND ENGINEERING SERVICES FOR THE CHILLED WATER SYSTEM IN BUILDING 9 LOCATED ON THE WEST VIRGINIA STATE CAPITOL COMPLEX IN CHARLESTON, WEST VIRGINIA PER THE ATTACHED SPECIFICATIONS.</p> <p>TECHNICAL QUESTIONS CONCERNING THIS PROJECT MUST BE SUBMITTED IN WRITING TO KRISTA FERRELL IN THE WEST VIRGINIA PURCHASING DIVISION VIA FAX AT 304-558-4115 OR VIA EMAIL AT KRISTA.S.FERRELL@WV.GOV. DEADLINE FOR ALL TECHNICAL QUESTIONS IS 01/29/2009 AT THE CLOSE OF BUSINESS. ALL TECHNICAL QUESTIONS RECEIVED, IF ANY, WILL BE ADDRESSED BY ADDENDUM AFTER THE DEADLINE.</p> <p>QUESTIONS CONCERNING THE PROCESS BY WHICH A VENDOR MAY SUBMIT AN EXPRESSION OF INTEREST TO THE STATE OF WEST VIRGINIA ARE NOT CONSIDERED TO BE TECHNICAL QUESTIONS AND MAY BE SUBMITTED AT ANY TIME PRIOR TO THE EOI OPENING DATE AND IN ANY FOMAT.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THIS CONTRACT MAY BE</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>M. Nostr...</i>	TELEPHONE 304-232-4123	DATE 1/29/09
TITLE President	UPON: direct request	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

**GENERAL TERMS & CONDITIONS  
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)**

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
5. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
6. Payment may only be made after the delivery and acceptance of goods or services.
7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
14. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
15. **WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT:** If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

---

**INSTRUCTIONS TO BIDDERS**

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Complete all sections of the quotation form.
4. Unit prices shall prevail in case of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications. Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

# Request for Quotation

RFQ NUMBER: **GSD096435**

PAGE: **2**

ADDRESS CORRESPONDENCE TO ATTENTION OF:  
**KRISTA FERRELL**  
**304-558-2596**

RFQ COPY  
 TYPE NAME/ADDRESS HERE

**SHAEFFER & MADAMA, INC.**  
**57-14TH ST**  
**WHEELING WV 26003**

DEPARTMENT OF ADMINISTRATION  
 GENERAL SERVICES DIVISION  
 BLDG. 9 - CULTURE & HISTORY  
 1900 KANAWHA BOULEVARD, EAST  
 CHARLESTON, WV  
 25305 304-558-2317

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
01/14/2009				

BID OPENING DATE: **02/19/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>DEEMED NULL AND VOID, AND TERMINATED WITHOUT FURTHER ORDER.</p> <p style="text-align: center;">NOTICE</p> <p>A SIGNED EOI MUST BE SUBMITTED TO:</p> <p style="text-align: center;">DEPARTMENT OF ADMINISTRATION            PURCHASING DIVISION            BUILDING 15            2019 WASHINGTON STREET, EAST            CHARLESTON, WV 25305-0130</p> <p>THE EOI SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE EOI MAY NOT BE CONSIDERED:</p> <p>SEALED EOI</p> <p>BUYER: KRISTA FERRELL-FILE 21</p> <p>EOI. NO.: GSD096435</p> <p>EOI OPENING DATE: FEBRUARY 19, 2009</p> <p>EOI OPENING TIME: 1:30 PM</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR EOI:</p> <p style="text-align: center;">-----304-232-4127-----</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE 	TELEPHONE <b>304-232-4123</b>	DATE <b>1/29/09</b>
TITLE <b>President</b>	ADDRESS CHANGES TO BE NOTED ABOVE	

UPON DIRECT REQUEST  
 WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

# Request for Quotation

RFQ NUMBER
GSD096435

PAGE
3

ADDRESS CORRESPONDENCE TO ATTENTION OF
KRISTA FERRELL 304-558-2596

VENDOR

RFQ COPY  
 TYPE NAME/ADDRESS HERE

SHAEFFER & MADAMA, INC.  
 57-14TH ST  
 WHEELING WV 26003

SHIP TO

DEPARTMENT OF ADMINISTRATION  
 GENERAL SERVICES DIVISION  
 BLDG. 9 - CULTURE & HISTORY  
 1900 KANAWHA BOULEVARD, EAST  
 CHARLESTON, WV  
 25305 304-558-2317

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
01/14/2009				

BID OPENING DATE: 02/19/2009 BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
CONTACT PERSON (PLEASE PRINT CLEARLY):						
M. David Shaeffer, P.E. dshaeffer@shaeffer-madama.com						
***** THIS IS THE END OF RFQ GSD096435 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
<i>M. David Shaeffer</i>	304-232-4123	1/29/09
TITLE	ADDRESS CHANGES TO BE NOTED ABOVE	
President	Upon direct request	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

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:**

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code*. The vendor **must** make said affirmation with its bid submission. Further, 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 political 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. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.

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

Vendor's Name: Shaeffer & Madama, Inc.Authorized Signature: Date: 1/29/09





State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

# Request for Quotation

RFQ NUMBER
GSD096435

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
KRISTA FERRELL 304-558-2596

SHOEBOOTS

\*709050211                      304-232-4123  
 SHAEFFER & MADAMA INC  
 57 14TH ST  
 WHEELING WV 26003

SHOEBOOTS

DEPARTMENT OF ADMINISTRATION  
 GENERAL SERVICES DIVISION  
 BLDG. 9 - CULTURE & HISTORY  
 1900 KANAWHA BOULEVARD, EAST  
 CHARLESTON, WV  
 25305                      304-558-2317

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
02/02/2009				

BID OPENING DATE: 02/19/2009                      BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 1						
THIS ADDENDUM IS ISSUED TO ANSWER ALL TECHNICAL QUESTIONS RECEIVED PRIOR TO THE JANUARY 29, 2009 DEADLINE.						
BID OPENING DATE REMAINS: 02/19/2009						
BID OPENING TIME REMAINS: 1:30 PM						
***** ADDENDUM NO. 1 *****						
0001	1	LS		906-07		
A&E SERVICES: DESIGN OF BLDG#9 CHILLER LOOP CHANGES						
***** THIS IS THE END OF RFQ GSD096435 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE 304-232-4123	DATE 02/09/09
TITLE President	FEIN Upon direct request	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



State of West Virginia  
 Department of Administration  
 Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

# Request for Quotation

RFQ NUMBER  
**GSD096435**

PAGE  
**1**

ADDRESS CORRESPONDENCE TO ATTENTION OF  
**KRISTA FERRELL  
 304-558-2596**

**\*709050211                      304-232-4123**  
**SHAEFFER & MADAMA INC**  
**57 14TH ST**  
  
**WHEELING WV 26003**

**DEPARTMENT OF ADMINISTRATION  
 GENERAL SERVICES DIVISION  
 BLDG. 9 - CULTURE & HISTORY  
 1900 KANAWHA BOULEVARD, EAST  
 CHARLESTON, WV  
 25305                      304-558-2317**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
02/09/2009				

BID OPENING DATE: **02/19/2009**                      BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
				ADDENDUM NO. 2		
				THIS ADDENDUM IS ISSUED TO DELETE SECTION 3.1 GENERAL REQUIREMENTS IN ITS ENTIRETY AND TO ADD THE FOLLOWING LANGUAGE:		
				"3.1 GENERAL REQUIREMENTS: FIRMS AR TO BE WV LICENSED ARCHITECTURAL/ENGINEERING FIRMS (A/E) AND MUST BE FAMILIAR WITH AND HAVE A SUCCESSFUL TRACK RECORD OF PROVIDING ENGINEERING SERVICES INVOLVING CHILLED WATER LOOPS. FIRMS MUST ALSO PROVIDE MECHANICAL, ELECTRICAL, AND STRUCTURAL ENGINEERING SERVICE FOR BID DOCUMENTS TO UPGRADE BUILDING #9 WITH NEW CHILLERS AND (2) STANDBY BOILERS."		
				EOI OPENING DATE REMAINS: 02/19/2009 EOI OPENING TIME REMAISN: 1:30 PM		
				***** END ADDENDUM NO. 2 *****		
0001	1	LS		906-07		
				A&E SERVICES: DESIGN OF BLDG#9 CHILLER	LOOP CHANGES	

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>[Signature]</i>	TELEPHONE 304-232-4123	DATE 02/12/09
TITLE President	FEIN Upon direct request	ADDRESS CHANGES TO BE NOTED ABOVE

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'