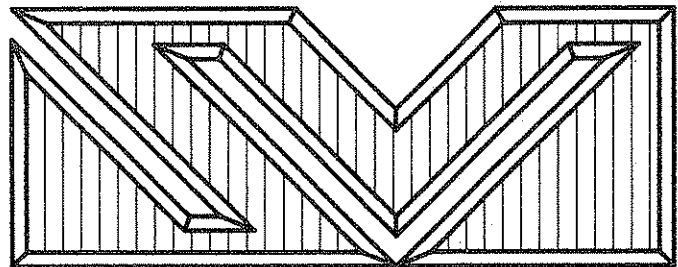


Request for Architectural/Engineering Services
New Roofs and HVAC Systems
WV Regional Jails

REQ #: RJCMNT001



SHAEFFER & MADAMA

engineers • architects

57 Fourteenth Street

Wheeling, West Virginia 26003

(304) 232-4123

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STATE OF WV



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

December 8, 2008

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

RE: Request for Architectural/Engineering Services
New Roofs and HVAC Systems
WV Regional Jails
REQ #: RJCMNT001

Dear Mr. Abbott:

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 projects.

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 roof replacement and HVAC projects is extensive in addition to the following:

1. Extensive experience through several million square feet of roof replacement projects.
2. Extensive experience required for this project through creation of several thousand tons of air conditioning design.
3. Extensive experience with both architectural and engineering projects for the State of West Virginia.

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.

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.

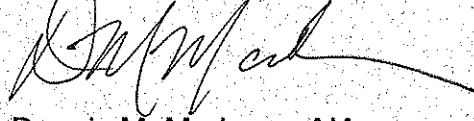
Task 5

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.

Sincerely,

SHAEFFER & MADAMA, INC.

A handwritten signature in black ink, appearing to read "Dennis M. Madama", written over the printed name below.

Dennis M. Madama, AIA

DMM/mlm
Enclosure



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
Email: saminc@shaeffer-madama.com

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 49 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.

**FIRM
STAFFING**

STAFF CAPABILITIES & CONSULTANTS

ARCHITECTURAL DESIGN	Dennis M. Madama, AIA Rick Rafferty
MECHANICAL ENGINEERING	M. David Shaeffer, P.E.
ELECTRICAL ENGINEERING	M. David Shaeffer, P.E.
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	Outside Consultant Whitney, Bailey, Cox & Magnani, LLC Mr. Michael D. Wuerthele, P.E.
COST ESTIMATING	Outside Consultant PEI Consulting Engineers Mr. David E. Glaser, P.E.
OTHER PROFESSIONAL SERVICES	Consultants As Required

HVAC
PROJECTS

HVAC PROJECTS

<u>PROJECT</u>	<u>COST</u>
VERIZON (Various Locations) Replacement of AHU, Boiler, Chiller, A/C Clarksburg, WV Chiller Replacement Huntington, WV Replace Chiller, Upgrade Air Handling Units Fairmont, WV Replace Boilers, Replace Chiller Wheeling, WV Rooftop Unit, Chiller, A/C Replacement Parkersburg, WV Replace Boilers & Air Handling Units Morgantown, WV	\$1,600,000
REDUNDANT HVAC VERIZON (Various Locations) Athens, OH Brunswick, OH Cambridge, OH Weirton, WV Woodsdale, WV	\$600,000
REPLACE MAKE UP AIR UNIT Washington County Housing Authority 46 Unit Apartment Building Washington, PA	\$65,000
REPLACE AIR CONDITIONING SYSTEM Belmont Metropolitan Housing Authority 70 Unit High Rise Building Martins Ferry, OH	\$165,000
REPLACE MAKE UP AIR UNITS Jefferson Metropolitan Housing Authority 190 Unit High Rise Building Steubenville, OH	\$250,000
REPLACE AIR HANDLING UNITS Columbiana Metropolitan Housing Authority 2 High Rise Buildings East Liverpool, OH	\$65,000
NEW FURNACES Jefferson Metropolitan Housing Authority Parkview Circle Apartments Steubenville, OH	\$245,000

HVAC PROJECTS

<u>PROJECT</u>	<u>COST</u>
AIR CONDITIONING PROJECT 35,000 S.F. Classroom Facility Jefferson County Mental Retardation Developmental and Disabilities Program School of Bright Promise Steubenville, OH	\$200,000
UNDERGROUND HEATING LINE REPLACEMENT Zanesville Metropolitan Housing Authority Coopermill Manor Zanesville, OH	\$900,000
BOILER REPLACEMENT & AIR CONDITIONING RENOVATIONS Jefferson Metropolitan Housing Authority 200 Unit Multi-Story Elderly High Rise Building Steubenville, OH	\$1,100,000
BOILER REPLACEMENT & MAKE-UP AIR UNIT REPLACEMENT Belmont Metropolitan Housing Authority 70 Unit Multi-Story Elderly High Rise Building Martins Ferry, OH	\$150,000
BOILER REPLACEMENT Columbiana Metropolitan Housing Authority 120 Residential Multi-Family Units East Liverpool, OH	\$185,000
AIR CONDITIONING Steubenville Board of Education Computer Room & Library & Conference Center Steubenville, OH	\$130,000
HEATING & AIR CONDITIONING RENOVATIONS West Liberty State College Main Hall/Library Hall/HPE, Bartell & Arnett Halls West Liberty, WV	\$750,000
BOILER REPLACEMENT West Virginia Northern Community College Hazel/Atlas Building Wheeling, WV	\$250,000

HVAC PROJECTS

<u>PROJECT</u>	<u>COST</u>
AIR CONDITIONING Robert C. Byrd Health Science Center Computer Room Morgantown, WV	\$200,000
5,000 TON CHILLER PLANT Robert C. Byrd Health Science Center Morgantown, WV	\$5,500,000
MECHANICAL & ELECTRICAL DESIGN West Virginia University Business & Economics Building Morgantown, WV	\$5,500,000
MECHANICAL & ELECTRICAL LIFE SAFETY UPGRADE West Virginia University Engineering Science Building Morgantown, WV	\$2,400,000
MECHANICAL & ELECTRICAL DESIGN West Virginia Northern Community College New Instructional Building Wheeling, WV	\$800,000
CHILLER REPLACEMENT HUMIDIFICATION PROJECT West Liberty State College Student Union Building Library Hall West Liberty, WV	\$275,000
BOILER REPLACEMENT Shepherd College Cafeteria Building Shepherdstown, WV	\$150,000
BOILER REPLACEMENT Shepherd College Knutti/Reynolds/McMurrin Halls Shepherdstown, WV	\$175,000

ROOF
PROJECTS

ROOF REPLACEMENT PROJECTS

PROJECT

COST

BELMONT METROPOLITAN HOUSING AUTHORITY

Martins Ferry & Bellaire, OH

Hartmann Manor	\$45,000
Laslo Apartments	\$55,000
Rose Hill Tower	\$122,000
Selby Apartments	\$75,000
Shadyside Manor	\$52,000
Wayne L. Hays Tower	\$40,000

COLUMBIANA METROPOLITAN HOUSING AUTHORITY

East Liverpool, OH

Fawcett Apartments	\$38,000
Riverview Tower	\$67,000
William Shoub Tower	\$72,000

JEFFERSON METROPOLITAN HOUSING AUTHORITY

Steubenville, OH

Elmer White Multi-Family Units	\$190,000
JFK Apartments	\$195,000
JFK Multi-Family Units	\$90,000
Michael Myers Med. Rise Units & Multi-Family Units	\$180,000
Parkview Circle	\$140,000
Schlernitzauer Apartments	\$58,000

FRANCISCAN UNIVERSITY OF STEUBENVILLE

Steubenville, OH

Egan Hall	\$190,500
Holy Spirit Friary	\$86,000

O.V.I.B.D.C.

Triadelphia, WV

Krasco Building	\$195,000
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WASHINGTON COUNTY HOUSING AUTHORITY

Washington, PA

Bassettown Manor	\$85,000
Canonsburg Scattered Sites	\$52,000
Donora Townhouses	\$48,000
Highland Ave. Apts.	\$50,000
Highland Terrace	\$400,000

ROOF REPLACEMENT PROJECTS

PROJECT

COST

THE HOUSING AUTHORITY OF THE CITY OF WHEELING Wheeling, WV

Hil-Dar Apartment Complex \$360,000

BARNESVILLE SCHOOLS Barnesville, OH

Barnesville High School \$225,000

JEFFERSON COUNTY MENTAL RETARDATION DEVELOPMENTAL & DISABILITIES PROGRAM Steubenville, OH

Jefferson County Sheltered Workshop \$110,000

School of Bright Promise \$180,000

Vocational Training Center \$62,000

WEST LIBERTY STATE COLLEGE West Liberty, WV

Beta Hall \$62,000

College Hall \$33,000

Curtis & Bonar Halls \$60,000

Hall of Fine Arts (Ph. 1) \$78,000

Hall of Fine Arts (Ph. 2) \$92,500

HPE Building \$94,500

Hughes Hall \$72,000

Krise Hall \$52,500

Library Hall \$172,000

Main Hall \$225,000

Myers Hall \$35,000

Rogers Hall (Ph. 1) \$31,000

Rogers Hall (Ph. 2) \$65,000

Shaw Hall \$60,000

WVU HEALTH SCIENCE CENTER Morgantown, WV

Cooling Tower Area \$22,000

Canopy Roofs \$22,000

Temporary Chiller Project Reroofing \$80,000

WVU MEDICAL CENTER Morgantown, WV

Mechanical Plant \$52,000

**LARGEST
PROJECTS**

LARGEST PROJECTS

<u>PROJECT</u>	<u>COST</u>
Ohio County Development Authority The Highlands Town Center Triadelphia, WV <ul style="list-style-type: none">-New Retail and Office Space	\$10,500,000
2008 Capital Fund Program Belmont Metropolitan Housing Authority Martins Ferry, OH <ul style="list-style-type: none">- Roof Replacement at Multiple Sites- Misc. Concrete Work at Misc. Sites	\$700,000
Warehouse Renovation Warren Distribution <ul style="list-style-type: none">- Complete renovation of 250,000 sq. ft. including tank farms, site work, loading docks, office space, lounges, etc.	\$2,500,000
2007 Capital Fund Program Belmont Metropolitan Housing Authority Martins Ferry, OH <ul style="list-style-type: none">- New Flooring at Multiple Sites- New PTAC at Laslo Tower- New Exhaust Fans at Misc. Sites	\$700,000
2006 Capital Fund Program Belmont Metropolitan Housing Authority Martins Ferry, OH <ul style="list-style-type: none">- Floor Covering at Multiple Sites- Boiler Replacement at Rose Hill Tower- Misc. Concrete Work at Misc. Sites	\$750,000
2005 Capital Fund Program The Housing Authority of the City of Wheeling Wheeling, WV <ul style="list-style-type: none">- Apartment Unit Conversions- Window Replacement- Roof Replacement- New 4BR Duplex	\$1,100,000
2005 Capital Fund Program Belmont Metropolitan Housing Authority Martins Ferry, OH <ul style="list-style-type: none">- 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>
2005 Capital Fund Program Jefferson Metropolitan Housing Authority Steubenville, OH <ul style="list-style-type: none">- Electrical Renovations JFK Apts.- Makeup Air Units at JFK Apts.- Masonry Restoration at JFK Apts.	\$900,000
Renovate Stone Center Regional Economic Redevelopment, Inc. <ul style="list-style-type: none">- Renovation of 8-story building (previously a department store) for new office space.	\$5,200,000
2004 Capital Fund Program Belmont Metropolitan Housing Authority Martins Ferry, OH <ul style="list-style-type: none">- Office Renovations- Floor Tile Replacement- Roof Replacement- Concrete & Asphalt Work	\$800,000
New Office Space Staley Communications <ul style="list-style-type: none">- Renovation of 3-story former grocery warehouse for new office space.	\$1,000,000
New Office Building Kalkreuth Roofing & Sheet Metal <ul style="list-style-type: none">- Design of 4,000 sq. ft. office building.	\$600,000
Robert C. Byrd Intermodal Transportation Center Ohio Valley Regional Transit Authority Wheeling, WV <ul style="list-style-type: none">- Façade Architecture, Mechanical & Electrical Design of 800 car parking space, 7500 sq. ft. concourse space	\$11,200,000
Schrader Environmental Education Center Oglebay Institute Wheeling, WV <ul style="list-style-type: none">- Design of 11,500 sq. ft. environmental education center utilizing "Green Architecture".	\$3,200,000

REFERENCES

SHAEFFER & MADAMA, INC.

REFERENCES

Mr. Larry Slate, Specialist Construction

VERIZON

1500 MacCorkle Avenue

Charleston, WV 25301

(304) 344-6789

Mr. Matt King, Treasurer

Barnesville Exempted Village Schools

210 West Church Street

Barnesville, OH 43713

(740) 425-3615

Mr. Randy Geese, Executive Director

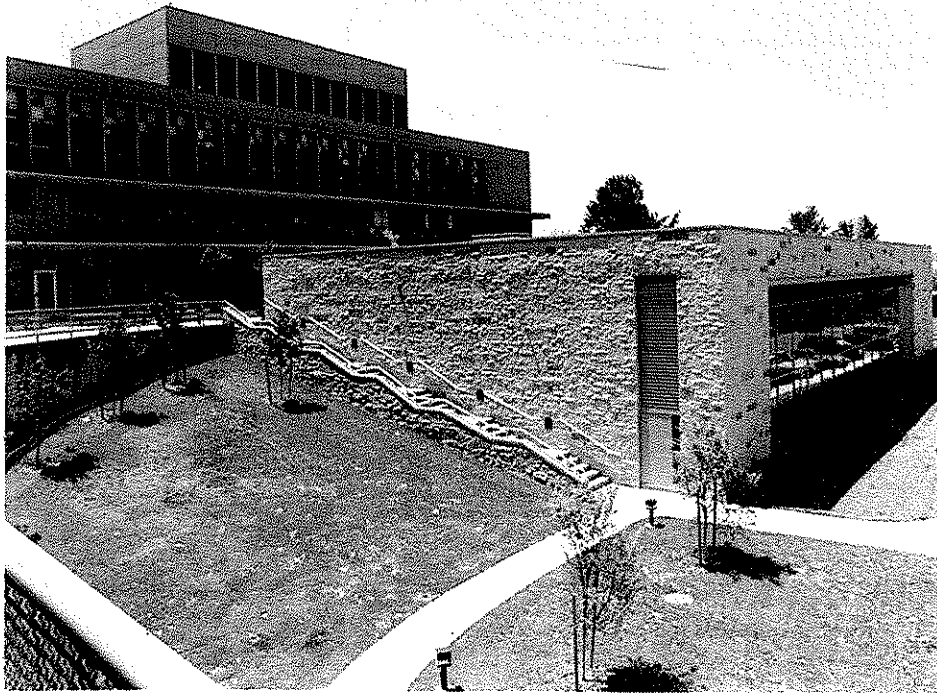
Wheeling Housing Authority

11 Community Street

Wheeling, WV 26003

(304) 242-4447

**PAST
PROJECTS**



CHILLER PLANT FACILITY

PROJECT

West Virginia University Medical Center Chiller Plant Facility.

LOCATION

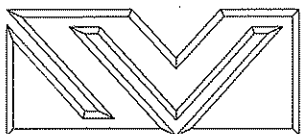
Morgantown, West Virginia.

HIGHLIGHTS

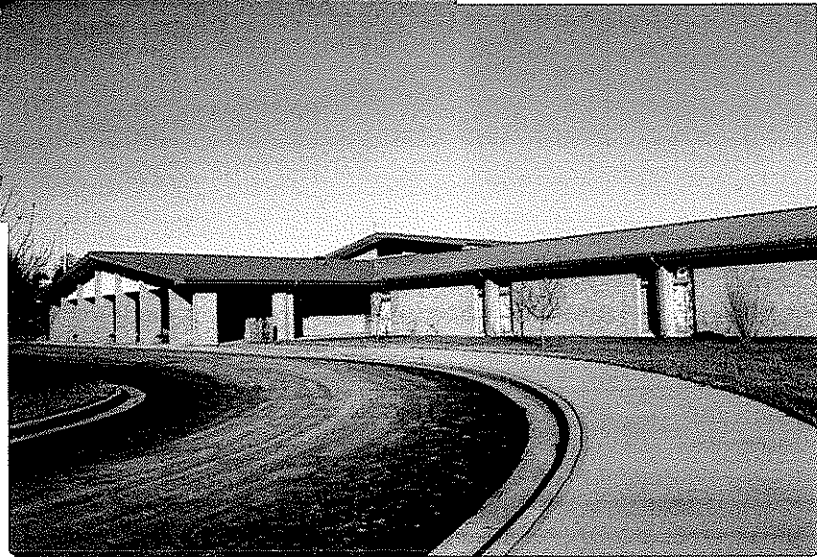
An initial Chiller Plant Study recommended that a new Chiller Plant facility be constructed to handle the entire Health Sciences Center Complex and its anticipated growth for the next 30 years.

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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SCHOOL OF BRIGHT PROMISE

PROJECT

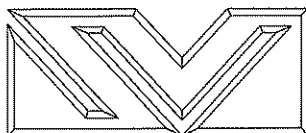
Roof replacement project for Jefferson County Mental Retardation and Developmental Disabilities Program at the School of Bright Promise.

LOCATION

Steubenville, Ohio.

HIGHLIGHTS

This roof replacement job covers 12,000 square feet of roof. It is a combination of a metal standing seam roof and a single-ply membrane roof. The building is designed so that the first view of the building is of the metal roof. Therefore, it was important in replacing the roof that particular care be given to detail in design and construction of this highly visible feature. The new metal roof is a preformed, standing seam roof panel, chosen because of its quality and durability. The roof was refinished in a light blue to enhance the brick walls and create a cheerful student environment.



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ROBERT C. BYRD INTERMODAL TRANSPORTATION CENTER

PROJECT

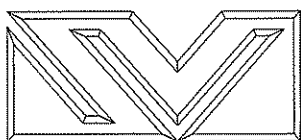
Facade Architecture, Mechanical, Electrical and Civil Design
for Ohio Valley Regional Transit Authority.

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.



BARBOURSVILLE ADOLESCENT CENTER

PROJECT

Residential treatment center for emotionally disturbed adolescents.

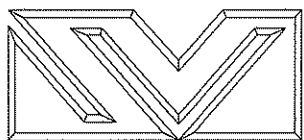
LOCATION

Barbourville, West Virginia.

HIGHLIGHTS

Barbourville Adolescent Center was developed from a pilot program conceived by the West Virginia Department of Health. This comprehensive residential treatment facility designed to meet the needs of emotionally disturbed teenage youths offered many design challenges.

Program requirements addressed the educational, recreational and daily life support activity needs along with security all in a pleasant, warm, residential setting. Selective use of durable yet pleasing and attractive materials were researched and incorporated. Daily routine residential spaces were arranged and designed to allow maximum visual control for safety and security. Site and buildings design provide a controlled protective residential environment.



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THE STONE CENTER AT MARKET PLAZA

PROJECT

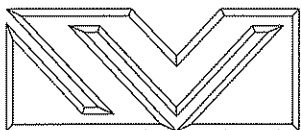
Adaptive reuse of former department store to new speculative office space.

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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STALEY COMMUNICATIONS

PROJECT

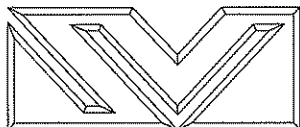
Adaptive reuse of former wholesale grocery warehouse to new office space.

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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**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

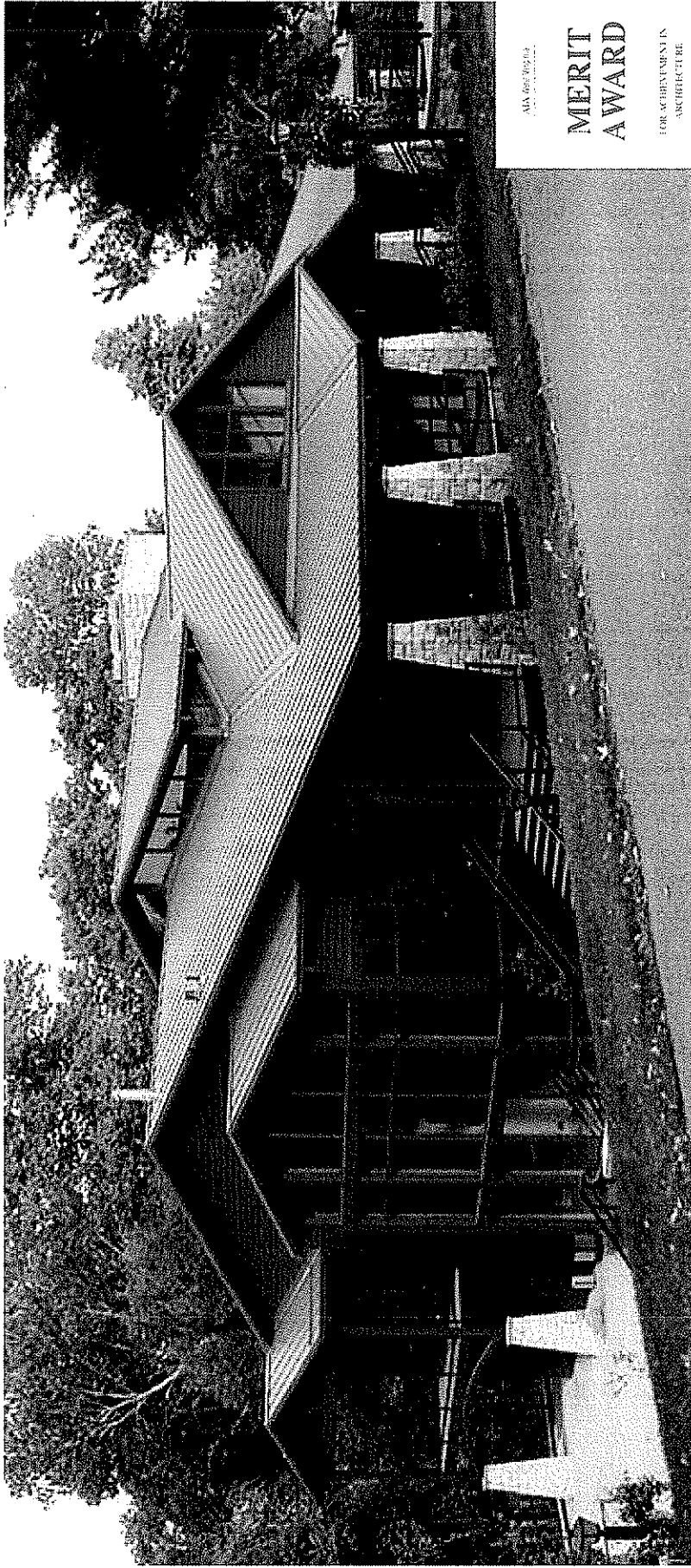
TRAUBERTS PHARMACY

Storefront Restoration

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

WVUHSC SITE STUDY

Client: West Virginia University Health Science Center



AIA 2007/2008
FOR ACHIEVEMENT IN ARCHITECTURE

**MERIT
 AWARD**

FOR ACHIEVEMENT IN
 ARCHITECTURE

HENRY STIFEL SCHRADER ENVIRONMENTAL EDUCATION CENTER

PROJECT

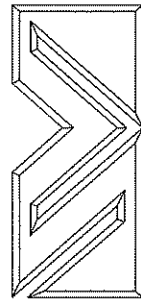
Architectural, mechanical, electrical and landscape architectural design of a new nature center for Oglebay Institute.

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.

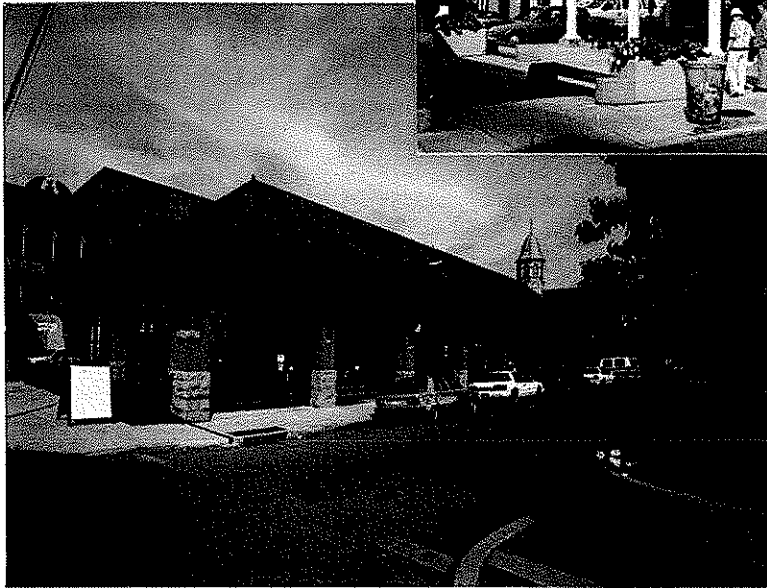


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THE WEST VIRGINIA
SOCIETY OF ARCHITECTS

HONORABLE MENTION

FOR EXCELLENCE IN
ARCHITECTURE



WHEELING CENTRE MARKET

PROJECT

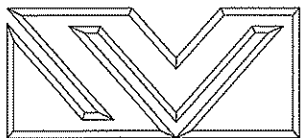
Historic restoration of landmark city market buildings.

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.

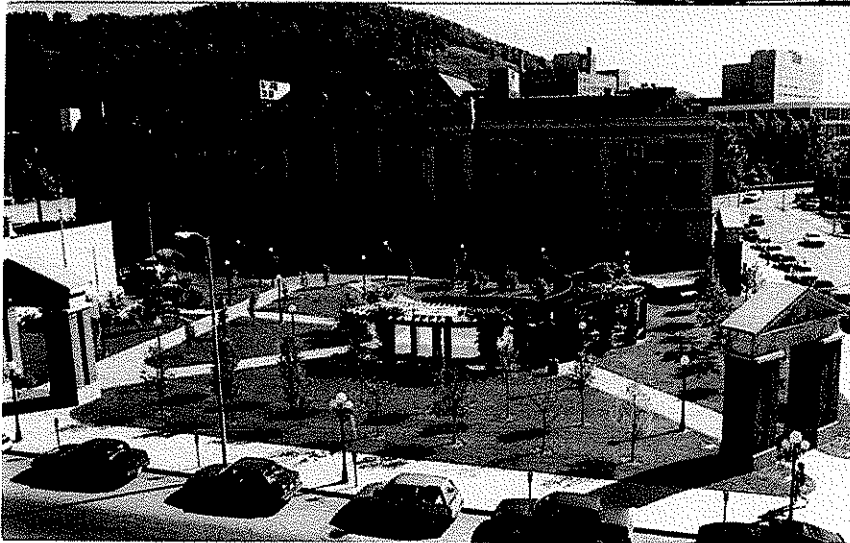


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COLLEGE SQUARE

PROJECT

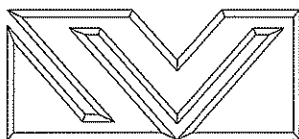
Architectural and landscape design of a new public square for West Virginia Northern Community College.

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.

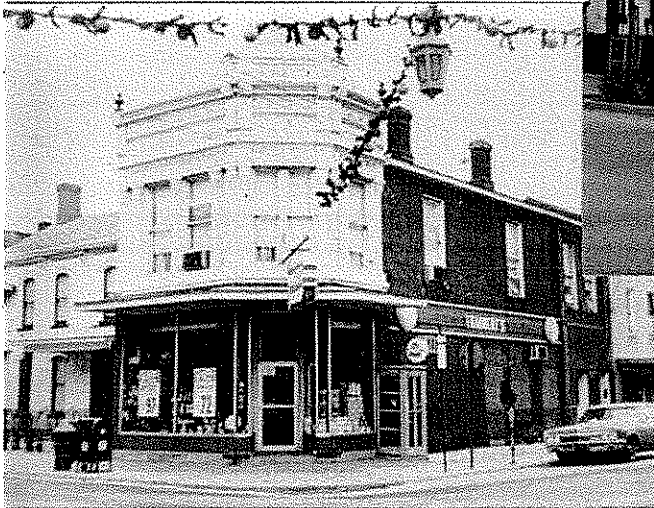


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TRAUBERT'S PHARMACY PROJECT

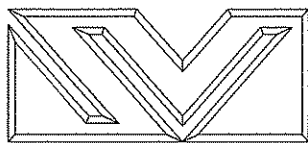
Rehabilitation of 1891 structure back to its original appearance.

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.



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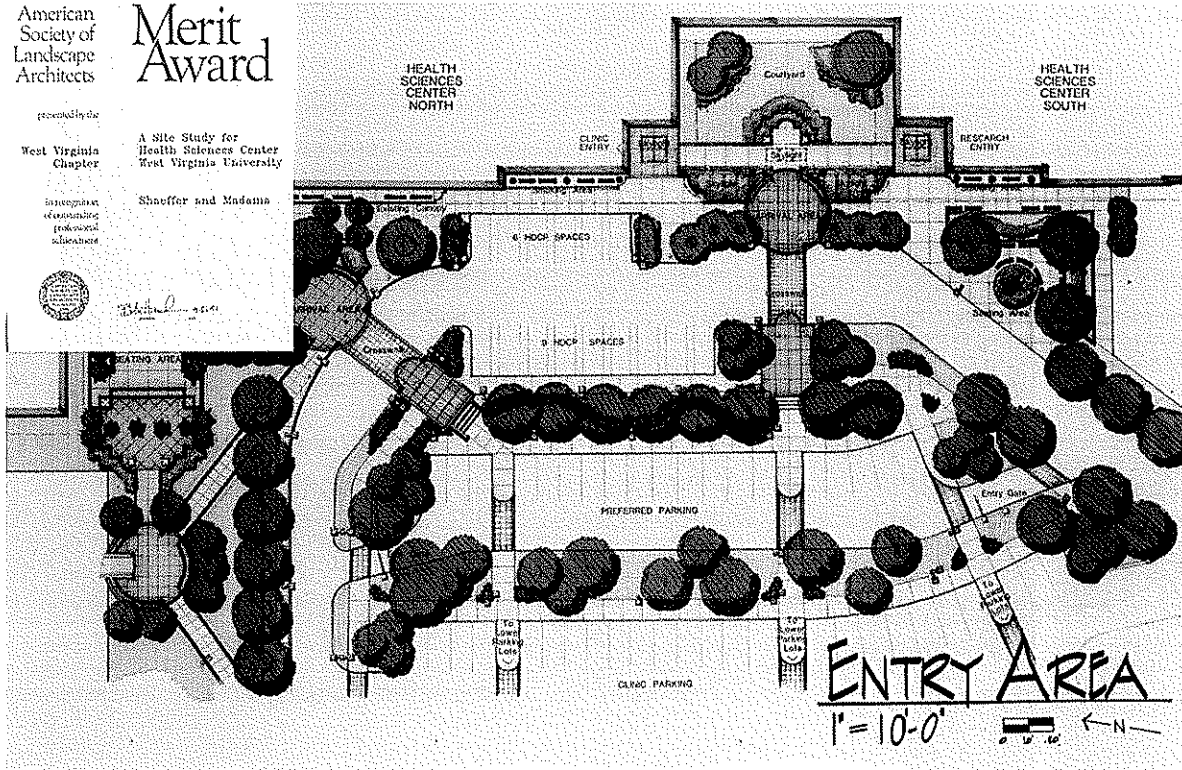
in recognition of outstanding professional achievement



A Site Study for Health Sciences Center West Virginia University

Shaeffer and Madama

Shaeffer and Madama



ENTRY DESIGN

PROJECT

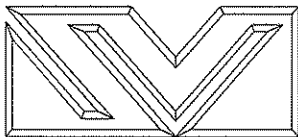
Redesign the entry area to the Health Sciences Center at West Virginia University.

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.



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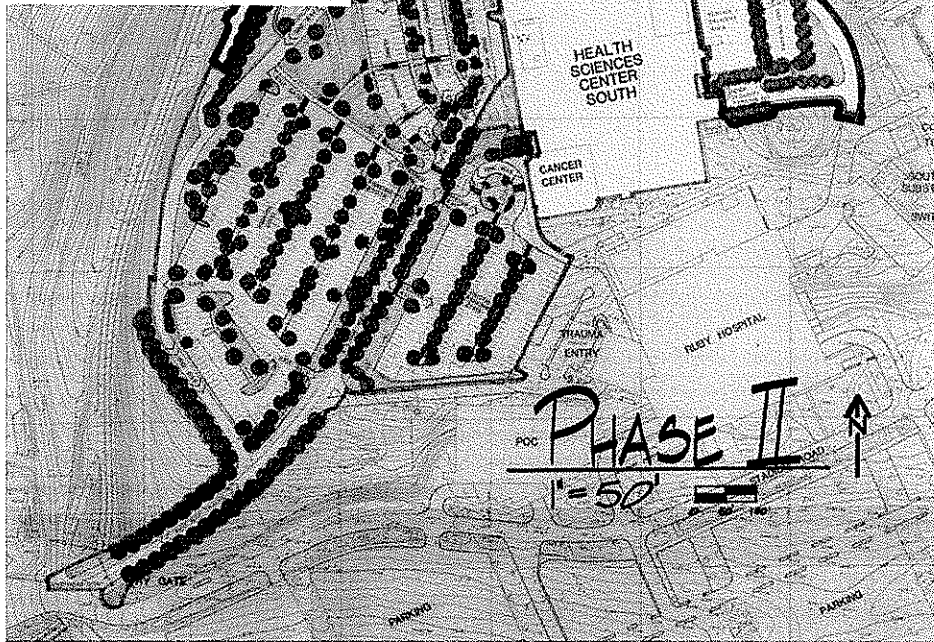
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A Site Study for
Health Sciences Center
West Virginia University

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SITE STUDY

PROJECT

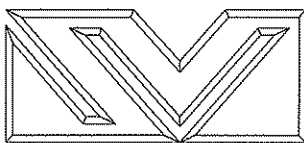
Study the vehicular and pedestrian circulation patterns, lighting, parking, site details and user safety for Health Sciences Center at West Virginia University.

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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