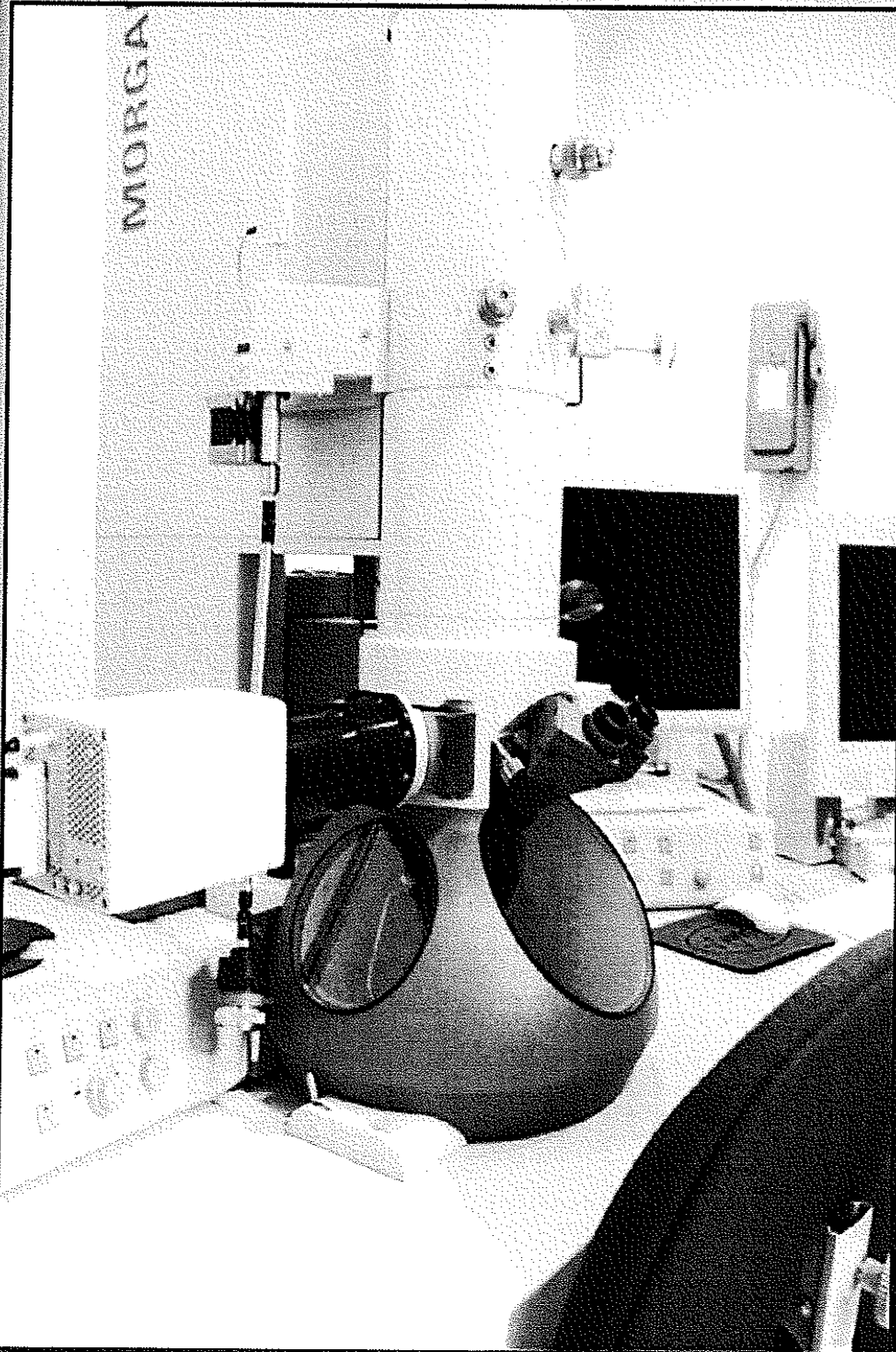




## EXPRESSION OF INTEREST

WYK Associates, Inc



### Architectural/ Engineering Services

for

*WV-DHHR Bureau  
for Public Health,  
Office of Laboratory  
Services*

Requested by:

*Buyer:  
Roberta Wagner –  
File 22  
Req#: LBS90030*

February 12, 2009

WYK Associates, Inc.  
P.O. Box 1484  
205 Washington  
Avenue  
Clarksburg, WV 26301  
304-624-6326  
[wyk@wykarchitects.com](mailto:wyk@wykarchitects.com)

HFR Design, Inc.  
Hart Freeland Roberts  
7101 Executive Center  
Drive  
Suite 300  
Brentwood, TN 37027  
615-370-8500  
[www.hfrdesign.com](http://www.hfrdesign.com)

RFQ No. LBS90030<sup>15</sup>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: WJK ASSOCIATES, INC.Authorized Signature: Will E. GolejDate: 02/11/09



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
LBS90030

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
ROBERTA WAGNER 304-558-0067

VENDOR FOR

\*709045138      304-624-6326  
 WYK ASSOCIATES INC  
 PO BOX 1484  
  
 CLARKSBURG WV 26302

SHIP TO

HEALTH AND HUMAN RESOURCES  
 BPH - LABORATORY SERVICES  
  
 167-ELEVENTH AVENUE  
 SOUTH CHARLESTON, WV  
 25303                      304-558-3530

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
01/28/2009				

BID OPENING DATE: 02/12/2009      BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
ADDENDUM NO. 1						
1. QUESTIONS AND ANSWERS ARE ATTACHED.						
2. ADDENDUM ACKNOWLEDGEMENT IS ATTACHED. THIS DOCUMENT SHOULD BE SIGNED AND RETURNED WITH YOUR BID. FAILURE TO SIGN AND RETURN MAY RESULT IN DISQUALIFICATION OF YOUR BID.						
EXHIBIT 10						
REQUISITION NO.: LBS90030						
ADDENDUM ACKNOWLEDGEMENT						
I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.						
ADDENDUM NO.'S:						
NO. 1	X					
NO. 2						
NO. 3						
NO. 4						
NO. 5						
I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.						

**RECEIVED**  
 2009 FEB 12 P 12:25  
 PURCHASING DIVISION  
 STATE OF WV

WYK ASSOCIATES, INC.	POST OFFICE BOX 1484	(304) 624-6326
	CLARKSBURG, WV 26302	FAX (304) 623-9858
	DATE: 2/4/09	PAGES: 5
	TO: KEVIN CHUTE	FAX #:
	FROM: JAMES SWAN	ATTN:
	PROJECT: WV-LAB SERVICES	MESSAGE

**WYK ASSOCIATES, INC.**  
 FEB 03 2009  
**RECEIVED**

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	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
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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  
 LBS90030

PAGE  
 2

ADDRESS CORRESPONDENCE TO ATTENTION OF  
 ROBERTA WAGNER  
 304-558-0067

VENDOR

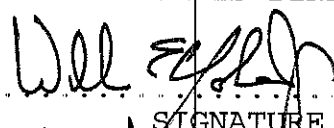
\*709045138      304-624-6326  
 WYK ASSOCIATES INC  
 PO BOX 1484  
 CLARKSBURG WV 26302

SHIP TO

HEALTH AND HUMAN RESOURCES  
 BPH - LABORATORY SERVICES  
 167-ELEVENTH AVENUE  
 SOUTH CHARLESTON, WV  
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DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B	FREIGHT TERMS
01/28/2009				

BID OPENING DATE: 02/12/2009      BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.</p> <p style="text-align: center;">             SIGNATURE            WYK ASSOCIATES INC.            COMPANY            2/11/09            DATE         </p> <p>REV. 11/96</p> <p style="text-align: center;">END OF ADDENDUM NO. 1</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
TITLE	FEIN	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  
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LBS90030

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LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	JB		906-00-00-001		
EXPRESSION OF INTEREST - ARCHITECTURAL/ENGINEERING						
***** THIS IS THE END OF RFQ LBS90030 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

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Addendum questions and comments with responses

Question: On page 5, Part, 2 1 - Location:

Change the address from:

165 11th Avenue, South Charleston, WV 25309

Response: Address to read:

167 11th Avenue, South Charleston, WV 25303.

Question: Was wondering if you might provide the size (square footage) of this project and any anticipated budget for the improvements

Response: The current hygienic lab building which was built in the early 1950s and has approximately 42,000 sq ft which would require complete renovations, with some exception of electrical and HAVC renovations which were completed in 2007. The space for new construction would be to replace space currently being leased, which is approximately 6,000 sq ft. However, our goal would be to consider plans which accommodate phasing of space into new space during renovations of the 1950s space then completion of renovations to accommodate relocation of labs and staff out of the leased space. Size of the new construction could vary depending on the efficiency of the overall project phasing. The budget for this project will be discussed with the top rank firm during negotiation.

Question: In regards to the above RFQ, can you tell me if any scientific laboratory equipment or laboratory workstations will be quoted at this time?

Response: This project could include recommendations for new equipment and workstations. It will also include space for current equipment recently leased and/or purchased

End of Addendum

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## **Table of Contents**

West Virginia Offices of Laboratory Services

- I. COMPANY OVERVIEW**
  
- II. PROJECT TEAM**
  
- III. WYK's APPROACH TO YOUR PROJECT**
  
- IV. PROJECTS**
  
- V. RESUMES**
  
- VI. CONSULTANTS**
  - i. ARCHITECTURAL LAB DESIGN SPECIALISTS**  
Hart – Freeland – Roberts (HFR Design, Inc.)
  
  - ii. CIVIL / GEOTECHNICAL ENGINEERING**  
GAI Consultants
  
  - iii. STRUCTURAL ENGINEERING**  
Allegheny Design Services
  
  - iv. HVAC / ELECTRICAL / PLUMBING**  
ZDS Design / Consulting Services
  
- IX. REFERENCES**



**Company Overview**  
WYK Associates, Inc.





associates, inc  
architecture  
planning

**William E. Yoke, Jr., AIA – President**  
**James B. Swiger, AIA – Vice President**



### **Who We Are:**

- WYK Associates, Inc. is a six-person architectural and planning firm serving a wide variety of commercial, religious, educational, civic and industrial clientele. The firm has its roots in North Central West Virginia dating back to the early twentieth century. Our archives are filled with much of this historic work.
- Mr. William Yoke, president of the firm, assumed that role in 1996. He has been a partner with the company since 1974.
- James Swiger, joined the firm in 2005 and became a principal and vice president in 2008.



### **Our Project Philosophy:**

- Through collaboration with engineering consultants we address the needs and schedule requirements of each client.
- We provide thorough planning in all areas of each project to fit the individual requirements for a positive impact on both the natural and built environments. Energy conservation and product safety are very important concerns.
- Our client's requirements for quality, service and value are the driving force behind each decision. Open communication and teamwork are our guide words for each project.



### **Project Management:**

- We carefully evaluate the client's program, design concerns, budget, funding sources, and other available data to assure a clear understanding of each project.
- We incorporate input from our client and consultants to establish the budget and schedule. These facets are updated during each stage of project development to insure our client's parameters are met.
- WYK's principals engage and manage the entire project team, from concept through occupancy. WYK Associates, Inc. has an outstanding reputation for providing construction administration services along with maintaining an excellent rapport with contractors.



**WYK**

associates, inc  
architecture  
planning

**Project Team**

WYK Associates, Inc.



**Project Team**  
West Virginia Offices of Laboratory Services

**ARCHITECTURE**

**WYK Associates, Inc.**

205 Washington Avenue  
P.O. Box 1484  
Clarksburg, WV 26301  
(304) 624-6326  
(304) 623-9858 fax  
[bill@wykarchitects.com](mailto:bill@wykarchitects.com)

**HFR Design, Inc.**

7101 Executive Center Drive, Suite 300  
Brentwood, TN 37027  
615-370-8500  
[ehouk@hfrdesign.com](mailto:ehouk@hfrdesign.com)

**CIVIL / GEOTECHNICAL ENGINEER**

**GAI Consultants**

Charleston Office  
500 Summers Street, 3<sup>rd</sup> Floor  
Charleston, WV 25301  
(304) 926-8100  
(304) 926-8180  
[d.gilmore@gaiconsultants.com](mailto:d.gilmore@gaiconsultants.com)

**STRUCTURAL ENGINEER**

**Allegheny Design Services, Inc.**

102 Leeway Street  
Morgantown, WV 26505  
(304) 599-0771  
(304) 599-0772 fax  
[dave@alleghenydesign.com](mailto:dave@alleghenydesign.com)

**HVAC / ELECTRICAL / PLUMBING ENGINEER**

**ZDS Design / Consulting Services**

91 Smiley Drive  
St. Albans, WV 25177  
(304) 755-0075  
(304) 755-0076 fax  
[ZDSDesign@aol.com](mailto:ZDSDesign@aol.com)





## Team Organization Chart

West Virginia Offices of Laboratory Services

West Virginia DHHR, Bureau for Public Health, Office of Laboratory Services



**Principal In-Charge**  
William E. Yoke, Jr., AIA

Architecture

Consultants

**Lab Design/Programming**  
Ed Houk, AIA  
John Coke, AIA, CSI  
HFR Design, Inc.

**Civil / Geotechnical Engineer**  
James Hemme, P.E.  
GAI Consultants

**Bldg. Design / Construction Administration**  
James B. Swiger, AIA

**Structural Engineer**  
David R. Simpson, P.E.  
Allegheny Design Services

**Construction Documents**  
Kevin Caudle, AIA  
Stephen M. Kelley, Associate AIA

**HVAC / Electrical / Plumbing Engineer**  
Todd A. Zachwieja, P.E.  
ZDS Design / Consulting Services

**Construction Period Services**  
Staff as Required



**WYK's Approach to Your Project**  
WYK Associates, Inc.

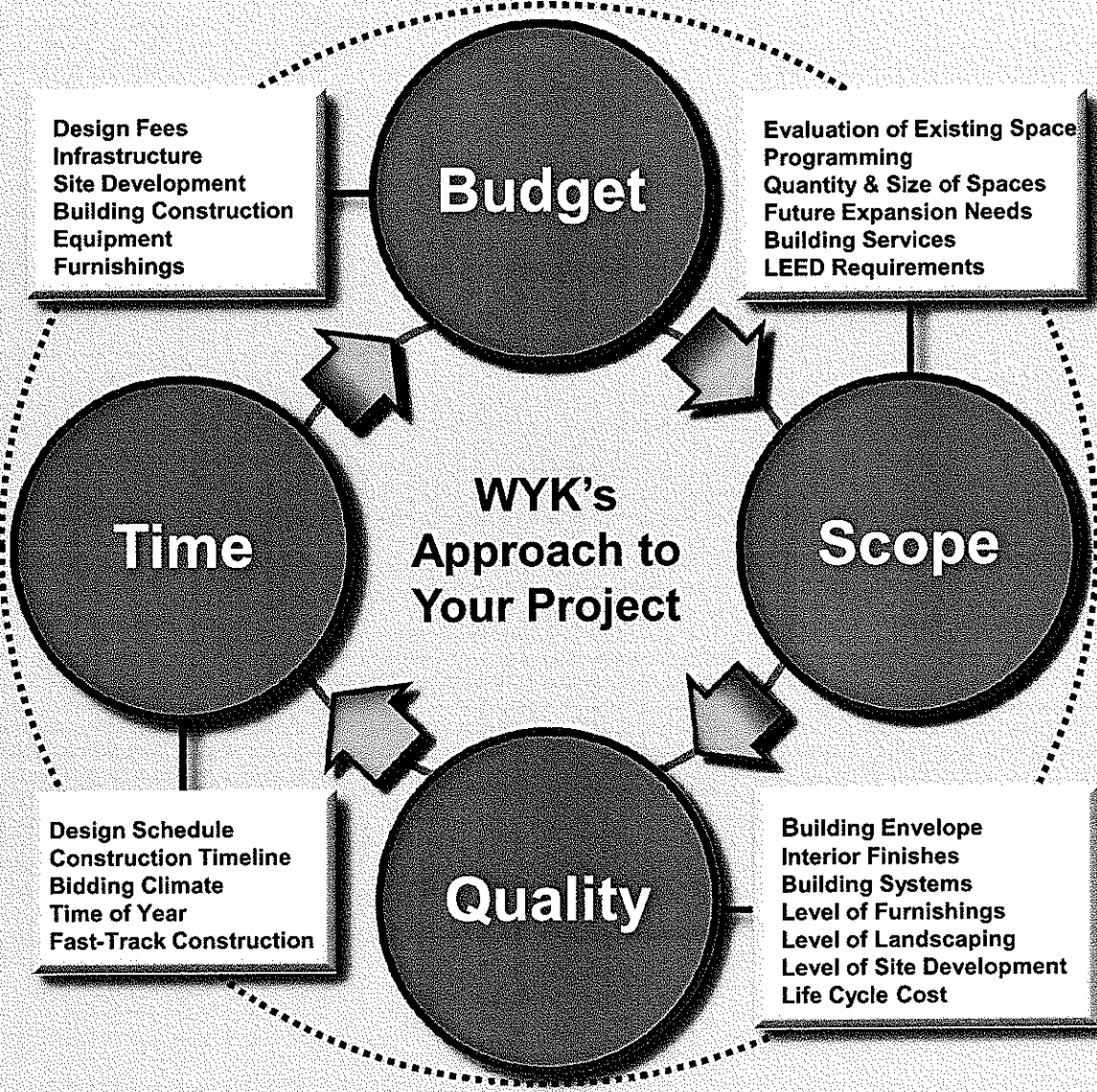




# WYK's Approach to Your Project

Doddridge County Elementary School

## Architecture is a Balancing Act.....



.....A Change In One Affects the Others





**Projects**  
WYK Associates, Inc.







## Recent Renovation Projects

WYK Associates, Inc.

- 2008
- Harrison County Schools – Doors, Frames & Hardware replacement
  - Edward Jones Investment Offices – Office Remodel
  - United Technical Center – Roof and Fascia Replacement
  - VA Medical Center – IT Room Renovations
  - Barbour County Courthouse – Entry Renovations
  - Harrison County Schools – Adamston Elementary School Window Replacement
  - Harrison County Schools – Concrete Renovation at Gore and Liberty Schools
  - Harrison County Schools – WI Middle School Flooring Renovation
  - Harrison County schools – Interior Hardware Replacement
  - Elkins Middle School – Complete Systems Renovation
  - United Hospital Center – CCCC Building Entry Renovation
  - Momen Office Building – Renovations for General Services Administration
- 2007
- World Vision Warehouse – Office Renovations
  - Gore Hotel Office Building – Renovations for Criss Cross Services
  - Harrison County Schools – Entries and Hardware Replacements
  - South Harrison High School – Window Replacement
  - VA Medical Center – Southwest Entry Renovation
  - VA Medical Center – Sixth Floor Solarium Renovation
  - VA Medical Center – Northwest Entrance and Multi-Purpose Room
  - WV Auditor's Office – Electrical Renovations
  - VA Medical Center – Canteen Building and Patio Exterior Drainage Renovations
  - VA Medical Center – Second Floor Laboratory Renovation
  - Monongalia General Hospital – Orthopedic Ward Renovation
  - Citizens National Bank of Elkins – Lobby Renovation
  - Lincoln High School – Heating, Ventilation and Cooling Renovation
  - VA Medical Center – Complete Facility Electrical Renovation
- 2006
- Fairmont State University – Gabor Folklife Center Renovation
  - Bridgeport Public Library – Children's Center Renovation
  - Harrison County Schools – Kelley Miller Building Exterior Renovation
  - Corhart Refractories, Inc. – Men's Locker Room Renovation
  - South Harrison High School – Roof Replacement
  - Ten Mile Baptist Church – Sanctuary Renovation
- 2005
- Young Morgan & Cann Attorneys – Office Renovation
  - Davis Memorial Hospital – Surgical Suite Renovation
  - Bridgeport United Methodist Church – Kitchen Renovation
  - Raleigh County Community Action – Office Renovation
  - Association for Retarded Citizens – Office Renovation
  - North View Fire Substation – Renovation from a Former Warehouse
  - Colonial Place Assisted Living – Renovations for Alzheimer Unit
  - Shinnston Museum – Renovations
  - West Milford Elementary School – Roof Replacement
  - Bridgeport High School – Heating, Ventilating and Cooling Renovation
  - Carmichael Building – Abatement and Demolition Project
  - Corhart Refractories, Inc. – Women's Locker Room Renovation
  - Lockhead Martin Aeronautics Company – Renovations
  - Doddridge County Middle and Elementary Schools – Entry/Security Renovations
  - United Technical Center – Fire Alarm

# UUYK

associates, inc  
architecture  
planning

## Huntington Bank Operations Center Technology Park, Fairmont, West Virginia

### Huntington Bank Operations Center

Size: 17,000 S F

Designed and built to meet the demands of increasing technology in the banking industry, this state of the art facility has continued to change with the needs of today's commerce. The site along Interstate 79 was selected to promote Huntington Bank's regional thrust of growth and to allow the bank to consolidate many in-house banking operations. As functions were further consolidated to their Ohio headquarters, Huntington sold this facility.

The facility's operating systems were designed to allow maximum flexibility of office configuration. Both security and networked computer operations within have been expanded. This sustainability was one of the project's goals. Today the Center accommodates the technology requirements of the FBI, who is its current tenant.

Addressing the wetland issues of this highly visible location created a positive feature, which also enhances security. Parking and service areas are maximized by the building's careful site selection.



# UWK

associates, inc  
architecture  
planning

## West Virginia Army National Guard Fixed Wing Training Site

North Central WV Airport, Bridgeport, West Virginia

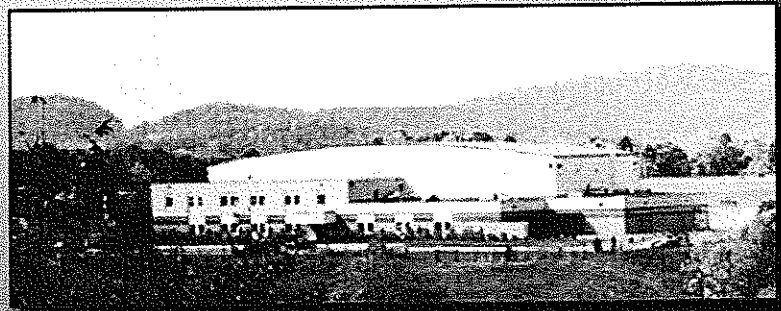
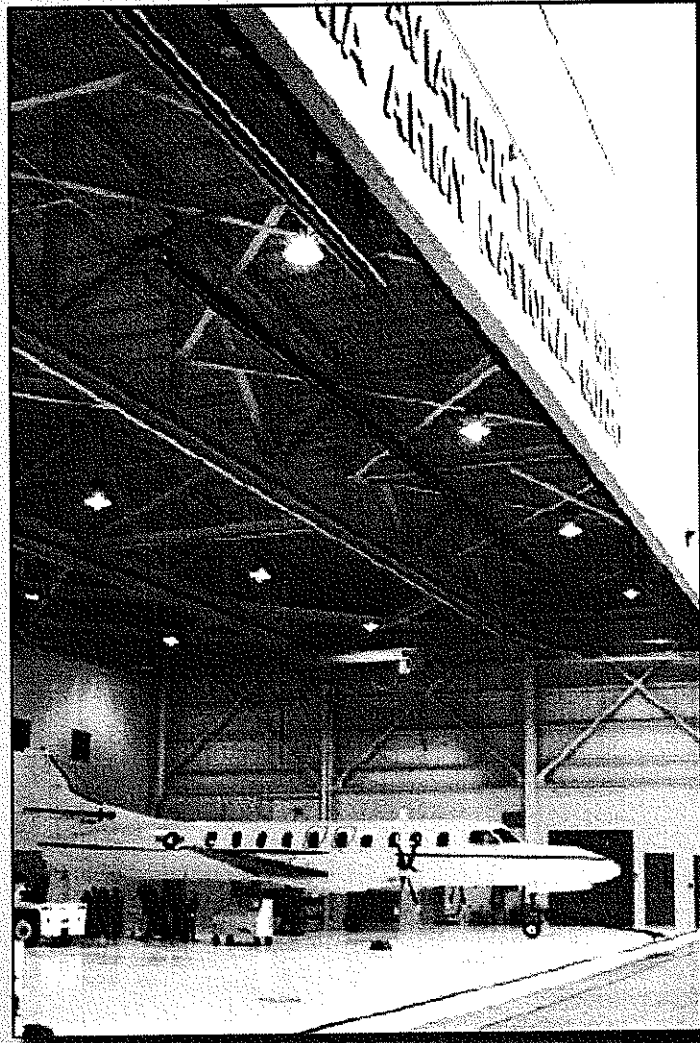
### West Virginia National Guard Armory Board

Size: 37,000 S F

With Sponsorship from Senator Robert C Byrd, the West Virginia National Guard established the state of the art personnel training facility totaling \$6.4 million in construction costs in 1996. Here students and instructor pilots from the fifty states and Guam train and certify on three different types of transport aircraft.

A wide hangar and an innovative hangar door system allow quick access to any one of five airplanes without disturbing other aircraft. Each aircraft has a dedicated manufacturer's support and maintenance team with their own work space. The two story masonry annex accommodates administration staff, instructor pilots, and instruction/simulator rooms.

The hangar proper is a steel frame structure with a clear span of the entire 210 foot hangar width. A prefinished insulated metal wall system with translucent thermal panels provides glare-free natural light with little or no maintenance. This was a part of the project's energy cost containment plan.







associates, inc  
architecture  
planning

## West Virginia Air Center

North Central WV Airport - Bridgeport, West Virginia

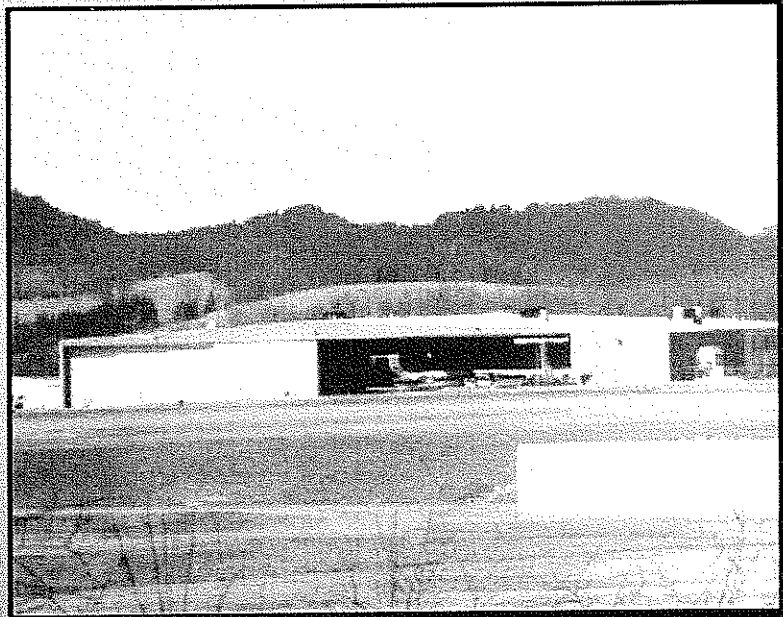
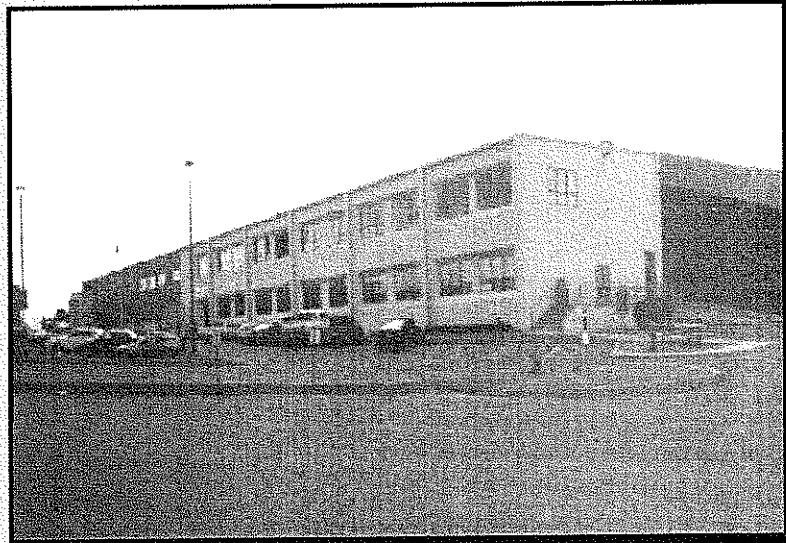
### West Virginia Air Center

Size: 146,000 S F

The building designed for the West Virginia Air Center is now occupied by Bombardier Services America Corp. The facility houses a complete aircraft maintenance facility which services mid-sized airplanes for both private airlines and the military. The building features four large aircraft maintenance bays which can accommodate up to a dozen aircraft for all types of maintenance and retrofit services.

The center has shops to support all phases of aircraft maintenance including interior finishes, composite materials, avionics and electronics and machine tooling. One bay is specifically designed for the removal and application of paint, and the building has state of the art fire protection and hazardous material collection systems. The modern office and support facilities offer unique views of the maintenance bays, and afford all employees an opportunity to observe the extensive and detailed work as the airplanes are torn down and rebuilt.

The project was completed in just over 14 months using a fast track construction management approach. The construction manager, all contractors, the owners representatives and the design team worked very closely to assure that all project milestones were met, and that the facility met all the detailed criteria for certification as an aircraft maintenance facility.





# UUYK

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planning

## Broaddus Hospital Philippi, West Virginia

### Broaddus Hospital

Size: 45,000 S F

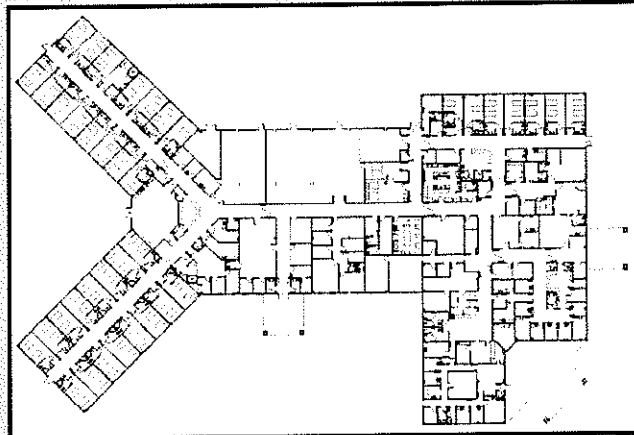
In 1999 this "new Broaddus Hospital" replaced a large outdated 1950's era facility located on the Alderson-Broaddus College Campus. The facility was relocated to a more accessible and functional site off campus, providing a more visible profile, ample parking and more direct access from highways for emergency services.

The new hospital is a model for rural primary care facilities, providing a multi-function building compliant with current standards and is designed to address the modern needs of the smaller community.

The scale, massing and materials are considerate of the rural setting of the building and they enhance the residential nature of the long term care facility component, where providing familiar imagery is a key conceptual element.

The Services provided include:

- Rural Health Clinic
- Specialty Clinic
- Emergency Room
- 12 Acute Care Beds
- 60 Long Term Care Beds
- Laboratory
- Pharmacy



# UWK

associates, inc  
architecture  
planning

## Davis Memorial Hospital – Cancer Center Elkins, West Virginia

### Davis Memorial Hospital Cancer Center

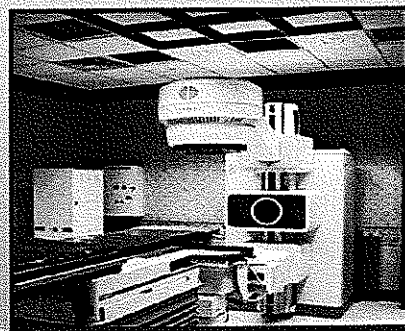
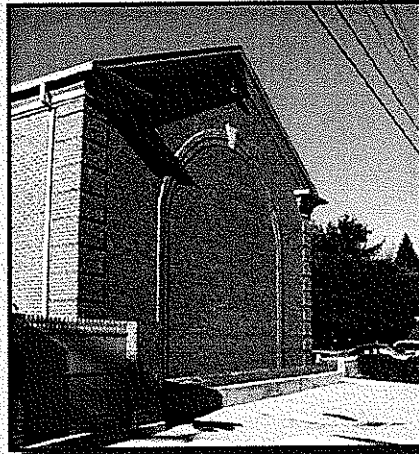
Size: 4,200 S F

**CONSULTANT:**  
Andrew G Bukovitz  
Radiological Physics Service,  
Inc

Designed as an integral part of an existing hospital campus, this Cancer Treatment Center uses materials and massing similar to surrounding buildings. Masonry quoins add interest to the building's simple footprint

The client's goal was to combine nuclear and experimental medicine with an intimate, residential atmosphere to promote maximum healing. Interior finishes and furnishings soften the medical setting.

Access is paramount for both the patient and their caregivers, who await them during treatment. The porte-cochere features a stilted round arch with contrasting keystone, which is repeated in a reduced scale for the entry. The flat arches of the windows also use the contrasting keystone. The buildings' masonry back wall, which is visible from other hospital campus facilities, exhibits the same stilted arch with contrast detail as a detail in the masonry.





# WYK

associates, inc  
architecture  
planning

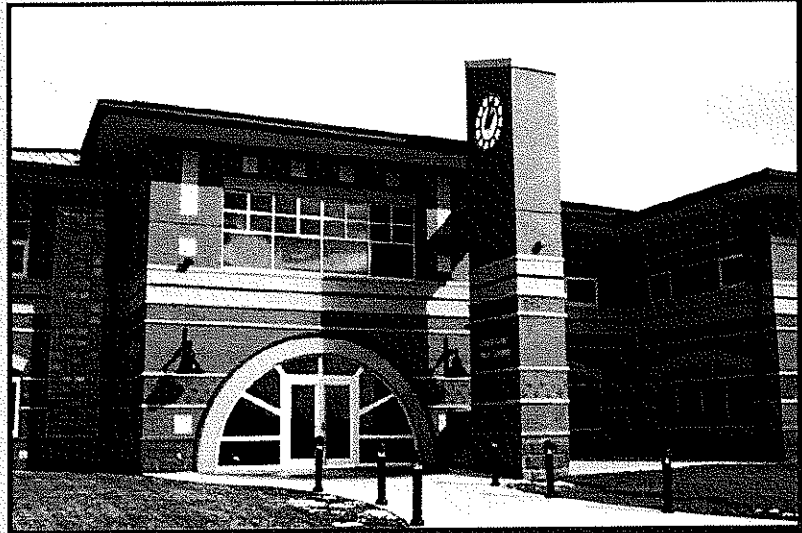
## Christie-Cutlip Office Complex Bridgeport, West Virginia

### Christie-Cutlip Office Complex

Size: 12,000 S F

Jim Christie and David Cutlip entrusted WYK to design a new office building for their business in the new prestigious Charles Pointe Development directly off the I-79 Technology Corridor. Their location is highly visible from the Harrison-Marion Airport and the I-279 connector to the airport. The client wanted a distinguished and comfortable modern design that incorporates historic/traditional architectural features.

The welcoming arched entry of the structure is flanked by a distinguished soaring clock tower to give the building presence within its surroundings. The brick complex is wrapped with intricately detailed ribbon bands that reflect a common building practice of yesteryear. Dark tinted aluminum storefront windows provide views to the majestic surrounding hills and the arriving and departing aircraft. These energy efficient windows provide contrast to the brick textures while reducing heat gain and glare within the offices. The large overhangs provide protection to the façade from the elements as well as reduce direct heat gain in summer months.



# UUYK

associates, inc  
architecture  
planning

## Information Manufacturing Corporation Cowen, West Virginia

### Information Manufacturing Corporation (I M C)

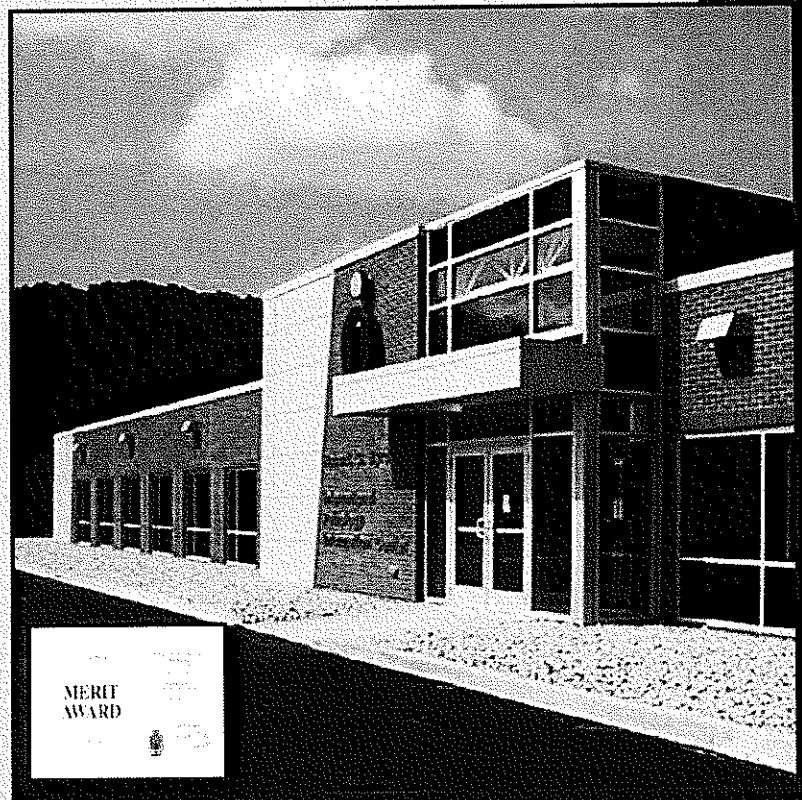
Size: 18,000 S F

With Sponsorship from Senator Robert C. Byrd, the Webster County Development Authority commissioned this "state of the art" facility to house Information Manufacturing Corporation's regional operations. This company transforms data into business intelligence and manages electronic data for government agencies.

The facility embraces a "hi-tech" image through expressions of form and materials. Extensive use and thoughtful composition of architectural metal panels, large glazed panels, and geometric proportioning of the brick masonry are integral to the building's character. The concept of manufacturing information guided the functional interpretation of the building's interior. Demands of the company's activities dictated large, ultra-flexible spaces defining the majority of the form. The building combines this square footage with smaller spaces for offices, secure storage spaces and conference areas.

Much consideration was given to employing user-friendly materials and creating environments whose focus was on the comfort of the users. Strategies range from indirect lighting in data processing areas, to creating exterior views from virtually every workstation.

The important notion of sustainability is addressed through use of recycled steel, regional materials, and an innovative geothermal heat pump heating and cooling system.



MERIT  
AWARD

2007 AIA-West Virginia - Merit Award for Design Excellence





# West Union Bank – Newpointe

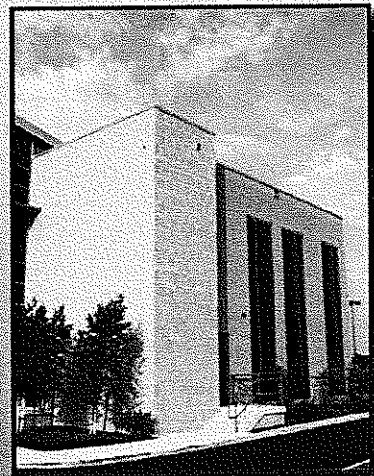
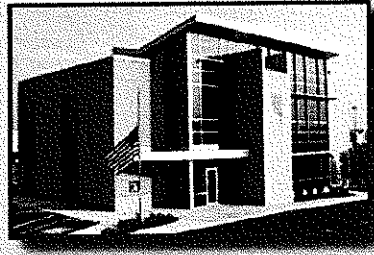
Clarksburg, West Virginia

West Union Bank - Newpointe  
Size: 9,000 S F

The West Union Bank entrusted us to design a branch in a new market area. Their location, in the middle of a major commercial development along Interstate I-79, presented several challenges. The client wanted a distinct design that would stand out among its neighbors, who are primarily restaurant & retail businesses. The primary building elevation faces on the main road, while the access point is from a frontage road 'behind the building.

The design uses a combination of glass curtain wall with brick and monumental masonry units to present a very contemporary image. The building is sited to separate drive-thru and walk in traffic and create a comfortable, safe traffic pattern. Because of the building orientation, the glass elevations require the use of solar glazing and a brise soleil system to reduce heat gain and glare in the offices.

Construction began in October of 2004 and the Owner took occupancy in August 2005.



2007 AIA West Virginia Merit Award for Design Excellence



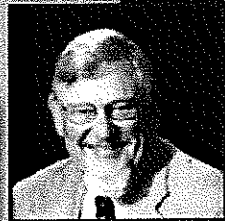


**Resumes**  
WYK Associates, Inc.





**William E. Yoke, Jr., AIA, NCARB**  
 President & Principal In-Charge



**EMPLOYMENT SUMMARY**

WYK Associates, Inc.	1978 - Present
WYK Architects	1974 - 1978
Whalen L. King, Architect	1973 - 1974
United States Navy	1969 - 1973
Giese Engineering	1968 - 1969

**EDUCATION**

Bachelor of Science – Pre-Architecture - 1968  
 Clemson University  
 Clemson, South Carolina

**ARCHITECTURAL REGISTRATION**

West Virginia	(Registration # 1566)
Virginia	(Registration #401-009314)
Maryland	(Registration #10172)
Pennsylvania	(Registration #RA-014502)
National Council of Architects	(Registration #23448)

**PROFESSIONAL AFFILIATIONS**

American Institute of Architects  
 National Council of Architectural Registration Boards (NCARB)  
 NCARB – Licensing Examination Committee  
 AIA-West Virginia – Two Term Past President  
 Past Chairman of Region II of NCARB  
 AIA-West Virginia Scholarship Committee  
 Fairmont State University – Architectural Technology Program – Advisory Committee  
 West Virginia Board of Architects – Three Term Past President (Current Member)

**CIVIC AFFILIATIONS**

Harrison County Chamber of Commerce – Past Board Member  
 Long Time Member of the Madrigal Singers of Clarksburg  
 Vice President of Civil War Roundtable – Local Chapter  
 Long Time Contributor to the United Way of Harrison County, Inc.

**HONORS & AWARDS**

2008 Chairman’s Award– Harrison County Chamber of Commerce  
 2008 Merit Award in Architecture from AIA-West Virginia for the West Pike Street Parking Facility in Clarksburg, WV (Co-Design Architect)  
 2007 Merit Awards in Architecture from AIA-West Virginia for the following:  
 West Union Bank at Newpointe, Clarksburg, WV  
 Information Manufacturing Corporation in Cowen, WV

**Selected Projects**

- Peterson-Central Elementary School**  
Weston, WV
- West Union Branch Bank**  
Clarksburg, WV
- Harrison County Banks**  
Clarksburg, Bridgeport & Nutter Fort, WV
- West Milford Elementary School Addition**  
West Milford, WV
- Salem Elementary School Addition**  
Salem, WV
- Bridgeport Public Safety Building**  
Bridgeport, WV
- Information Manufacturing Corporation**  
Cowen, WV



**James B. Swiger, AIA, NCARB**  
Vice President & Principal



#### EMPLOYMENT SUMMARY

WYK Associates, Inc	2005 - Present
Blackwood Associates, Inc.	2000 - 2005
Gegner Architects	1997 - 2000
WYK Associates, Inc.	1996 - 1997

#### EDUCATION

Bachelor of Architecture -1996  
University of Tennessee  
Knoxville, Tennessee

#### ARCHITECTURAL REGISTRATION

West Virginia	(Registration # 3640)
National Council of Architects	(Registration #58982)

#### PROFESSIONAL AFFILIATIONS

American Institute of Architects  
AIA-West Virginia – Director 2010 – Board of Directors  
AIA-West Virginia ABC Pilot Program - Charter Member  
National Council of Architectural Registration Boards  
National Trust for Historic Preservation

#### CIVIC AFFILIATIONS

United Way of Harrison County, Inc. – Board of Directors & Grants Committee  
Kiwanis Club of Clarksburg – 2008/2009 President  
Clarksburg Elks Lodge  
Harrison County Chamber of Commerce - Education Committee  
Salem Elementary School Nature/Fitness Trail – Project Manager  
Salem International University Auxiliary

#### HONORS & AWARDS

2008 Volunteer of the Year – Harrison County Chamber of Commerce  
Selected "Generation Next: 40 Under 40" by the West Virginia State Journal in 2008  
2008 Strathmore's Who's Who Worldwide Recipient  
2008 Merit Award in Architecture from AIA-West Virginia for the  
West Pike Street Parking Facility in Clarksburg, WV (Co-Design Architect)

#### Selected Projects

**Christie-Cutlip Office Complex**  
Charles Pointe, Bridgeport, WV

**West Pike Street Parking Facility**  
Clarksburg, WV

**Bank of Gassaway**  
Flatwoods, WV

**Philippi Elementary School Addition**  
Philippi, WV

**City of Ripley Municipal Building**  
Ripley, WV

**Stonewall Resort Lodge**  
Roanoke, WV

**New Pickens School**  
Pickens, WV



**Stephen M. Kelley, Associate AIA**  
Project Manager



**EMPLOYMENT SUMMARY**

WYK Associates, Inc	2007 - Present
Blackwood Associates, Inc.	2002 - 2007
Kurtz Construction	1999 - 2001
Philadelphia University	1996 - 2000
Athletic Department	
Eagle Lodge	
Golf and Conference Center	1997

**EDUCATION**

Bachelor of Architecture - 2000  
Philadelphia University  
Philadelphia, Pennsylvania

**PROFESSIONAL AFFILIATIONS**

American Institute of Architects  
AIA-West Virginia – Associate Member

**CIVIC AFFILIATIONS**

Salem Area Chamber of Commerce – Board of Directors  
Harrison County Development Authority – Board of Directors  
Fort New Salem Foundation – Board of Directors  
VFW Post 9151- Trustee & Lifetime Member

**HONORS & AWARDS**

Salem Area Chamber of Commerce 2006 Member of the Year  
AIA-West Virginia Student Design Competition 1995 - Second Place  
U.S Army Awards:  
Army Achievement Medal  
Reserve Component Achievement Medal  
National Defense Service Medal  
Global War of Terrorism Expeditionary Metal  
Armed Forces Reserve Medal  
Army Service Ribbon  
Reserve Components Overseas Training Ribbon

**Selected Projects**

**Harrison County Schools  
Entries & Hardware  
Replacement**  
Clarksburg, WV

**United Hospital Center's  
CCCC Building  
Entry Replacement**  
Clarksburg, WV

**Bank of Gassaway**  
Flatwoods, WV

**Renovation to  
Johnston School  
Industrial Home of Youth**  
Salem, WV

**Multi-Tenant Building  
for the  
Braxton County  
Development Authority**  
Flatwoods, WV

**New Veterans' Nursing  
Home Facility at  
Louis A. Johnson  
Veterans Hospital**  
Clarksburg, WV





**Consultants**  
WYK Associates, Inc.

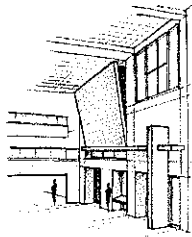


# History

*"We are what we repeatedly do. Excellence, then, is not an act, but a habit "*

*Aristotle*

Known today for successful projects all across America and a resulting national reputation for excellence, Hart Freeland Roberts, Inc traces its origins to Nashville, Tennessee. There, in 1910, architect Russell Hart arrived from New York to design the famed Hermitage Hotel, an enduring landmark in the city.



At about the same time, engineers F. Eugene Freeland and Martin Smith Roberts went into practice together in Nashville. While involved in separate companies, the three men worked collectively on various projects before joining forces in 1920 to form one of Tennessee's first architectural - engineering firms, Hart Freeland Roberts, Inc.

The firm made its initial reputation by designing several significant buildings and other structures that remain an important part of

Nashville's history and culture. And it was not long before word of the partners' proficiency began to spread, leading to commissions elsewhere. In 1936 the branch office in Jackson, Tennessee was established to facilitate work in the western part of the state. As the geographical reach extended, so did the range of services offered by the company.

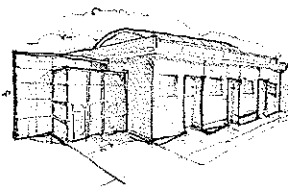
Soon roadways, schools, and hospitals were among the firm's portfolio.

As the years went by and Hart Freeland Roberts' client base continued to become national in nature, it became evident that a Mid-America location would be advantageous in serving the entire U.S. An additional impetus for this idea came in the late 1980s when the firm was chosen to design several hospitals and medical arts buildings in the country's heartland. So, in the spring of 1992, HFR opened its Mid-America office in Kansas City, with the first major project being the innovative St. Joseph Medical Mall.

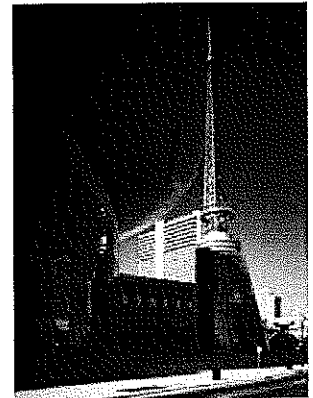


As the 21st century unfolds, Hart Freeland Roberts continues to expand with an office in Louisville, KY.

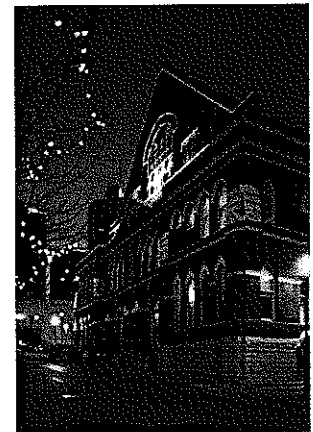
Today, Hart Freeland Roberts' four offices are staffed by a combined 86-plus professionals including 17 registered architects plus engineers, interior designers, and surveyors who serve an ever-expanding list of clients all across America. Many of those clients are repeat customers, and they include government agencies at the federal, state, and local levels, private businesses and corporations, educational institutions, religious organizations, health care providers,



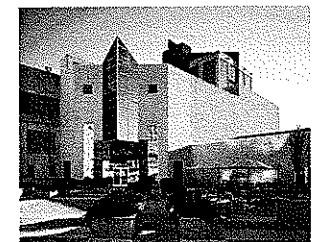
medical research organizations, libraries, utility companies, and many other entities who are seeking excellence in design and client service.



Sommet Center



Ryman Auditorium



Lifeway Christian Resources



# Services

## Architectural

Access Control  
 ADA Assessment  
 Budget Analysis  
 Codes Analysis  
 Computer Animation  
 Construction Cost Estimating  
 Contract Documents  
 Contract Administration  
 Equipment Coordination  
 Facility Management  
 LEED™ Programming  
 Life Safety Design  
 Master Planning  
 Schedule Development  
 Space Programming



## Interior Design

Art work Coordination  
 Contract Documents  
 Equipment Coordination  
 Facility Analysis  
 Facility Management  
 Furniture and Accessories  
 Interior Architectural Design  
 Project Specifications  
 Relocation Phasing  
 Space Planning  
 Space Utilization Studies  
 Systems Coordination  
 Way Finding Planning

## Project Management

Bid Management  
 Budget Planning  
 Contract Negotiation /Management  
 Equipment Planning  
 Facility Startup  
 Feasibility Studies  
 Proposal Preparation  
 Purchase Planning  
 Warranty Coordination



## Engineering

Bridge Design  
 Civil Engineering  
 Construction Staking  
 Contract Administration  
 Contract Documents  
 Cost Estimating  
 Environmental Engineering  
 Facility Analysis  
 Life Safety Design  
 Performance Documents  
 Project Organization  
 Project Specifications  
 Regulatory Coordination  
 Roadway Design  
 Sanitary Sewer Design  
 Schedule Coordination  
 Water Distribution Systems  
 Water Treatment Plant Design

Site Engineering  
 Site Analysis  
 Site Design  
 Storm Water Handling Facilities  
 Structural Design  
 Surveying, Boundary & Topographical  
 Systems Design

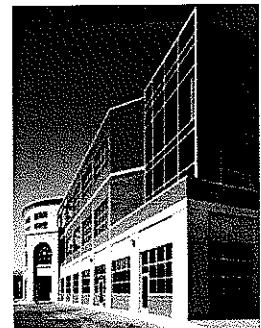
## Planning

Budget Development  
 Campus Master Planning  
 Capital Programming  
 Community Relations  
 Covenant Development  
 Equipment Planning  
 Facility Programming  
 Grant Development  
 Graphic Master Plan  
 Impact Area Analysis  
 Land Use Planning  
 Life Safety and Codes Planning  
 Market Segmentation  
 Site Planning  
 Space Programming  
 Transportation Planning  
 Urban Planning  
 Value Engineering  
 Zoning Development



## Hart Freeland Roberts, Inc.

HFR offers a full range of architectural /engineering services. Professional design services include architectural and interior design, civil, environmental and structural engineering, surveying, and planning.



Other areas of expertise include market research, master planning, feasibility studies and project programming. With a resume of project experience spanning over 97 years, HFR offers a broad spectrum of services with technical design expertise in the following markets:

- Municipal / Civic
- Commercial / Retail
- Healthcare
- Research Laboratories
- Educational
- Industrial
- Parks & Recreational
- Religious / Church
- Correctional
- Transportation
- Environmental
- Structural





Hart Freeland Roberts, Inc.,  
7101 Executive Center Drive, Suite 300  
Brentwood, TN 37027  
Phone (615) 370-8500  
Fax (615) 370-8530

## Ed Houk, AIA

### Senior Vice President



Ed Houk, AIA, Sr. Vice President of HFR, has over 30 years of experience as an architect. During the past 23 years he has focused on the design of various types of labs and related support areas. He has served as the hands-on principal-in-charge, designer, and client contact on over 200 projects at Vanderbilt University Medical Center, Meharry Medical College, Aegis Science Corporation, and VA Medical Centers in Nashville & Memphis. These projects include various types of labs, including clinical & research labs, 10 BSL III labs, administration and support spaces, and animal housing with related support areas such as cage washers, tunnel washers, etc. They range in size from 500 SF BSL III labs to 20,000 SF in the VA Clinical Lab, to a 74,000 SF Animal Care addition. He understands the coordination required with specialized equipment such as cryo-electron microscopes, robotics, cell sorters, etc.

**Labs toured:** ASU Biodesign Institute, ASU Interdisciplinary Science & Technology Building II, Translational Genomics Research Institute, Phoenix; NAU Applied Research & Development, Flagstaff, AZ. Whitehead Biomedical Research Ctr at Emory University; Novartis Institutes for Biomedical Research; MIT Brain & Cognitive Science Project; Harvard Bauer Laboratory and Naito Chemistry Building; Astra Zeneca, Boston; Dreyfus Chemistry Labs, MIT; Stata Center, MIT; Salk Institute, La Jolla; Boston Biomedical Research Institute; Stokes Lab, NIH, Biosquare III; Center for Life Science. Boston.

#### REPRESENTATIVE PROJECTS:

Aegis Sciences Corporation,  
Nashville, TN  
Ren. of 515 Great Circle Dr  
into Forensics Testing Labs  
Meharry Medical College,  
Nashville, TN  
BSL III Lab  
Research Building Upgrades  
VA Medical Center, Nashville  
Clinical Lab with BSL III  
Primary & Specialty  
Expansion w/Pharmacy  
VA Medical Center, Memphis  
VMU & Research Lab  
Upgrades

Vanderbilt University  
Hospital, Nashville, TN  
Blood Bank, VUH  
Central Pharmacy

Vanderbilt University  
Medical Center,  
Nashville, TN

Research Labs:  
Adolescent Psychiatric Bldg -  
Forensics Testing Lab  
Anatomical Sciences  
Anesthesiology  
Arthritis Center  
Biochemistry Lab Renovation  
Biosafety Level III Labs  
Cancer Center Labs Ren.  
Cardiology  
Cell Biology, Office/Labs  
Rens., Multiple Projects  
Master Planning Studies  
Central Mechanical Court  
CCRC Core Lab  
Cryo-EM Scope  
Department of Medicine,  
Generic Labs

Nephrology Lab  
Immunology Faculty Lab  
Virology Faculty Lab  
Yeast Faculty Lab  
Department of Pathology,  
Multiple Projects  
Master Planning Studies  
Conference/Learning Center  
Department of Surgery  
Dermatology Labs  
Diabetes Research Lab  
Emergency Department  
Triage & Lab Renovation,  
Endoscopy Suite Renovation  
Forensic Drug Testing Lab  
Gastroenterology Labs  
Pediatric Gastroenterology Lab  
Genetics Institute Lab &  
Admin.  
GI/Nutrition  
HHMI Light Hall Ren For  
Administration & Labs  
Infectious Diseases - Multiple  
Labs, Conference/Learning  
Center/BSL III  
Light Hall 8th Fl, Physiology  
& Behavior Core Labs  
Mass Spectrometer MRB I &  
MRB IV  
Medical Arts Bldg Lobby  
GI/Oncology  
Microbiology Core Lab Ren ,  
Multiple Projects  
Modular Lab Building  
MRB1 4th Floor Office & Lab  
Nephrology  
Neurology Modular Lab Bldg  
Neurology Lab  
OB/GYN Lab  
Obstetrics Suite  
Otolaryngology  
Otolaryngology Clinic/ENT  
Clinic  
Pain Center Renovation  
Pediatrics, Chairman &  
Support  
Offices & Neonatology  
Division Offices

Emergency Room Treatment  
Endocrinology & Pulmonary  
Medicine  
Gastroenterology Labs &  
Offices  
Infectious Diseases Multiple  
Projects:  
Ophthalmology  
Pediatric Surgery  
Pharmacology Administrative  
Offices & Labs  
Physiology Lab Light Hall  
Physiology Lab MRBI  
Plastic Surgery  
Psychiatric Wing Renovation  
Radiation and Environmental  
Safety  
Radiation Oncology  
Radiology & Nuclear Medicine  
Renal Group Renovation  
S.R. Light Lab II, Dept. Of  
Cardiac & Thoracic Surgery  
Structural Biology  
Surgical Science  
Labs & Offices  
Urology Labs  
Vascular Renovation  
Vascular Scanner Installation  
VPPP/Patient Accounting  
Master Plan  
VU School of Medicine,  
Administrative Offices

Animal Housing/Support:  
Animal Care Facility, Offices,  
& Tunnel Wash  
Animal Holding Area  
Barrier Facility Expansion  
Animal Radiology  
Aquatics Cardiology Facility  
Aquatics Genetics Facility  
Large Animal Renovations  
Vivarium Animal Care Ren  
Vivarium, Werthan Building  
Addition with BSL III  
Zebra Fish Lab

#### Education

Bachelor of Architecture  
University of Tennessee - 1969

#### Registration

Registered Architect Tennessee

#### Certification

NCARB

#### Affiliations

AIA

#### Presentations

Design of Labs in Existing  
Buildings,  
Labconco 2003, Kansas City  
ASHE 2005, Nashville

#### Continuing Education

Lab Design, 2004, 2005, 2006,  
2008  
Designing a Lab Building,  
iLabs, 2003  
The Latest Design Models for  
Academic Lab Facilities, 2002,  
Harvard

#### Career Experience

Hart Freeland Roberts, Inc  
2001 - Present  
Orr/Houk & Associates, Inc.  
1976 - 2001  
Gresham Smith Architects  
1975 - 1976  
Earl Swensson Architects  
1972 - 1975  
U S Army Ordnance Officer  
Top Secret Clearance  
1970 - 1972



Hart Freeland Roberts, Inc.,  
7101 Executive Center Drive, Suite 300  
Brentwood, TN 37027  
Phone (615) 370-8500  
Fax (615) 370-8530

# John L. Coke, AIA, CSI

Mr. Coke has over 10 years of experience in all aspects of architectural design, management, cost estimating, construction administration, and facility assessments. He focuses on cultivating Owner/Architect relationships through project management and fostering pro-active decision-making dialogues between the Contractor, Owner, and Design Team. Since coming to Hart Freeland Roberts, he has been the Project Manager for several of the Vanderbilt University projects.

## Associate



### Laboratories

- Vanderbilt University Medical Center, Nashville, TN
  - Medical Research Building
    - Bioinformatics Lab
    - Neurogenetics Lab
  - Medical Center North
    - Large Animal Ren.
    - Cell & Developmental Biology Phase II Ren
    - 2nd Floor Pathology Renovation
    - Cryo-EM Scope
    - Dept. of Pathology, Multiple Projects
    - Infectious Diseases - Multiple Labs
    - Conference /Learning Ctr
    - BSL III
  - Light Hall
    - Institute for Global Health Renovation
- Vanderbilt University, Nashville, TN
  - Laser Physics Center Lab\*
  - Institute of Nanoscale Science & Engineering Lab\*
  - Olin Hall\*
  - 2nd Floor Renovation
- Middle Tennessee State University, Murfreesboro, TN\*
  - TOSHA Laboratory - New testing laboratory facility
- Aegis Sciences Corporation, Nashville, TN
  - Ren. of 515 Great Circle Dr into Forensics Testing Labs
- Meharry Medical College, Nashville, TN
  - BSL III Lab
  - Research Building Upgrades
- VA Medical Center, Nashville
  - Clinical Lab with BSL III
  - Primary & Specialty Expansion w/Pharmacy
- VA Medical Center, Memphis
  - VMU & Research Lab Upgrades

- Vanderbilt University Hospital
  - Central Pharmacy IV Prep
  - Central Pharmacy Master Plan
  - 3rd Floor OR 19 Renovation
- Wayne County Assisted Living Facility, Waynesboro, TN\*
  - New Facilities

### Educational

- Vanderbilt University, Nashville, TN\*
  - Stevenson Center
  - 2nd, 4th, & 5th Floor
  - Physics Building Renovation
- Ohio Schools Facility Commission, State of Ohio\*
  - Facilities assessment & Educational planning of over 3 million SF of school buildings in NW Ohio

### Metropolitan & Corporate

- Two Rivers Golf Course
  - Clubhouse, Nashville, TN\*
  - New facility
- McCabe Golf Course Clubhouse
  - Nashville, TN\*
  - New facility
- Metropolitan Board of Parks & Recreation, Nashville, TN\*
  - Facility Assessments of over 370 built structures in the parks system.
- Metro Action Commission, Head Start Facilities, Nashville, TN\*
  - Facility Assessments of 8 facilities.
- Dell Computer Corporation, Nashville, TN\*
  - Construction Administration for 3 facilities
- Worth Industries, Tullahoma, TN\*
  - Renovation & HVAC upgrades for plant; Master Planning
- First Bank & Trust, Nashville, TN\*
  - Renovation
- NationsBank, Lewisburg, TN\*
  - New facilities
- SouthTrust Bank, Franklin, TN\*
  - New facilities
- Lincoln Development, Franklin, TN\*
  - Construction Administration for new commercial mall

### Religious

- Brentwood Hills Church of Christ, Nashville, TN\*
  - Construction Administration for new addition

\* Denotes prior employment

### Education

Bachelor of Architecture  
University of Kentucky  
Lexington, KY - 1994

### Registration

Registered Architect in Tennessee

### Certification

National Council of Architectural Registration Boards Certificate

### Affiliations

American Institute of Architects, Middle TN Construction Specification Institute, Board Member  
Architectural Control Committee, Neighborhood Homeowners' Association  
Young Architects Forum

### Career Experience

Hart Freeland Roberts, Inc.  
2005 - Present

Gobbell Hays Partners, Inc.  
1999 - 2005

Barge, Waggoner, Sumner, & Cannon, Inc.  
1997 - 1999

Thomas, Miller, & Partners  
1994-1997



HFR HEALTHCARE

## Kevin Andrew Caudle, AIA

Hart Freeland Roberts, Inc.,  
7101 Executive Center Drive, Suite 300  
Brentwood, TN 37027  
Phone (615) 370-8500  
Fax (615) 370-8530

Mr. Caudle's design experience gives him the ability to provide quality service to a wide array of clients and projects. His architectural background includes a varied scope of project types and sizes, primarily in healthcare and medical research. He is also a skilled renderer.

### Registered Architect



### Education

Bachelor of Architecture  
University of Tennessee  
Knoxville, TN – 1995

### Registration

Professional Architect in  
Tennessee

### Affiliations

American Institute of  
Architects (AIA)

### Career Experience

Hart Freeland Roberts, Inc.  
2001 – Present

Orr/Houk & Associates, Inc.  
1999 – 2001

Michael Brady, Inc.  
1997 – 1999

Cole & Russell Architects, Inc.  
1995 – 1997

Law Engineering, Inc.  
Summer 1994

TN Dept. of Transportation  
Summers 1990 – 1993

### Healthcare

Gibson General Hospital,  
Princeton, Indiana  
Renovation of O.R.#2  
Emergency Department  
Addition  
Maury Regional Hospital,  
Columbia TN  
Outpatient Radiology Ren at  
Spring Hill  
Pharmacy Renovation  
Information Systems  
Relocation  
Cardiac Rehab Renovation  
Endovascular Lab  
Dr. Richardson Office Ren  
Studies for West Tower  
Expansion  
Marshall Medical Center,  
Lewisburg TN  
O.R. Renovation  
Mercy Hospital, Tiffin, Ohio  
Master Planning, Schematic  
Overall Facility Design  
Vanderbilt University Medical  
Center, Nashville, TN  
Aquatics Lab  
Cancer Center Lab  
Renovations, MRBII  
Centex-Rodgers Offices,  
A-6200  
D-2800, South Conference  
Room  
Diabetes Research Lab  
Renovations, 8th Floor,  
Light Hall, Labs 813 - 817  
Genetics Institute, 5th Floor,  
Light Hall  
Infectious Diseases, A-2100,  
A-2200, & A-2300  
Lab Renovation, Space 617,  
6th Floor, Light Hall  
Molecular Physiology, 7th  
Floor, Light Hall, Spaces  
719 & 723  
MRBIII Proteomics Lab  
Buildout  
Neurology Modular Labs  
Pathology Impact  
Construction, T-3200  
Surgical Sciences, D-2300  
Urology, T-2200  
Proteomics

### Assisted Living

Westbrook Center,  
Knoxville, TN

### Commercial

International House of  
Pancakes,  
Various Locations\*  
Bi-Lo Stores Site Design  
Layouts,  
Various Locations\*  
Ham's Restaurant, Shelby NC\*  
Jack-in-the-Box Restaurants  
Site Design Layouts,  
Various Locations\*  
Kroger Food Stores,  
Various Locations\*  
Regal Cinemas,  
Various Locations\*  
Tennessee Farm Bureau  
Columbia, TN  
Site Improvements – Plaza  
Entrance Renovations  
Werner Center,  
Friendsville, TN\*

### Residential

Greens of Northglenn,  
Aurora, CO\*  
Greentree Pointe,  
Lebanon, TN\*  
Rutherford Pointe Apartments.  
LaVergne, TN\*  
South Pointe Apartments,  
Burlington, KY\*  
Willow Pointe, Nashville, TN\*

### Educational

Henry Maxwell Elementary  
School, Nashville, TN

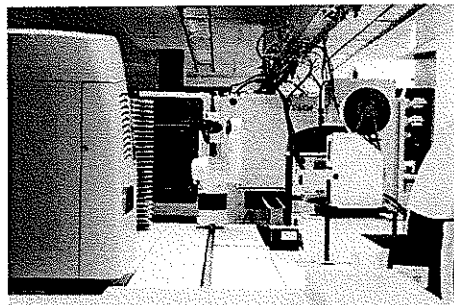
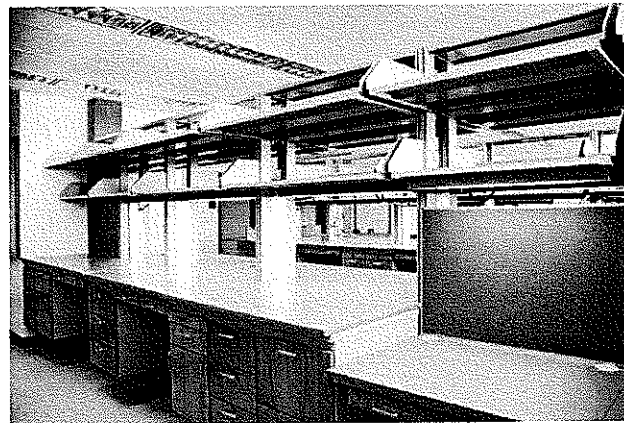
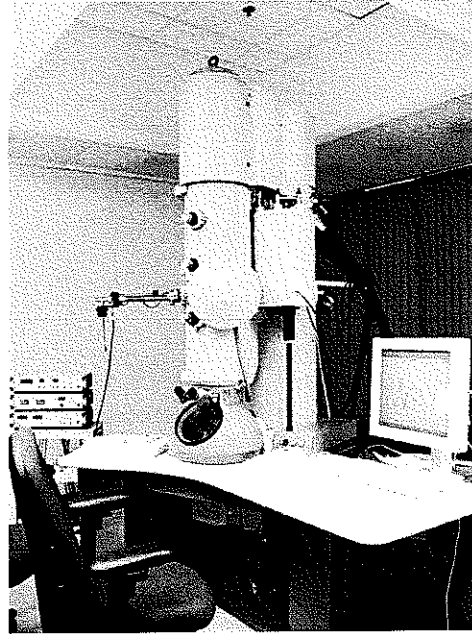
\* Denotes prior experience





# Research Labs

- Anesthesiology
- Anatomical Sciences
- Aquatics
- Biochemistry
- Bioinformatics
- Biosafety Level III Labs
- Cancer Center Core Labs
- Cardiology
- Cell Biology
- Cellular Biophysics
- Chemical Biology
- Cryo-EM imaging Center
- Diabetes
- Dermatology
- Electro-Physiology
- Gastroenterology
- Genetics
- Immunology
- Infectious Diseases
- Mass Spectrometry
- Medicine
- Microbiology
- Molecular Physiology
- Nephrology
- Neurogenetics
- Neurology
- Pathology
- Pediatrics Endocrinology
- Pediatrics Pulmonary Medicine
- Pediatrics Gastroenterology
- Pediatrics Infectious Diseases
- Pediatrics Nephrology
- Pharmacology
- Physiology
- Proteomics
- Structural Biology
- Surgical Sciences
- Urology
- Virology
- Vivaria
- Vivaria Support
- Yeast Facility

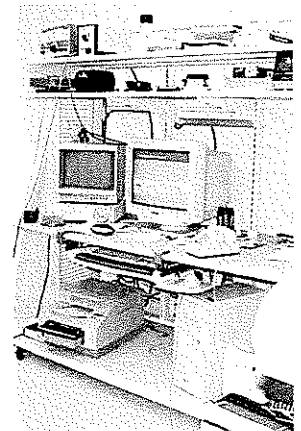


## Various Research Labs Vanderbilt University Medical Center Nashville, TN

*HFR began working on the design of research labs at Vanderbilt University Medical Center almost 40 years ago*

*Ed Houk, AIA, Senior Vice President of HFR, has over 30 years of experience in architecture. During the past 23 years he has focused on the design of medical research laboratories and vivaria. He has served not only as Principal-in-Charge, but also designer and client contact on over 200 medical research-related projects located at Vanderbilt University Medical Center.*

*The projects include various types of labs, BSL III labs, electron microscopes, administrative and support spaces, and vivaria and related support areas such as cage washes, tunnel washes, etc. These projects range in size from renovations of 500 square feet to adding a multi-floor addition of 74,000 square feet on top of an existing building.*

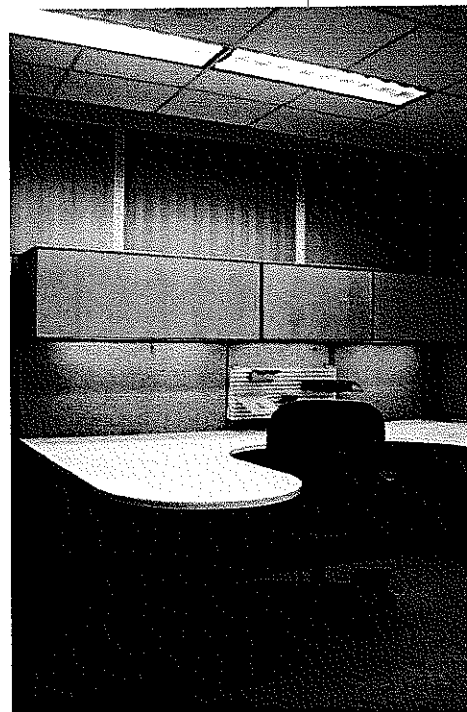
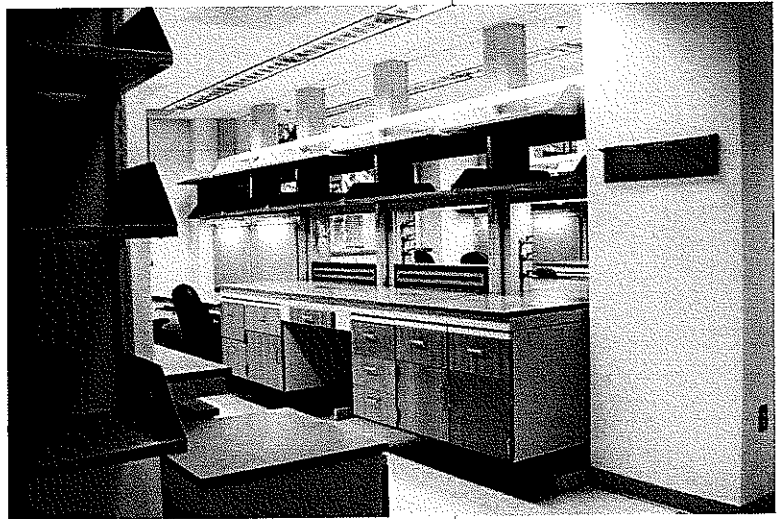
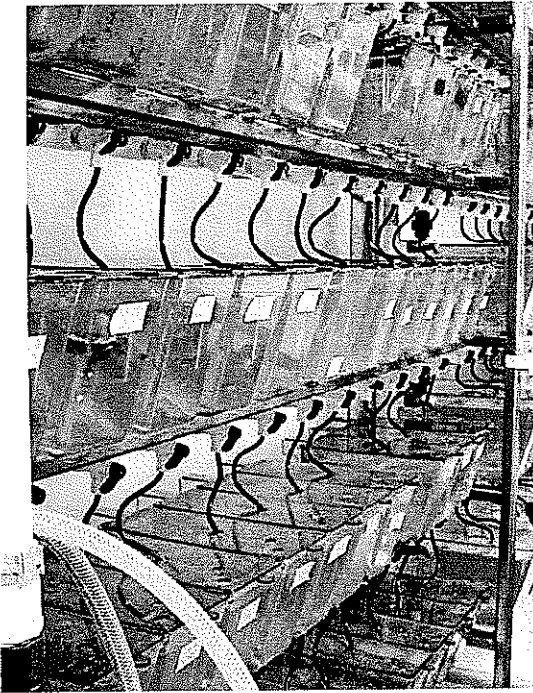




HFR ARCHITECTURE  
ENGINEERING

# Research Labs

**Various Research Labs  
Vanderbilt University  
Medical Center  
Nashville, TN**





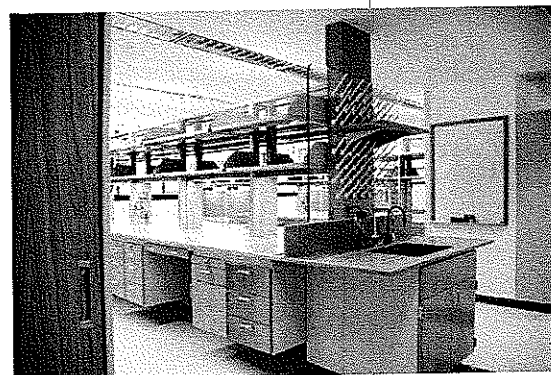
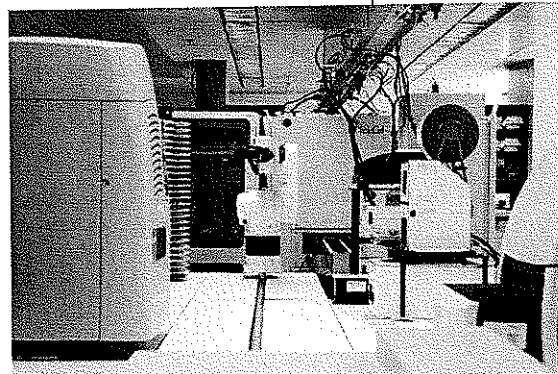
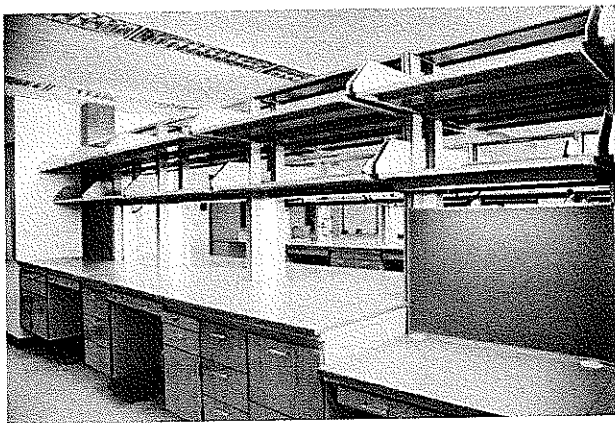
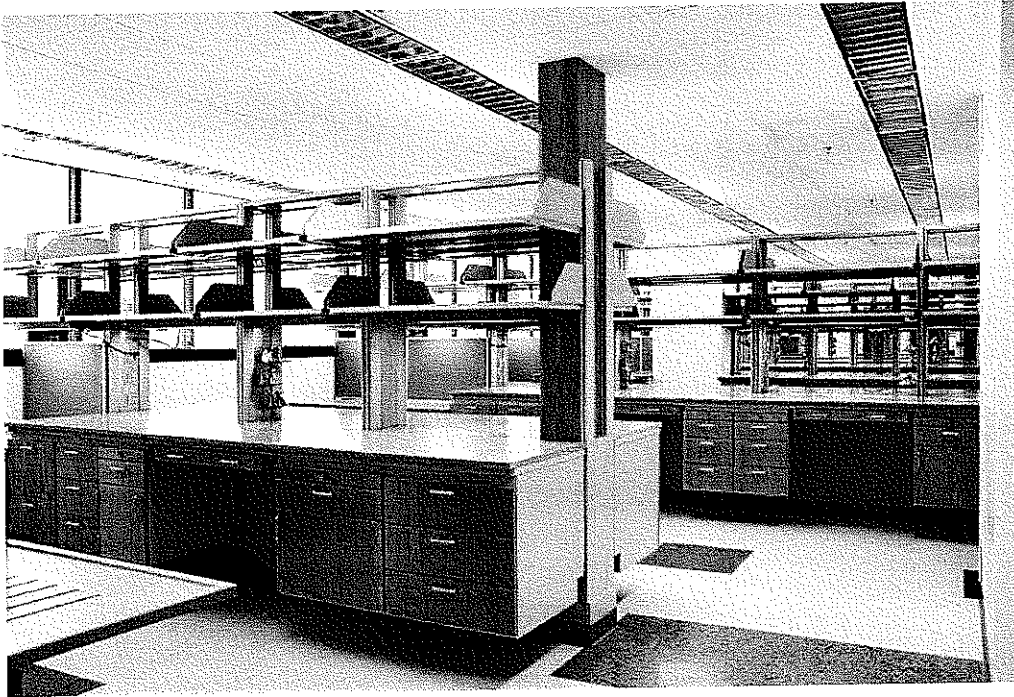
HFR ARCHITECTURE  
ENGINEERING

# *Vanderbilt Institute of Chemical Biology*

**VICB**  
**Vanderbilt University**  
**Medical Center**  
**Nashville, TN**

*The Vanderbilt Institute of  
Chemical Biology is a trans-  
institutional collaboration  
between the College of Arts  
and Sciences and the School  
of Medicine.*

*This project consisted of the  
renovation of approximately  
4,200 SF for the Chemical  
Synthesis Core and the  
renovation of approximately  
1,500 SF for the Robotic  
High Throughput Screening  
Core*





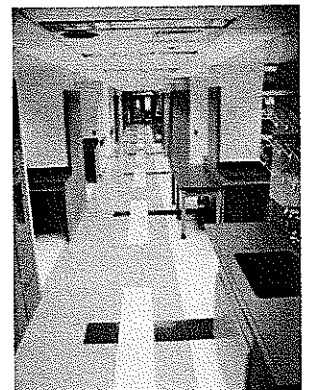
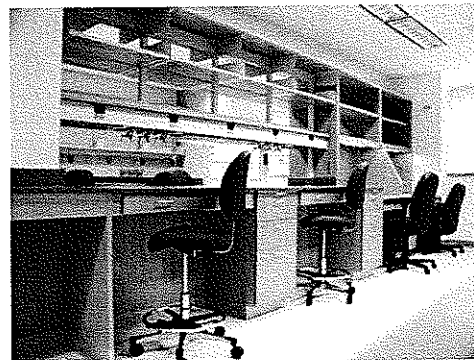
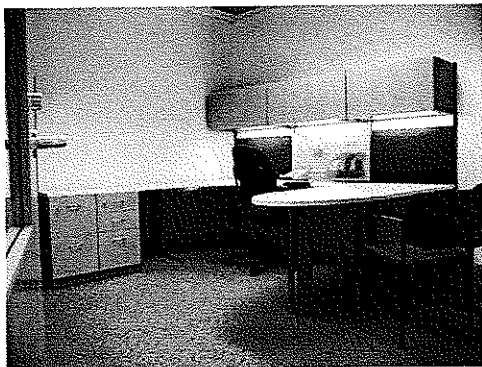
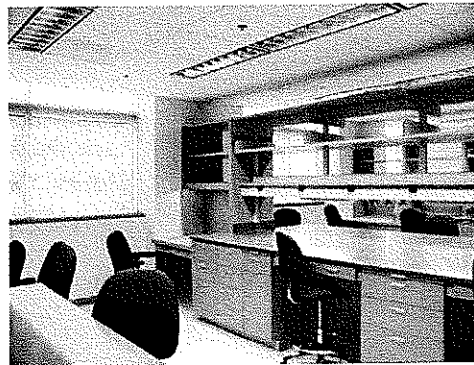
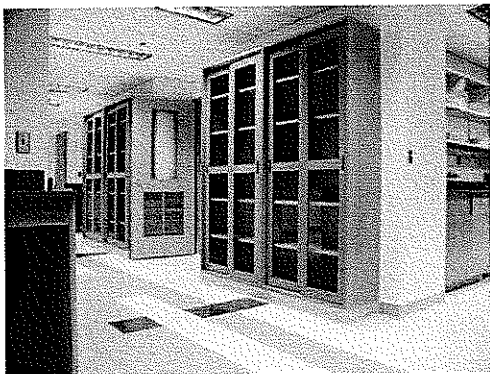


**HFR ARCHITECTURE  
ENGINEERING**

# *Pathology Lab*

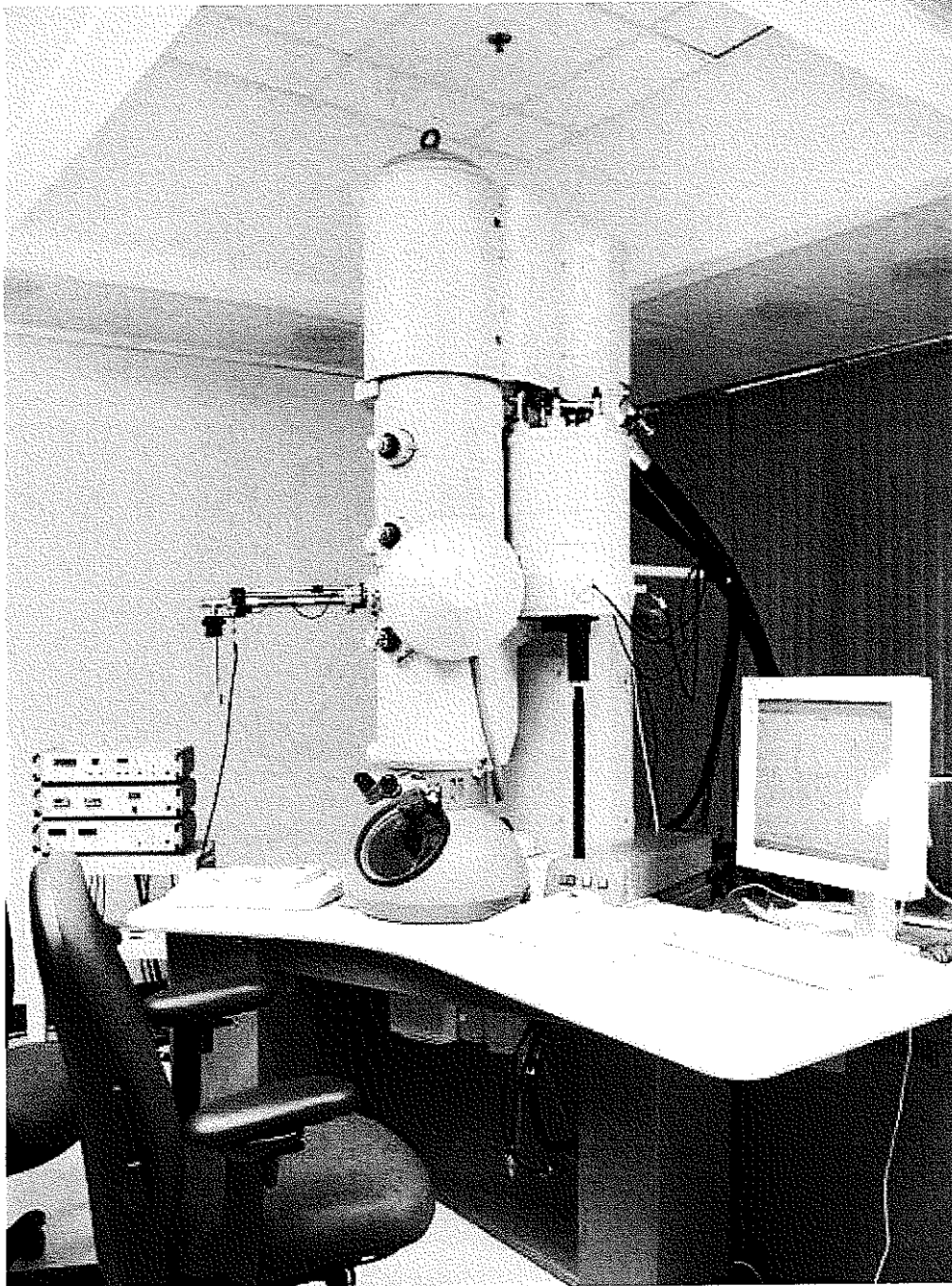
**Pathology Lab  
Vanderbilt University  
Medical Center  
Nashville, TN**

*Renovation of approximately  
7,500 SF into new,  
state-of-the-art  
laboratory space.*





## *Cryo-EM Imaging Center*

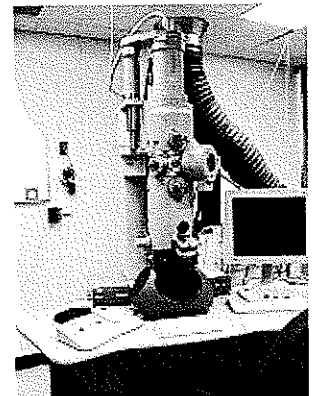


Technai TF30 Helium Microscope

### **Cryo-Electron Microscope Imaging Center Vanderbilt University Medical Center Nashville, TN**

*In 2002, HFR was selected to provide services for the renovation of 1,800 SF to house a very specialized model of a state-of-the-art Cryo-Electron microscope*

*The design team, along with representatives of the manufacturer and the owner, traveled to the National Institute of Health (NIH) where the only other like model in the eastern half of the country had been installed at that time.*



T12 Microscope



HFR ARCHITECTURE  
ENGINEERING

# *Genetics Institute*



**Genetics Institute  
Light Hall  
Vanderbilt University  
Medical Center  
Nashville, TN**

This project, completed in 2003, consisted of the renovation of 24,000 SF of the Fifth Floor of Light Hall into open research labs and office support spaces for the Genetics Institute.







# School of Medicine

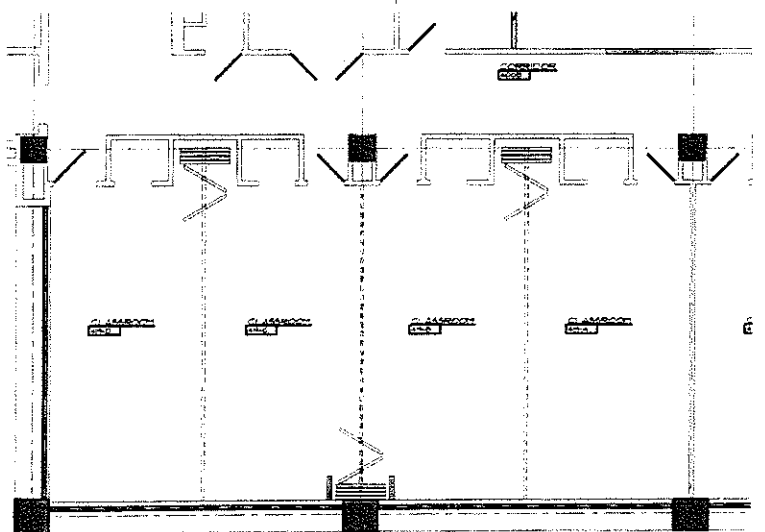
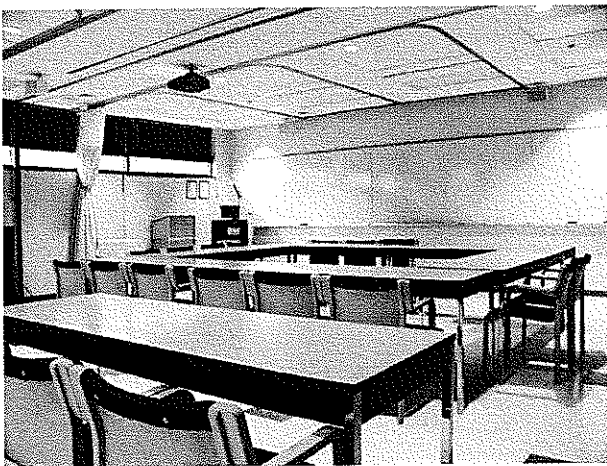
**School of Medicine,  
Light Hall  
Vanderbilt University  
Medical Center  
Nashville, TN**

*The School of Medicine needed multiple classrooms to be not only flexible in size but also state-of-the-art for multi-media presentations.*

*The resulting solution allows for classroom sizes to expand and/or contract via the use of movable partitions.*

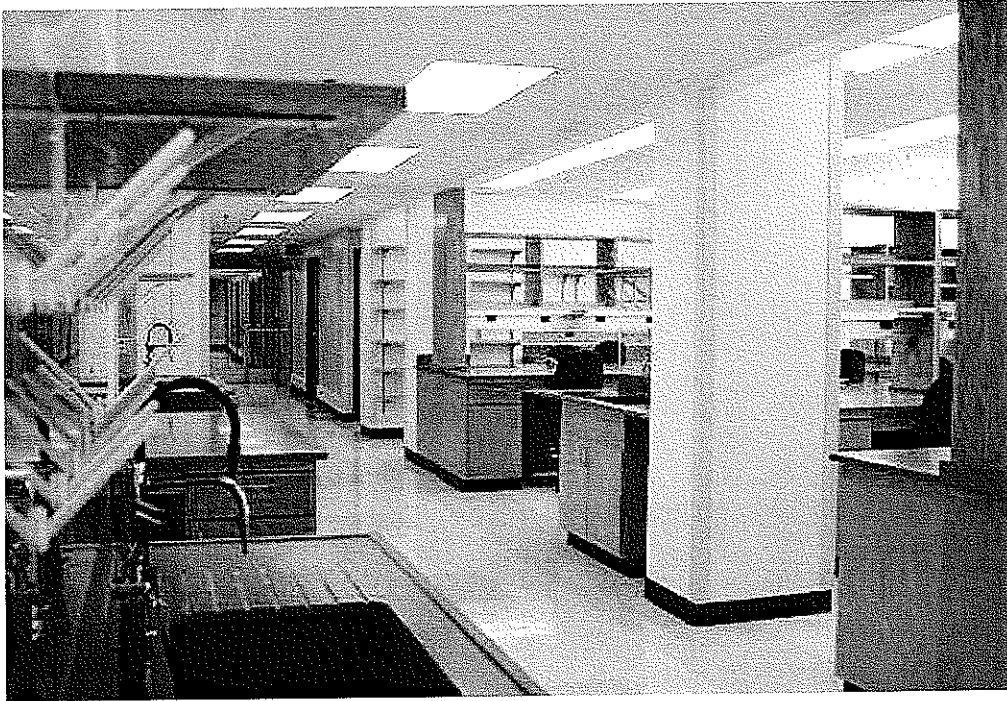
*Further flexibility was provided with the addition of cubicle curtain tracks to allow for medical students' physical exam training.*

**Area of Classrooms:  
8,000 SF**





# *Infectious Diseases*



## **Infectious Diseases Research Labs, Vanderbilt University Medical Center Nashville, TN**

To attract a new, nationally recognized Director of Infectious Diseases, Vanderbilt University Medical Center determined that major renovations to an existing building would be required. Selected to provide the renovations, HFR's architects visited the director's former research labs at Massachusetts General Hospital in Boston to help determine the design of new open labs and support spaces for his program at Vanderbilt.



Investigations support areas such as oversized BSL-III labs, cell-sorting areas and tissue cultures were strategically integrated throughout the facility. Faculty and administrative offices, areas in which the faculty can interact, investigations carrels, and a state-of-the-art conference room were also included.



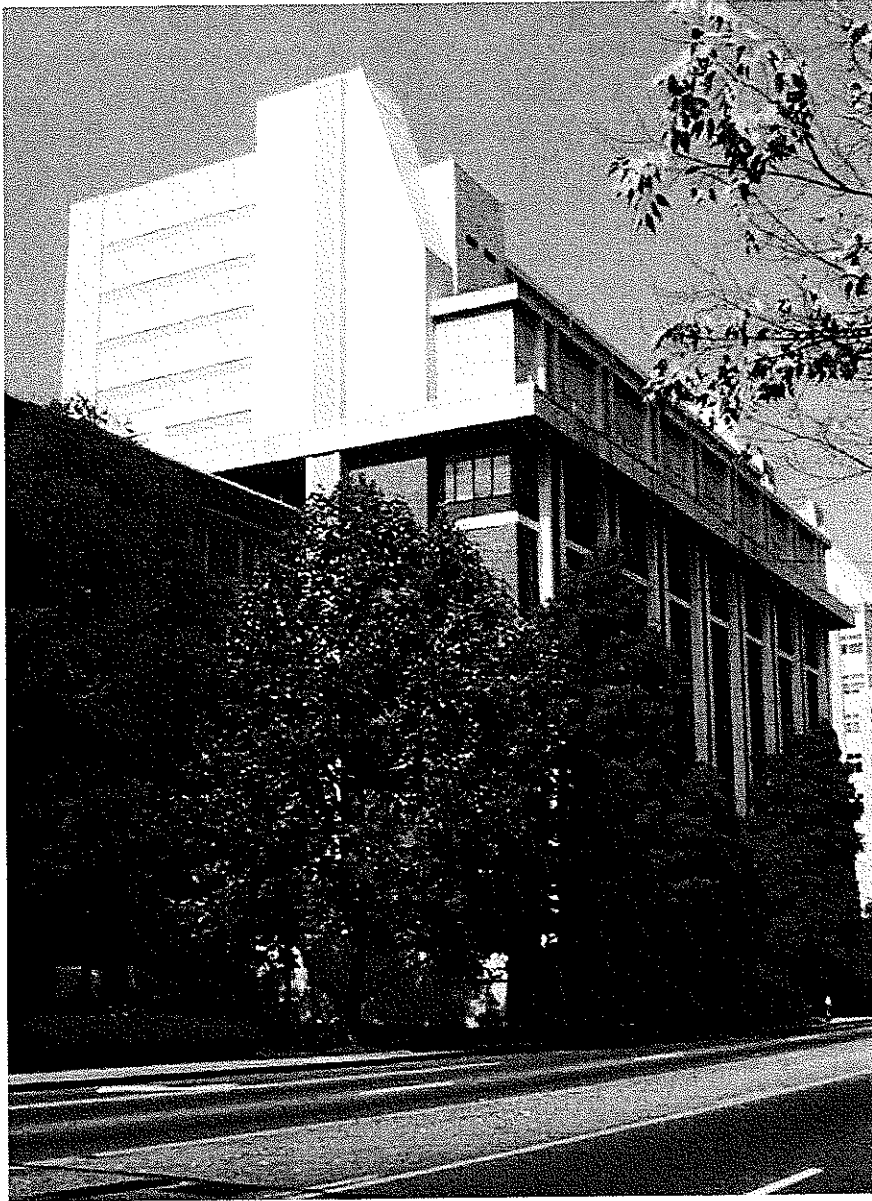
**Project Size:**  
24,000 SF

Services provided by HFR included programming through construction administration.





# Werthan Building Expansion



## Werthan Building Expansion Vanderbilt University Medical Center Nashville, TN

This project was accomplished by adding two floors to an existing six-story building. Vanderbilt University Medical Center needed more space for research. The existing Werthan Building, part of VUMC'S north complex, offered the solution. It had the capacity to add additional floors. Related support spaces and a mechanical penthouse floor were also added, and the sixth floor was renovated. The 18-foot space between the new floors allows for accessible interstitial space floors.

Services being provided by HFR include schematic design through construction administration, plus coordination of MEP and structural consultants.

**Area:**  
74,000 SF



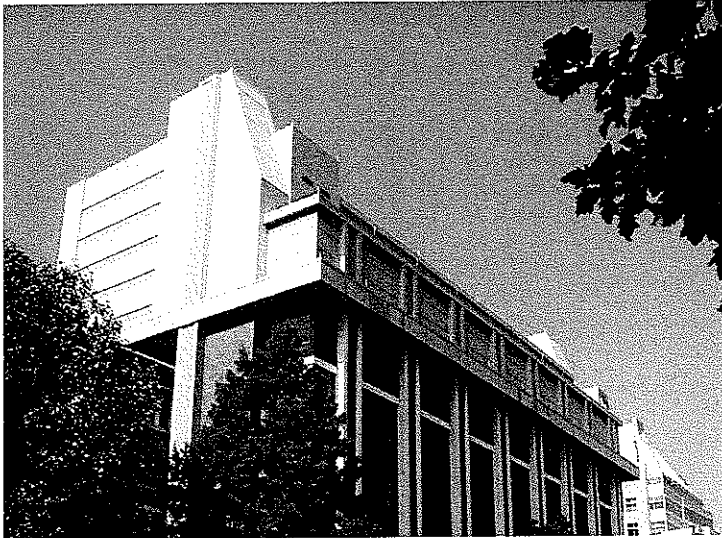
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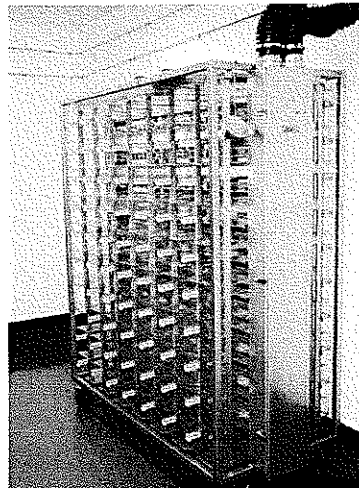
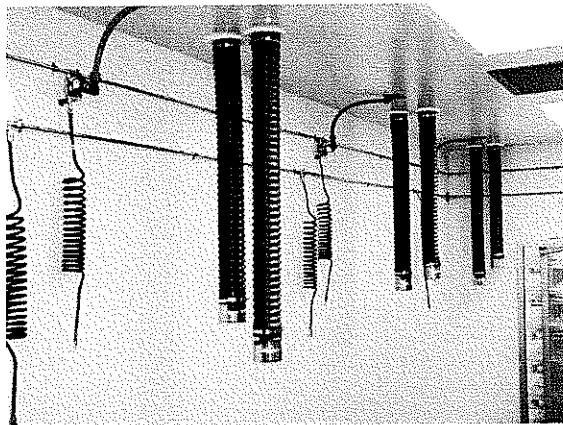
# Vivarium



**Vivarium  
Werthan Building  
Expansion  
Vanderbilt University  
Medical Center  
Nashville, TN**

*This 74,000 SF project was accomplished by adding an addition on top of an existing six-story building.*

*Vanderbilt University Medical Center needed more housing for research animals, but lacked space. However, the existing Werthan Building, part of VUMC's Medical Center North complex, offered the solution. It had the capacity to add two additional floors.*



*The cage racks are served with a centralized dedicated supply and exhaust and an automatic water system.*

*Related support spaces including a BSL III lab, cage washing, autoclaves, and a mechanical penthouse floor were also added. The sixth floor was renovated for staff offices and support spaces. The 18-foot space between the new floors allows for accessible interstitial space floors for utility distribution and maintenance.*



*Services provided by Hart Freeland Roberts included schematic design through construction administration, plus coordination of MEP and structural consultants.*



**HFR ARCHITECTURE  
ENGINEERING**

# *VA Medical Center*

## *Clinical Labs*

### **Veterans Administration Medical Center Nashville, TN**



The existing lab was last renovated in 1983. The fixed casework and department segregation by permanent walls created an environment that required personnel to adapt to the existing conditions instead of vice versa. Anticipating that it might be another 20 years before another renovation, the program required flexibility for easy reconfiguration to accommodate program changes and larger automated equipment for future lab analysis.

The new design incorporates modular lab casework and open labs that will allow changes to be made easily as the need arises due to change in work flow or acquiring new equipment.



This is a working lab and the design requires construction in four phases to keep the lab operational during construction.

**Renovated lab SF:  
20,000 SF**

**Anticipated Completion:  
2009**



# *Aegis Sciences Corporation*



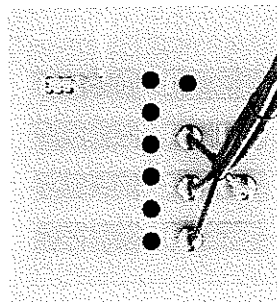
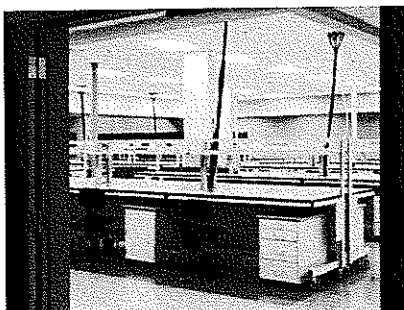
## **Renovation of 515 Great Circle Road for Aegis Sciences Corporation Nashville, TN**

Because of an expanding client base, a forensic chemical and drug-testing laboratory corporation needed to expand their facility. An existing 35,000 SF 1991 pre-engineered office/warehouse was purchased for renovation and adaptive re-use.

For better efficiency and utilization of lab personnel, the various lab functions were combined into a 15,000 SF open lab with mobile, modular lab tables and cabinets, plus 4,000 SF of lab support space. The remaining 16,000 SF of office area was renovated / refurbished to meet the needs of Aegis.

The lab was fully occupied in June 2008.

This project was featured in **Laboratory Design News**, October 2008.



Existing space before renovation





## We're Different.

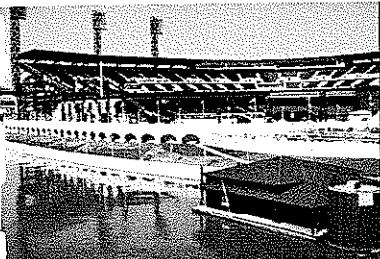
**We care about your success**, and we approach your projects differently. We start by asking you about your organization, your ideas, and your challenges.

What does this mean to you? It means we become your trusted advisors as we enter your sphere of business and partner with you to tackle your challenges. It means that at GAI, you'll work with a customized team of experts best suited for your needs. Because we are an employee-owned company, we attract the finest professionals, which means you'll deal with the best and they'll give you their all.

With GAI, you'll have access to our full spectrum of engineering and environmental services to expertly handle every aspect of your project from conception to completion. You'll benefit in every way from our higher level of customer service and solid reputation of trusted technical excellence.

Experience the GAI difference. At GAI, transforming your ideas into reality is not only our mission... **it's our passion.**





## Land Development Service Brief

### Overview

Land development involves the integration of a variety of activities that include: Economic Feasibility, Master Planning, Engineering and Environmental Analysis, Legal Issues, Financing, and Marketing

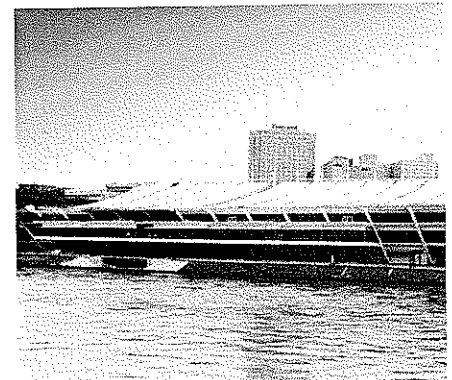
Without effective guidelines and long-term planning, development becomes haphazard and risky, reactive only to short-term needs. Success is largely dependent upon early planning and engineering studies that provide insight into the best possible use, reuse, or development of properties.

### Project Experience

Since 1958, GAI Consultants, Inc. (GAI) has worked extensively with developers, private industry, and government agencies on planning and developing projects for the commercial, residential, industrial, and recreational markets.

- Regional shopping malls
- Industrial parks
- Commercial office sites
- Recreational parks
- Residential subdivisions
- Recreational and resort communities
- Marinas
- Airports

In the present economic climate, our clients are faced with escalating project costs due to rising real estate value, diminishing availability of desirable sites, growing environmental concern and increasing construction cost. All of these factors along with changes in real estate tax laws make obtaining financing for a development project an almost insurmountable task. However, GAI's development professionals are experts who keep abreast of changes in regulations. Also, we can analyze project/site feasibility to provide cost-effective strategies for many kinds of projects, even major projects involving infrastructure that must be completed under time-sensitive schedules.



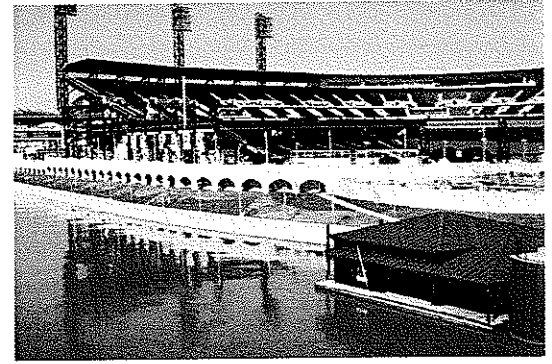
## Civil Engineering Planning and Development Services

- Site selection
- Permit acquisition
- Economic feasibility studies
- Facilities planning and design
- Environmental assessments
- Wetland delineation
- Archaeological studies
- On-site and off-site traffic impact assessments
- Roadway design
- Foundation investigations
- Code impact assessments
- Hydrologic and hydraulic studies
- Storm-water management
- Site lighting
- Land use studies
- Landscape architecture
- Erosion and sedimentation control
- Utility assessments and rehabilitation
- Surveying, construction layout, and as-builts
- Materials testing
- Construction documentation
- Construction cost estimates
- Construction monitoring
- Construction management
- Structural and non-structural alternative analyses

We provide engineering services for all project phases—planning, permitting, design, and construction. Our complete services, tailored to the client's needs, range from site selection and feasibility studies, through developing master plans and preparing detailed design drawings and specifications, to construction management. We provide project planning and coordination to help our clients obtain the necessary construction approvals, and we render construction planning/management and quality assurance services to fulfill project requirements.

GAI's planning and development services are provided by an experienced staff of land use planners, site engineers, landscape architects, traffic engineers, roadway and drainage engineers, structural and soils engineers, utility designers, and environmental specialists.

Through our many years of experience in site development work, we have developed the expertise to evaluate the cumulative impact of topographic, hydrologic, geologic, environmental, and geographic factors on a site. Of equal importance is our staff's appreciation of the impact that the non-engineering aspects of site development—social, economic, and legal—can have on a project's success.



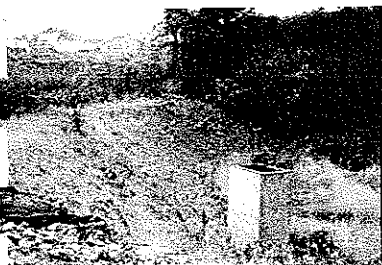
## Support Services

The successful, cost-effective outcome of a site planning and development project requires the support of several engineering service groups and the interaction of various engineering disciplines.

- Transportation engineering
- Geotechnical engineering
- Structural engineering
- Environmental engineering
- Environmental sciences

The blending of our academic training with our experience in research and practical engineering provides a unique background for the solution of complex site development problems involving structural analysis, load determination, structural reliability, soil-structure interaction, and storm-water management.

Basic physical principles combined with innovative engineering ideas help our clients preserve aesthetics and enhance the environment as they go about the business of shaping tomorrow's surroundings.



# Stormwater Management/Drainage Engineering Service Brief

## Overview

GAI Consultants (GAI) understands that land development and highway construction must meet the new and changing Phase II stormwater management criteria for construction and post construction activities.

Our team of experienced stormwater management professionals have established a four-step process that will expedite the permitting process and identify the most cost-effective, post-construction stormwater pollution prevention technology.

### Four Steps to Effective Stormwater/Drainage Management

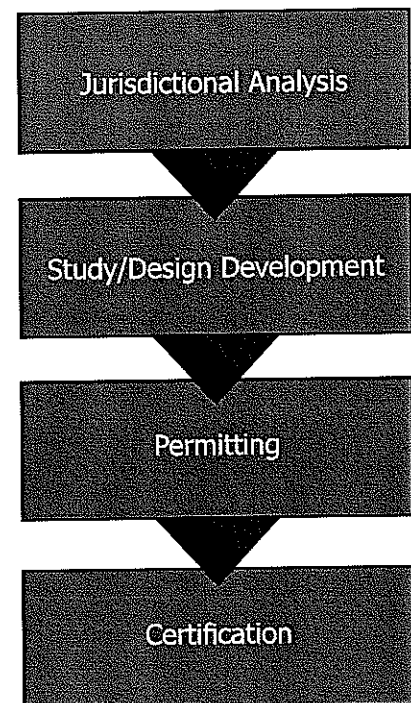
**Jurisdiction Analysis.** Our team researches and identifies applicable codes, regulations, and requirements associated with the jurisdictional agencies.

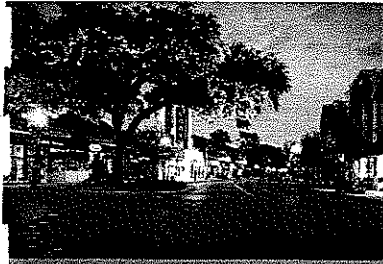
**Study/Design Development.** Our experience includes engineering design of:

- Retention and detention systems
- Collection systems, including curb and gutter, sewer inlets, piping systems and roadway ditches
- Bridge hydraulic design
- Floodway studies including floodplain compensation or no-rise certification
- Cross drain design
- Wetland mitigation
- Best Management Practices (BMP) treatment systems including ponds, wetlands, filtration, and open channels.

**Permitting.** GAI uses proven, standardized application procedures and formats that prevent deficiencies and facilitate quick permit approvals. Our team works with the authorities throughout the process to prevent any permitting delays.

**Certification.** Upon a successful permitting process and construction, GAI thoroughly reviews the project to assure all design elements are completed properly and that the project is officially certified by the appropriate compliance jurisdictions.





# Landscape Architecture Service Brief

## Overview

GAI Consultants, Inc. (GAI) performs various landscape architecture services for a wide range of project types in order to assist our clients, and provide them with individual design solutions that exceed their expectations.

GAI's team of professional landscape architects work on a wide range of project types to achieve a balance between the constructed and natural environment. Projects range from the site design for a small, urban park to a regional study of native ecosystems. Landscape architects often work as an integral part of a comprehensive GAI design team with other disciplines. This comprehensive approach is used in: land development, highway corridor studies, recreational and resort communities, municipal and comprehensive planning studies, environmental studies and mitigation design, urban design and neighborhood beautification plans.

### Benefits of Landscape Architecture Services

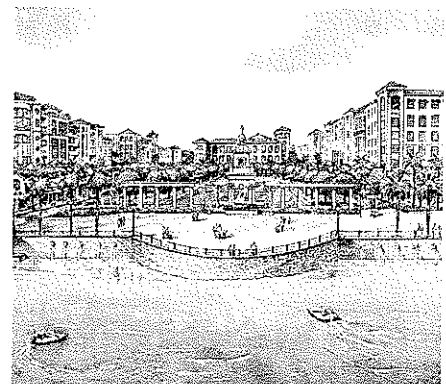
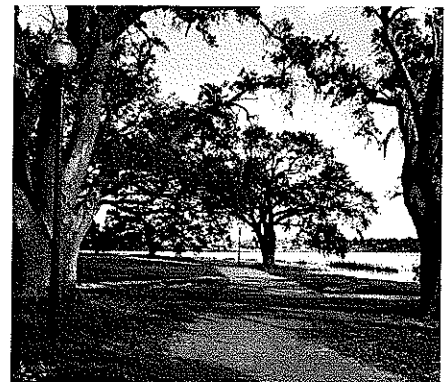
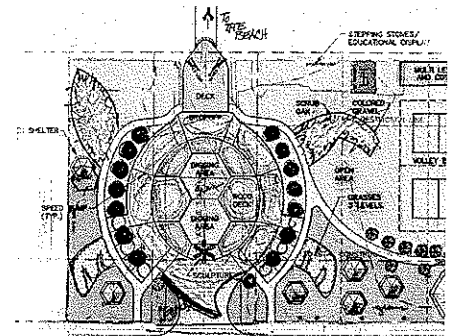
For both public and private sector projects, landscape architecture design provides tangible benefits to the client. These advantages include:

- A more aesthetic project and a greater return on investment through site amenity design features
- Lower site development costs through site analysis and site-sensitive design

GAI creates unique, individual design solutions for the client, which can help a project achieve a higher profile and stand out among the competition. Our team of land planners and landscape architects promote both site-appropriate and sustainable design through the use of innovative techniques such as GIS mapping of natural systems, the use of Traditional Neighborhood Development (TND) concepts, and the use and promotion of native plant materials.

Our Landscape Architecture Designers contrive the themes and the guides for the creation of active and passive landscape spaces. First, we begin by attaining a comprehensive understanding of our client's needs, goals and specific site opportunities. Then, armed with this insight and our internal resources, we achieve the "conceptual intent" of the landscape space. Lastly, we redefine the concept and transform it into Landscape Design.

Communicating and presenting concepts and themes are essential tasks which, as a result, lead to making interaction with our clients and other project related disciplines the most indispensable step towards the final creation of the Landscape Design Construction Documents. Through maintaining contact and understanding the project goals, we stay on task and on budget.





## Landscape Architecture Services

GAI provides both stand-alone landscape architecture services as well as any required support services for a wide array of project types including:

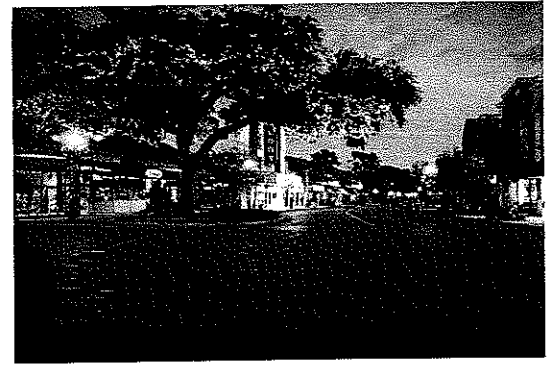
- Site analysis
- Site layout and grading plans
- Landscape design
- Community master plans
- Hardscape design and construction detailing
- Streetscape design
- Wetland mitigation design
- Park and recreation planning
- Urban design studies
- Waterfront design
- Golf course design and resort planning
- ADA design
- Visual impact/viewshed studies
- Historic landscape studies
- Redevelopment planning
- Forest conservation plans
- Land use studies
- Campus planning
- Project signage and thematics
- Irrigation design
- Regional planning studies
- Beautification plans
- Rail-to-trail conversions
- Greenbelt protection plans
- Design guidelines and ordinances
- Master planning
- Conceptual design/design development
- Construction plans/cost estimates
- Presentation graphics
- Public involvement and consensus building
- Bid specification packages
- Bid services
- Construction assistance services
- Maintenance guidelines

For each new opportunity, our mission continues to be creating enriching and extraordinary spaces where communities can live, work, and participate in recreational activities. By considering implementation and maintenance throughout the design, we ensure lasting quality.

We also provide in-house planning and design support to other GAI professionals in the areas of storm-water management facilities, road alignment, environmental studies, and construction cost estimates.

Local, state, and federal regulatory agencies have recently placed an increased emphasis on sustainable design concepts promotion as part of the land development process.

These may range from large-scale initiatives such as the 1991 Intermodal Surface Transportation Enhancement Act (ISTEA) which seeks to promote alternative transportation methods, greenways, and highway beautification, to small-scale local initiatives such as tree preservation and hillside protection ordinances. By keeping up with these recent trends, GAI's landscape architects work with review agencies and the public to ensure cost-effective design solutions for the client that also satisfy public-issue concerns.



GAI utilizes computer technology programs designed to assist landscape architecture and land use planning studies, including:

- GIS for land use and natural systems mapping
- CADD for landscape and hardscape construction design
- Computerized landscape specification and cost estimating software
- 3-D terrain modeling capability
- Plant materials and landscape product databases

By combining the latest technology with a hands-on, pro-active approach to project design and management, GAI's team of landscape architects promote wise stewardship of natural resources and achieve the client's goals and objectives.

# James A. Hemme, P.E., L.R.S.

Senior Project Manager

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## Education

B.S. Civil Engineering, 1989 West Virginia University Institute of Technology  
Marshall University Graduate College, Environmental Engineering Coursework

## Registrations/Certifications

West Virginia Professional Engineer No. 12195  
Kentucky Professional Engineer No. 25437  
Ohio Professional Engineer No. 72851  
Indiana Professional Engineer No. 10809277  
Pennsylvania Professional Engineer No. 75494  
New York Professional Engineer No. 85794  
West Virginia Licensed Remediation Specialist No. 003

## Relevant Training/Courses

OSHA 40 hour Hazwopper Training  
NICET 1 Geosynthetics Installation Inspection (expired)  
Nuclear Density Gage Training, DOT and NRC (expired)  
MSHA Safety Training (expired)

## Summary

Mr. Hemme specializes in site engineering, including planning, permitting and stormwater management, with emphasis on parks and recreation areas and streetscapes. He brings a multi-disciplinary background to projects and this enables him to see the "big picture" of what will be needed to take a project from start to finish. Mr. Hemme is also competent in geotechnical engineering, environmental disciplines including NEPA compliance, and transportation services. He has worked extensively with private developers, architects, municipalities and government agencies.

Mr. Hemme has worked on landfills, quarries, mines, industrial, and commercial sites and facilities. He has performed numerous Phase 1 Environmental Site Assessments (ESAs) providing solid waste, industrial waste, and Erosion and Sediment (E&S) control permitting. Mr. Hemme designs storm water management systems, site developments ranging from 1 acre to over 60 acres in size, and wetland mitigation areas. He prepares geotechnical reports, flood plain modeling, highway and roadway designs, right-of-way plans, detailed construction plans, and cost estimates for projects ranging from \$10,000 to over \$2 million in construction cost.

Mr. Hemme volunteered his time and knowledge to assist with preparation of the Greater Charleston Greenway Initiative by the West Virginia Land Trust Company in Charleston, West Virginia. He authored the analysis section of the report and peer-reviewed the entire document. Mr. Hemme is a current volunteer with the Riverside South Committee, which is working with the Charleston Land Trust to beautify and possibly promote pedestrian access on the south side of the Kanawha River. He has developed schematic plans and reviewed narratives for inclusion into several progress updates to the Land Trust.

## Professional Experience

### Civil Engineering and Permitting

- Site Design for over 100 different projects throughout West Virginia, Ohio, Kentucky and Pennsylvania NEPA compliance for wetlands, streams, cultural resources, and endangered species. Phase 1 Environmental Site Assessments for a wide range of facilities.

- Designed over 50 stormwater management systems including run-on and run-off control utilizing ditches, berms, sumps, sediment ditches, storm sewers, culverts, drop structures, ponds, energy dissipaters, etc. Work included technical specifications, cross sections, profiles, site grading detail development and hydrologic and hydraulic modeling.
- Developed detailed designs for over 100 different ponds at multiple sites throughout West Virginia and other states, including sediment ponds, treatment ponds, leachate storage ponds, and stormwater detention ponds. Work included hydrologic and hydraulic routing calculations, volume estimates, embankment design, treatment efficiency, dewatering calculations, etc.
- Prepared over 50 detailed Erosion and Sediment (E&S) control plans for various sites throughout West Virginia, including coal mines, quarries, highways, landfills and site developments. Work included technical specifications, re-vegetation plans, temporary control details and sequencing plans
- Prepared numerous National Pollutant Discharge Elimination System (NPDES) Construction Stormwater Permit Applications for sites throughout West Virginia and Ohio
- Prepared a complete set of construction plans and specifications consisting of a detailed grading plan, a storm sewer system consisting of 34 drop inlets and over 3,800 feet of piping, and parking lot layout.
- West Virginia State College. Design of a revised stormwater system around the student union to help alleviate basement flooding issues.
- Town of Buffalo. Phase I storm sewer design and construction administration for over 2,000 ft. of storm sewer with discharge to the Kanawha River, that included permitting work with the Corps of Engineers.
- Analyzed various culvert scenarios consisting of modeling existing culverts and potential new corrugated metal pipe, steel pipe, concrete pipe and concrete box culverts to prevent upstream flooding from fill placement for Marietta Industrial Enterprises, Parkersburg, West Virginia.
- Designed an extensive stormwater management system consisting of several thousand feet of ditch and storm sewers, and two sediment ponds designed to limit inflow to pre-existing conditions for the 2-, 10-, 50-, and 100-year storm events for Hanover County Sanitary Landfill, Virginia.
- Melinda Street Stormwater Improvements. Underground stormwater detention system and storm sewer improvements design for the City of Parkersburg, West Virginia.

### **Site Development and Planning**

- Coldwater Creek Distribution Center in Parkersburg, West Virginia. Wetland mitigation for a 7.5-acre area that required a detailed planting plan, pavement design and an engineers' cost estimate.
- Ft. Boreman Development in Parkersburg, West Virginia. Utility master planning, site preparation, roadway design, permitting, and stormwater management for the proposed 170-acre Fort Boreman mixed-used development near Martown Road interchange off U.S. Route 50 in Parkersburg.
- Chesapeake Energy Regional Headquarters in Charleston, West Virginia (LEED Project) Chesapeake Energy Field Offices in Jane Lew, West Virginia; Mount Morris, Pennsylvania; and Honey Branch, Kentucky.
- The Pines Country Club in Morgantown, West Virginia
- Dow Chemical South Charleston Plant Entrance, Parking and Pedestrian Improvements in West Virginia
- Tamarack Phase 2 Expansion in Beckley, West Virginia
- Morgan County Courthouse Replacement in Berkeley Springs, West Virginia Greenbrier County Courthouse Annex and Expansion in Lewisburg, West Virginia
- Marshall University Clinical Outreach and Education Center, Huntington, West Virginia
- Cheat Landing Office Park in Morgantown, West Virginia. The Villages at Cheat Landing in Morgantown, West Virginia
- Almost Heaven Habitat for Humanity, South Fork Crossing Subdivision, Pendleton County, West Virginia.
- Stonegate at Cranberry Development in Cranberry Township, Pennsylvania.

**Parks and Recreation Areas**

- April Dawn Sprayground and Park in Huntington, West Virginia. Lead Engineer for the continued development of the park consisting of an in-ground computer controlled fountain covered by suspended concrete pavers, a unique "Teays Valley Monster" concrete dragon over 8'-tall integrated into the design with slide and cool steam nostrils and a special soft surface design. The project won awards from the West Virginia Sections of the American Society of Landscape Architects and the American Consulting Engineers Council
- Rotary Park Improvements Project in Huntington, West Virginia. Lead Engineer responsible for new parking areas, unique picnic shelter, utilities, and a new entrance that blended with existing facilities
- Reviewed multiple playground components for compliance with the "Handbook for Public Playground Safety" published by the U.S. Consumer Product Safety Commission
- Assisted with designing ballfields, park facilities, and a large parking lot incorporating Bio-Retention/Treatment swales for treatment of stormwater in Stark County, Ohio
- Golf Club House and Lodge Site Development at Stonewall Jackson State Park in West Virginia. Project Manager for infrastructure including site design of the 100+-room lodge, parking, sewage lift station, extensive landscaping, and all aspects of construction administration.
- Cedar Creek State Park Camp Ground Expansion, Glenville, West Virginia. Dow Heritage Park in Charleston, West Virginia. Fort Boreman Historic Park in Parkersburg, West Virginia.
- Dupont 'Hyper' Plaza in Belle, West Virginia.

**Streetscape and Trails**

- Kanawha Trestle and Rail Trail Master Plan. Project Manager and Lead Engineer responsible for development. The plan covered the existing CSX trestle crossing the Kanawha River in Charleston and approximately 2 miles of Norfolk and Southern rail corridor through the West Side of Charleston.
- Project Manager or Design Engineer on multiple streetscape projects throughout West Virginia including Phase 1 Florida Street Streetscape, and Washington Street East Phase 2 and Pennsylvania Avenue streetscapes in Charleston, West Virginia.
- North Bend Rail Trail. Prepared construction documents to repair flood damage to almost 50 miles of trail.
- Florida Street Master Plan for the City of Charleston, West Side Neighborhood Association
- City of Richwood, West Virginia Streetscape Master Plan and Phase 1 Construction
- City of Charleston East End Design Cheret and "Think Tank" Design Cheret

**Solid Waste Management and Engineering**

- Design and permitting for 50 different solid waste facilities in West Virginia, Virginia, and Ohio.
- Berkeley County Solid Waste Authority. Siting Study regarding suitability of property.
- North Fork Landfill. 50-acre landfill over previously deep mined area.
- Nicholas County Landfill. Small rural landfill expansion with special steep slope design
- Disposal Service Landfill. Unique multi-stage expansion of a landfill including steep slope design.
- Boone County Commission. Permitting of various solid waste transfer stations.
- Page County, Virginia comprehensive countywide search for a regional landfill
- Anker Energy Conceptual Study to determine feasibility of fly ash disposal facility
- Elkem Metals fly ash landfill utilizing a geosynthetic clay liner and special slope design

**Waste Water and Potable Water Design**

- National Radio Astronomy Observatory. Designed unique, non-mechanical, award-winning treatment system that uses no electricity and treats the entire campus wastewater load.
- Manufactured Housing Development Waterline Replacement. Designed over 5 miles of water line within an existing 1000+-unit manufactured housing development
- Huttonsville Correctional Facility. Provided retrofit design for temperature, grease and trash issues.



- Anthony Correctional Center. Designed package water treatment plant for correctional facility
- St. Mary's Correctional Facility. Retrofit design to address trash and grease issues.
- Pocahontas County Landfill. Modular trickling sand filters with aeration pond and polishing wetland
- Multiple Landfills. Pre-treatment system design to remove high BOD levels prior to WWTP.
- Storage Tank Design. Multiple bolted or welded steel tanks primarily for leachate storage.

**Abandoned Mine Land (AML) Reclamation and Acid Mine Drainage (AMD) Treatment**

- Richard Mine Acid Mine Drainage. Treatment Alternatives Report, Monongalia County, West Virginia.
- Richard Mine Flow Monitoring Study. Design, installation, full time flow monitoring and reporting for a 1 year period on drainage from a substantial AMD discharge.
- East Branch Raccoon Creek Acid Mine Drainage (AMD) Treatment Design for the Ohio Department of Natural Resources.
- Vens Run Landslide Reclamation No. 2 Design and Permitting in Harrison County, West Virginia.
- Whites Run Reclamation Permitting in Randolph County, West Virginia.

**Project Awards**

National Radio Astronomy Observatory (NRAO) Wastewater Treatment Plant Design, West Virginia ACEC Gold Award, Project Manager

Florida Street Streetscape Masterplan, WV ASLA Honor Award, Senior Engineer

Dupont Hyper Plaza Design, WV ASLA Honor Award, Senior Engineer

Kanawha Trestle Rail Trail Masterplan, WV ASLA Merit Award and WV ACEC Silver Award, Project Manager

April Dawn Park Sprayground "Teays Valley Monster," WV ASLA Honor Award and WV ACEC Gold Award, Senior Engineer

Coldwater Creek Distribution Center Site Preparation, WV ACEC Gold Award, Project Manager

# David Gilmore, RLA, CLARB

*Land Development Services Manager, Landscape Architecture Services Manager*

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## Education

BSLA, College of Agriculture & Forestry, 1988 West Virginia University

## Professional Affiliations

American Society of Landscape Architects, ASLA  
WV Chapter of American Society of Landscape Architects  
Council of Landscape Architectural Review Board, CLARB

## Professional Development

WVASLA State Licensing Board Member, 2003-2006  
Past President, WVASLA  
Executive Committee Member, WVASLA  
Chairman, WVASLA Licensing and Sunset Review Committee  
Judge, Senior Design Awards, West Virginia University

## Registrations

Council of Landscape Architectural Registration Board Certified  
**West Virginia** Professional Registered Landscape Architect # 247  
**Indiana** Professional Registered Landscape Architect # LA 20700137  
**Pennsylvania** Professional Registered Landscape Architect # LA 002737  
**Kentucky** Professional Registered Landscape Architect # LA 768  
**Ohio** Professional Registered Landscape Architect # 0801200

## Awards

- Merit Award (WVASLA): 'Hyper' Employee Plaza, Main Entrance Improvements  
*Client: Dupont Company*
- Merit Award (WVASLA): Florida Street Revitalization Master Plan  
*Client: West Side Neighborhood Association*

## Professional Experience

Mr. Gilmore joined GAI Consultants in 2005 to manage the firm's land development and landscape architectural services. The central focus of his practice is on the continued development of the firm's site design and landscape architecture projects throughout the eastern United States, while providing landscape architectural support to all of GAI's offices and clients.

Prior to joining GAI Consultants, Mr. Gilmore worked for a multi-disciplinary A&E firm in Charleston, South Carolina, providing architectural, engineering, landscape architectural design services. While working in South Carolina, Mr. Gilmore was involved with campus master designs for many colleges and universities, large downtown streetscapes and subdivision layout and design. Mr. Gilmore later worked with a landscape architectural and design firm in Charlottesville Virginia, where he continued his professional development working on a wide range of projects for both the public and private sector. After returning to West Virginia in 1991, Mr. Gilmore has specialized in site design, land planning, streetscapes and parks and recreational design for numerous public and private clients in West Virginia and Eastern United States.

Mr. Gilmore currently serves as Land Development Services Manager and Landscape Architectural Services Manager for the Charleston branch of GAI Consultants. In this capacity, Mr. Gilmore brings twenty years of experience on a diverse range of projects covering all aspects of landscape architectural design in both the public and private sector. Mr. Gilmore's experience includes but is not limited to construction document and technical specification preparation, site analysis, schematic design,

# David Gilmore, ASLA, CLARB

2

*Landscape Architecture Services Manager*

construction administration, master and land use design (resorts, parks, recreational, residential, industrial, and commercial), streetscape and municipality improvements, landscape and hardscape design, and graphic presentation drawing. Mr. Gilmore also performs project management on related projects, and has won two Merit awards from the West Virginia Chapter of the American Society of Landscape Architects (WVASLA).

## **Streetscape / Urban Revitalization:**

- Kanawha Boulevard, Charleston, WV
- Pennsylvania Street, Carmel Indiana
- St. Albans Master Plan, St. Albans, WV
- St Albans Phase I Construction Drainage
- St. Albans Phase II Construction Drainage
- Pennsylvania Avenue Gateway, Charleston, WV
- Florida Street Revitalization Master Plan, Charleston, WV.
- Williamson Master Plan, Williamson, WV.
- MacCorkle Avenue Greenspace Improvements, Kanawha City, WV.
- Kanawha Valley Rapid Transit Shelter/Plaza Design

## **Parks & Recreation:**

- Charleston Riverfront Park, Charleston, West Virginia
- Stonewall Jackson State Park Masterplan, Roanoke, West Virginia
- Twin Falls State Park, Twin Falls, West Virginia
- Dow Heritage Park, Charleston, West Virginia
- Charleston Area Medical Center General Division Employee Park, Charleston, West Virginia
- Dupont 'Hyper' Plaza, Belle, West Virginia
- Ohio to Erie Trail, Multiple Counties, Ohio
- Coonskin Park, Charleston, West Virginia
- Veterans Memorial Park, Carmel, Indiana

## **Hospitals / Institutional / Campus Planning:**

- Dow South Charleston Plant
- Beckley Federal Courthouse Security Upgrades
- Charleston Area Medical Center Memorial Park
- King's Daughters Medical Center
- WVU Gateway Study
- Town of Fayetteville Cemetery Master plan
- Trinity Lutheran Church Columbarium Master Plan
- First Presbyterian Church Columbarium Master Plan
- Yeager Airport Master Plan
- The Church of Jesus Christ of Latter-Day Saints, Multiple Projects
- Marshall University Dormitory / Alumni Center
- West Virginia University Dormitory, Evansdale Campus
- West Virginia University Dormitory, Downtown Campus
- Potomac State Dormitory
- West Virginia State Student Housing, Institute, West Virginia

## **Development / Site Planning:**

- Cheat Landing Office Park, Morgantown, West Virginia
- Medina County Courthouse
- Morgan County Courthouse
- Raleigh County Courthouse

# David Gilmore, ASLA, CLARB

3

*Landscape Architecture Services Manager*

- The Villages at Cheat Landing, Morgantown, West Virginia
- The Pines Country Club, Morgantown, West Virginia
- Stonegate at Cranberry, Cranberry Township, Pennsylvania
- Chesapeake Energy Regional Headquarters, Charleston, West Virginia
- Chesapeake Energy Field Office, Jane Lew, West Virginia
- Chesapeake Energy Field Office, Mount Morris, Pennsylvania
- Chesapeake Energy Field Office, Honey Branch, Kentucky
- Ridge Run @ North Camp, Wisp Ski Resort, Deep Creek Maryland
- Cambridge Place Office Park, Bridgeport, West Virginia
- Stonewall Jackson State Park Masterplan, Roanoke, West Virginia
- Land-use Study / Development Alternatives, Aspen Corporation, Lewisburg, West Virginia
- Commerce Park Mixed-use Development Masterplan, Huntington, West Virginia
- Fort Boreman Mixed-use Development Masterplan, Parkersburg, West Virginia
- Wilkerson Dental Office, Charleston, West Virginia
- Ocean Isle Beach Resort Masterplan, Ocean Isle, South Carolina
- 5/3 Bank, Cross Lanes, WV.
- Banc One, Teays Valley WV

## **Residential Planning & Landscape Design:**

- < 500 Projects

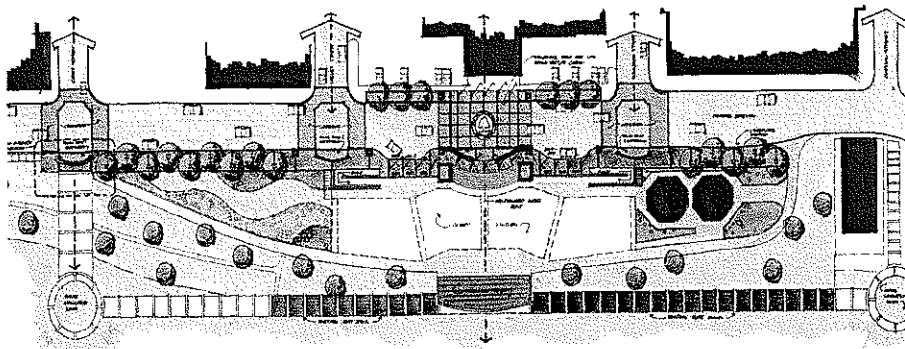


# Land Development

## Riverfront Park & Streetscape Design



### Haddad Riverfront Park Kanawha County, West Virginia



Charleston Riverfront Park: Preliminary Master Plan

GAI Project Manager:  
**David Gilmore, RLA, CLARB**

Project Team:  
**GAI Consultants, Inc. (Prime)**  
**Fabritech (Subconsultant)**

Client:  
**The City of Charleston**

Client Contact:  
**David Molgaard, City Manager**  
**304.348.8014**

Construction Cost:  
**\$3,000,000**

Completion Date:  
**Ongoing**

#E080952

#### Brief Project Description

GAI Consultants, Inc. (GAI) was selected to provide design, construction and engineering solutions for the renovation of the Haddad Riverfront Park, which is a popular concert, festival and leisure site in downtown Charleston, West Virginia. Among the City of Charleston's project requirements were a retractable canopy to provide protection and visual interest, an overlook plaza and pavillion that extends Court Street to the Kanawha River, an extension of the lower wharf area, a new streetscape design along Kanawha Boulevard and an event stage for concerts. Each requirement composes one stage of the overall project, with Phase I currently underway.

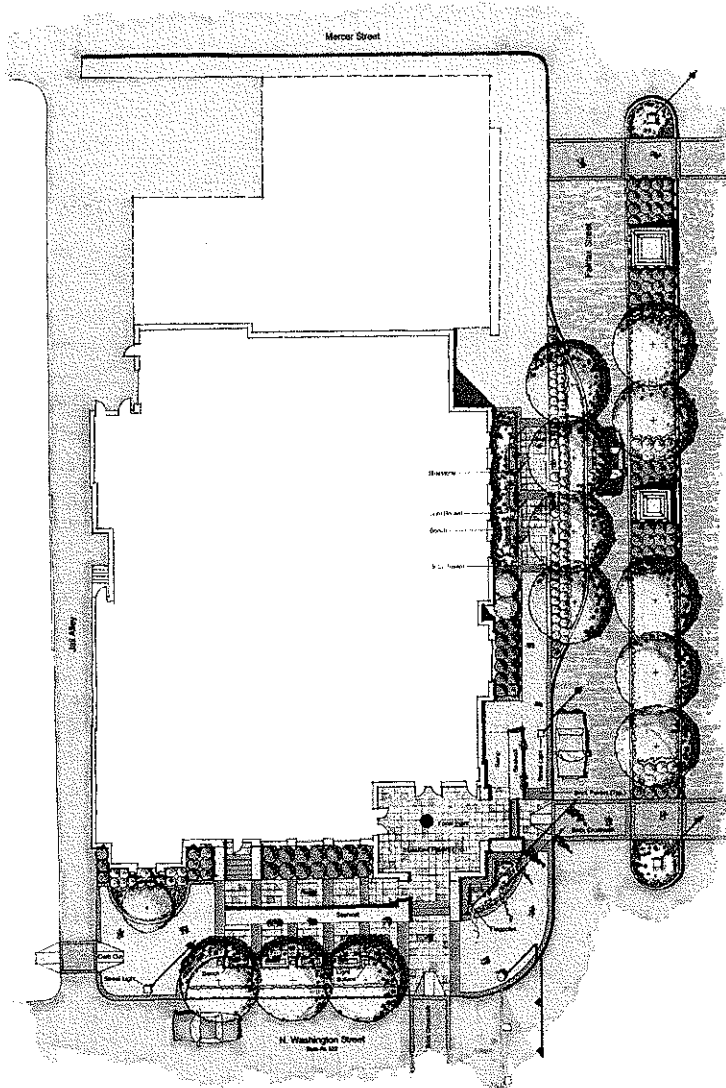
#### Work Tasks/Services

- Conceptual design and master plans
- Landscape architecture
- Geotechnical engineering
- Structural engineering
- Construction administration

#### Value Added Innovations

Taking a different approach, GAI presented an initial design encompassing all four parts of the entire project. The design was highlighted by a grand staircase leading to the proposed amphitheater, which acts to open the park to Kanawha Boulevard, making it an integrated part of downtown Charleston.

**Morgan County Courthouse**  
*Morgan County, West Virginia*



**Brief Project Description**

GAI Consultants, Inc. (GAI) was contracted by Silling Associates Architects to provide site design services for the new Morgan County Courthouse located in historic Berkeley Springs, West Virginia. The project included preliminary site master planning, utility design, grading, and site drainage. Also, included in the tasks was coordination of site design with a streetscape plan that had been initiated prior to the start of GAI's site design. The site supports a three story, 13,415-square-foot courthouse building that will support many of Morgan County's judicial offices including Magistrate Court, Family Law Court, and Circuit Court.

GAI Project Manager:  
**David Gilmore, ASLA, CLARB**

Project Team:  
**Silling Associates Architects (Prime)**  
**GAI Consultants, Inc. (Subconsultant)**

Client:  
**Morgan County**

Client Contact:  
**Tom Potts, AIA**  
**304.346.0565**

Project Cost:  
**\$12 Million**

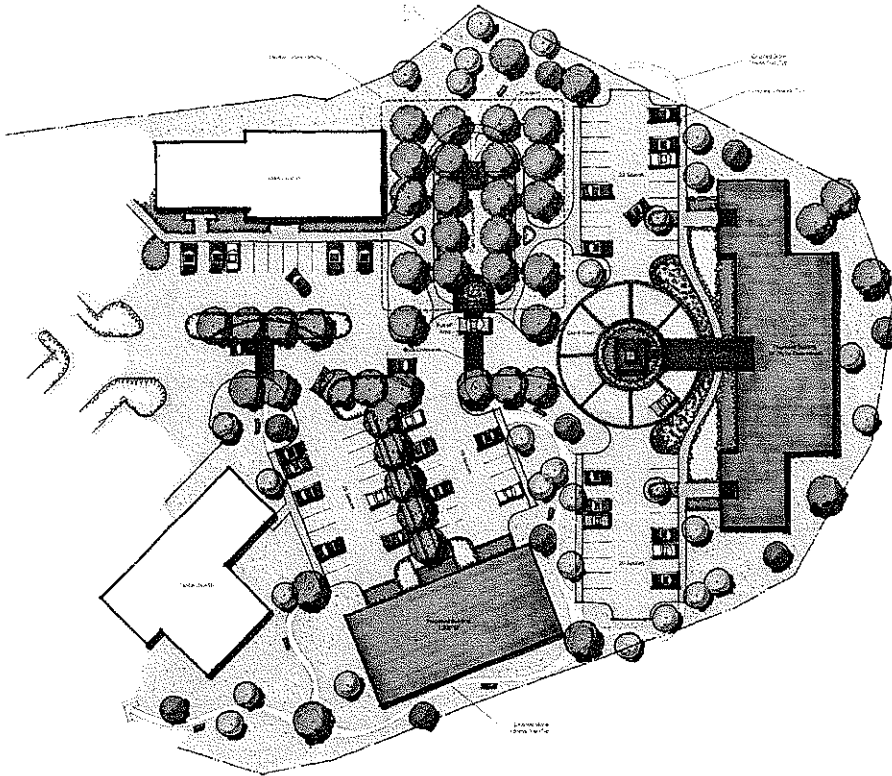
Completion Date:  
**2009**

#E080211

**Work Tasks/Services**

- Preliminary master planning and design
- Coordination of utilities
- Utility design
- Grading
- Site drainage
- Landscaping/site amenities
- Coordination of design with local streetscape committee

**Cambridge Place Office Park Study**  
*Bridgeport, West Virginia*



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GAI Project Manager:  
David Gilmore, ASLA, CLARB  
Project Team:  
GAI Consultants, Inc. (Prime)  
Client:  
Mason Dixon Energy, Inc.  
Client Contact:  
Gregory Zerkel  
304.842.9550  
Completion Date:  
2010

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#E060683

**Brief Project Description**

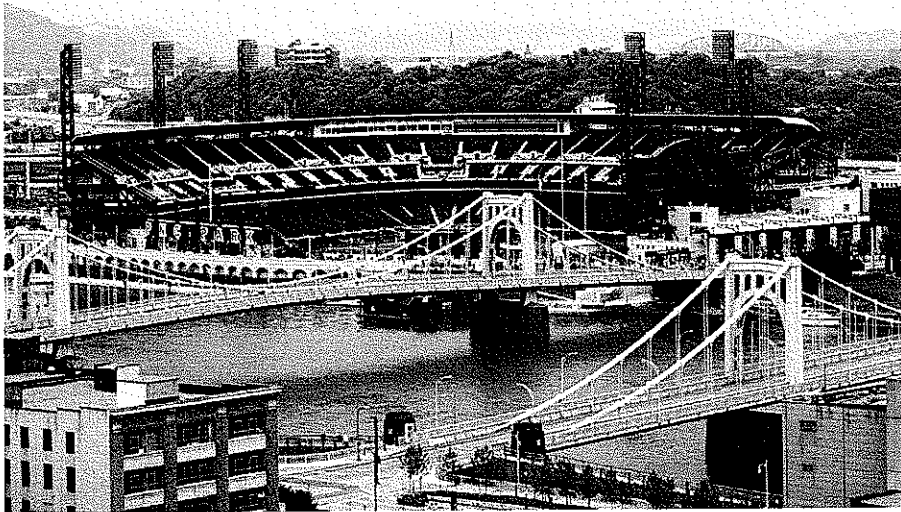
GAI Consultants, Inc. (GAI) was contracted for landscape architecture and site planning services by Mason Dixon Energy for the Phase II of it's Cambridge Place Office Park in Bridgeport, West Virginia. The project scope included wayfinding and landscape improvements for the entire office park, future building, vehicular and pedestrian circulation and parking layout scenarios for Phase II and a fitness trail around the perimeter of the park.

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**Work Tasks/Services**

- Program development
- Site analysis
- Conceptual planning
- Final master plan

## **PNC Park Baseball Stadium** *Pittsburgh, Pennsylvania*



### **Brief Project Description**

Involvement in the 39,000-seat PNC Park project by GAI Consultants, Inc. (GAI) began with the demolition of the old North Side neighborhood, required to make way for the project, and continued throughout construction. GAI determined detour routes, relocated public utilities, and obtained all necessary permits, including the NPDES Permit for industrial discharge and Joint 105/404 Permit for construction.

During the design development phase, GAI provided site and utilities engineering design of the River Bulkhead Wall, the Sewage Facilities Planning Module, conducted a flood risk assessment including hydrological and hydrogeological studies, coordinated all field surveying activities with the project surveyor, and designed a reliable and cost-effective 1,110-foot-long anchored sheet pile wall to support an attractive riverwalk area between the baseball park and the Allegheny River. The curved alignment of the wall increased design and construction complexity. The tieback system consisted of 142 inclined soil anchors at 8-foot intervals, each with a 42-ton capacity and embedded 51 feet into the soil.

Similar services were provided by GAI during the final design phase, including design modifications to two existing ALCOSAN diversion chambers to accommodate the construction of the new ballpark, and design of the underdrain system and flood control vault.

GAI monitored construction of the Allegheny River bulkhead wall and the abandonment of the existing 120-inch diameter canal sewer through the site.

GAI Project Manager:  
Anthony F. Morrocco, P.E.

Project Team:  
GAI Consultants, Inc. (Prime)  
L.D. Astorino & Associates, Ltd.  
(Subconsultant)

Client:  
Hellmuth, Obata & Kassabaum, Inc.  
(Site Planning)  
L. D. Astorino & Associates, Ltd.  
(Final Design)  
Pittsburgh Pirates (Bulkhead Wall)

Client Contact:  
Robert L. Watson (HOK)  
816.221.1576  
Dennis Astorino (LDA)  
816.221.1576

Completion Date:  
2001

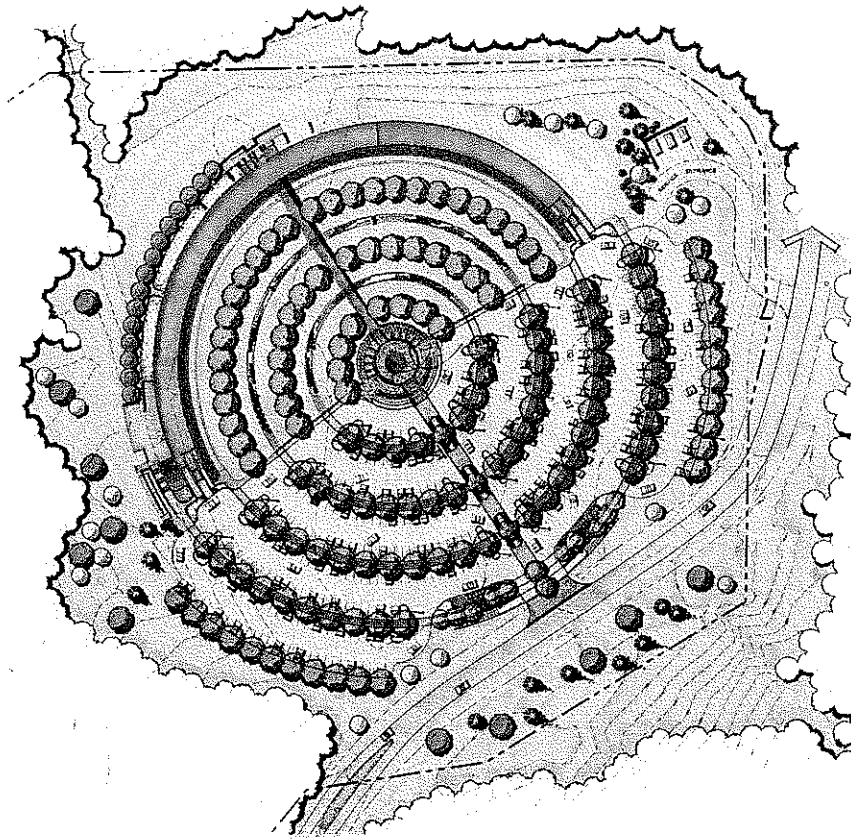
#C980426 (HOK) #C980491 (LDA)  
#C990244 (Pittsburgh Pirates)

### **Work Tasks/Services**

- Civil site layout
- Flood risk assessment
- Hydrologic and hydraulic studies
- Utility design
- Site design and grading
- Permitting
- Hydrogeologic investigations
- Flood control system
- Coordination with regulatory agencies
- NPDES Permit for industrial discharge
- Complex wall and tieback system design and construction
- Anchor load test monitoring
- Sheet pile wall and anchor construction monitoring

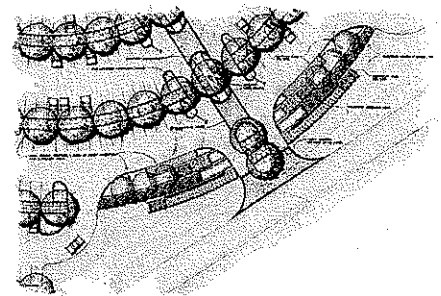


### Chesapeake Energy Eastern Division Headquarters Charleston, West Virginia



GAI Project Manager:  
David Gilmore, ASLA, CLARB  
Project Team:  
GAI Consultants, Inc. (Prime)  
Client:  
Elliott + Associates Architects  
Client Contact:  
Bill Yen  
405 232.9554  
Project Cost:  
\$35 Million  
Completion Date:  
2009

#E070497



#### Brief Project Description

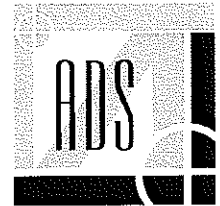
GAI Consultants, Inc. (GAI) was contracted by Elliott and Associates Architects to provide site design services for Chesapeake Energy's Regional Headquarters. The project included preliminary site layout, coordination of subsidence investigation, grading, storm water, utilities, landscaping, and signage. Also included in the project tasks was obtaining permitting through West Virginia Department of Environmental Protection and Army Corp of Engineers. In addition to the permitting, the building and site were designed using the LEED (Leadership in Energy and Environmental Design) rating system to attain a silver or gold designation. The site LEED elements included capturing rainwater for reuse to supplement the site irrigation system, and minimizing site footprint. The site supports a 4-story 121,000-square-foot building that contains 366 offices, an employee cafeteria, and a 6,500-square-foot fitness center.

#### Work Tasks/Services

- Preliminary site layout
- Coordination of subsidence reports
- Grading
- Storm water design
- Coordination of lighting and irrigation design
- Utility design
- Landscaping/signage design
- Permitting (WVDEP, Corps of Engineers)
- Assist in LEED requirements



102 Leeway Street  
 Morgantown, WV 26505  
 Phone: (304)599-0771  
 Fax: (304)599-0772  
[www.alleghenydesign.com](http://www.alleghenydesign.com)



**CONSULTING ENGINEERING FIRM SPECIALIZING  
 IN STRUCTURAL BUILDING DESIGN  
 AND BUILDING ANALYSIS**



**OFFICE BUILDINGS**

Allegheny Design Services is a consulting engineering firm specializing in structural building design and building analysis.

Dedicated to serving West Virginia and the surrounding region, ADS recognizes the need for reliable and full service structural engineering support. ADS provides all phases necessary for the successful completion of a building project including schematic design studies, design development, construction documents and specifications, and construction administration.

Over 20 years in Design and Project Management of:

- Commercial
- Industrial
- Institutional
- Educational Facilities



**MIXED USE**



**PARKING GARAGES**



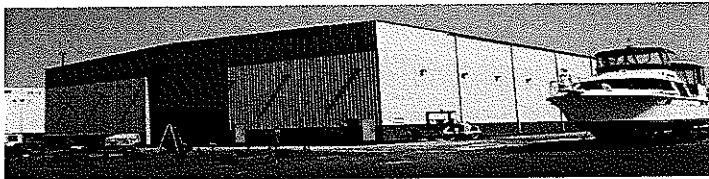
**HOTEL  
 CONFERENCE CENTERS**



**ATHLETIC FACILITIES**



**SECONDARY EDUCATION**



**METAL BUILDING SYSTEMS**



**HEALTH CARE**



# **Allegheny Design Services**

*Structural Engineering*

102 Leeway Street

Morgantown, WV 26505

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Fax: (304)599-0772

E-mail: [Dave@AlleghenyDesign.com](mailto:Dave@AlleghenyDesign.com)

Web: [www.AlleghenyDesign.com](http://www.AlleghenyDesign.com)

## **FIRM PROFILE**

Allegheny Design Services is a consulting engineering firm specializing in structural building design and building analysis.

Dedicated to serving West Virginia and the surrounding region, ADS recognizes the need for reliable and full service structural engineering support. ADS provides all phases necessary for the successful completion of a building project including schematic design studies, design development, construction documents and specifications, and construction administration. We currently hold licenses in West Virginia, Virginia, Maryland, Pennsylvania, and District of Columbia

ADS's experience exceeds twenty-five years in the Design and Project Management of:

Commercial Facilities

Industrial Facilities

Institutional Facilities

Educational Facilities

ADS was established by David Simpson, P.E., MBA, in 2002 as a result of a need in North Central West Virginia for reliable structural engineering services. ADS utilizes a combination of office technology and a motivated staff to deliver projects typically up to \$25 million in construction value. We have completed design work for over \$150 million in construction since our inception. Our clients include architects, contractors, developers, attorneys, and insurance companies.

Building systems delivered by ADS include structural steel, reinforced concrete, precast concrete, and structural timber. ADS currently utilizes the latest engineering design and drafting software for the development of project work.

ADS is covered under a \$1 million liability policy for errors and omissions through Beazley Insurance Company.



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## **KEY PERSONNEL**

### **David R. Simpson, P.E., SECB, MBA, President**

West Virginia Institute of Technology, BSCE

West Virginia University, MBA

Structural Engineering Certification Board

P.E. Licenses in the following States:

West Virginia

Pennsylvania

Maryland

Virginia

District of Columbia

National Council of Examiners for Engineering and Surveying

### **Michael L. Sipe, E.I., Engineering Intern**

West Virginia Institute of Technology, BS Mechanical Engineering

West Virginia University

Structural Analysis

Steel Design

Reinforced Concrete Design

### **Jason D. Robinson, E.I., Engineering Intern**

West Virginia University, BS Civil Engineering





# **Allegheny**

## **Design Services**

*Structural Engineering*

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## **David R. Simpson, P.E., SECB, MBA**

### **President**

#### **Education:**

West Virginia Institute of Technology  
B.S. Civil Engineering

West Virginia University  
Masters Business Administration

West Virginia State College  
Architectural Technology

#### **Professional Registrations:**

Year first registered: 1983  
Structural Engineering Certification Board  
West Virginia  
Pennsylvania  
Maryland  
Virginia  
District of Columbia  
National Council of Examiners for Engineering and Surveying

#### **Professional Memberships:**

American Society of Civil Engineers  
Structural Engineering Institute, Charter Member  
American Concrete Institute  
American Institute of Architects – West Virginia Chapter  
American Institute of Steel Construction, Inc.  
American Iron and Steel Institute Member

#### **Continuing Education:**

2005 AISC Specification for Structural Steel Buildings – September 27, 2006 – Pittsburgh, PA  
ASCE Testifying Skills for Engineers – February 16, 2007 – Orlando, FL

#### **Professional Experience:**

Responsible for project management and design at Allegheny Design Services. Experience includes over 24 years in structural design and project management for industrial, commercial, institutional, and nuclear/chemical facilities utilizing steel, concrete, masonry, and wood. Past accomplishments include design and construction administration of health care facilities, hotels, schools, shopping centers, aircraft hangars, numerous retail facilities, and numerous forensic engineering assignments. Experience has been obtained from the following assignments:

## Experience Record:

Allegheny Design Services, LLC, President,	May 2002 to Present
R.M. Gensert and Associates, Vice President,	August 1998 to May 2002
West Virginia University, Assoc. Director Construction	August 1988 to August 1998
Simpson Engineering, Owner	August 1988 to August 1998
CECO Buildings Division, Senior Structural Engineer	April 1985 to August 1988
Rockwell International, Facility Structural Engineer	March 1982 to April 1985
Bellard Ladner & Assoc., Staff Structural Engineer	Sept. 1981 to March 1982
PPG Industries, Facility Structural Engineer	January 1980 to Sept. 1981

## Additional Professional Experience:

Experience encompasses design, project management, and construction administration for reinforced concrete, structural steel, precast concrete, masonry, and wood structures.

Project experience includes:

Fairmont Senior High School, Fairmont, WV  
Belmont Community Center, St. Clairsville, OH  
Monongalia General Hospital Operating Room Addition, Morgantown, WV  
Chestnut Ridge Church, Morgantown, WV  
West Virginia University Business and Economics Building, Morgantown, WV  
West Virginia University High Density Book Storage Facility, Morgantown, WV  
West Virginia University Life Sciences Building, Morgantown, WV  
West Virginia University Student Recreation Center, Morgantown, WV  
West Virginia University Wise Library Addition, Morgantown, WV  
West Virginia University White Hall Computer Center, Morgantown, WV  
UPMC Hillman Cancer Center, Pittsburgh, PA  
Carnegie Museum of Natural History Addition, Pittsburgh, PA  
Cultural Trust District Parking Garage, Pittsburgh, PA  
Delaware Valley Veterans' Home, Philadelphia, PA  
Fairmont State University Parking Garage, Fairmont, WV  
First Avenue Parking Garage, Pittsburgh, PA  
Hillman Cancer Center (UPMC), Pittsburgh, PA  
New Enterprise Precast Corporate Headquarters, New Enterprise, PA  
Respiroics Corporate Office Facility, Pittsburgh, PA  
International Brotherhood of Electrical Workers Headquarters Training Center, Pittsburgh, PA  
Laurel Highlands Middle School Addition, Uniontown, PA  
Trinity High School, Morgantown, WV  
Mylan Pharmaceuticals Parking Garage, Morgantown, WV  
Phipps Conservatory Addition, Pittsburgh, PA  
Radisson Hotel and Conference Center, Morgantown, WV  
Western Pennsylvania School for Blind Children, Pittsburgh, PA  
In-Situ Vitrification Nuclear Waste Encapsulation Project, Richland, WA  
Dominion Transmission Office Building, Clarksburg, WV  
Multiple structural evaluations and expert witness for structural damage due to subsurface mining subsidence, floods, ice, wind, and construction errors  
Over 400 low-rise metal building projects from Maine to South Carolina, including warehouses, aircraft hangar facilities, shopping centers, industrial facilities, and office facilities



# Allegheny Design Services

*Structural Engineering*

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Web: [www.AlleghenyDesign.com](http://www.AlleghenyDesign.com)

## Michael L. Sipe, E.I. Engineering Intern

### Education:

West Virginia University Institute of Technology  
B.S. Mechanical Engineering  
Minor: Mathematics

### Awards/Achievements/Organizations:

Deans List, last 4 completed semesters  
Member of Pi Tau Sigma  
Member of AISC  
Associate Member of ASCE

### Professional Registrations:

West Virginia, Engineering Intern License # 8519

### Professional Experience:

Responsibilities include structural engineering design, construction documents, quality control, field engineering and project engineering.

#### Experience record:

Avery Court Apartments, Parkersburg, WV  
Cutlip Christie Office Complex, Clarksburg, WV  
Dominion Exploration Addition, Jane Lew, WV  
Fairmont State University Smoke Vents, Fairmont, WV  
Finite Element Analysis of Various Material Handling Structures  
Gassaway Bank, Flatwoods, WV  
Glenmark Office Building, Morgantown, WV  
Greer Limestone Conveyor Structure Renovations, Morgantown, WV  
Morgantown Event Center, Morgantown, WV  
Pressley Ridge School Residence Hall & Dining Facilities, Clarksburg, WV  
Proplex Athletic Training Facility, Morgantown, WV  
Waterfront Marina, Morgantown, WV  
West Milford Elementary School Classroom Addition, West Milford, WV  
WVU Downtown Student Housing, Morgantown, WV  
WVU Puskar Academic Center, Morgantown, WV

### Courses and Continuing Education:

WVU Structural Analysis I, Spring 2006  
WVU Steel Design, Fall 2006  
WVU Reinforced Concrete Design, Spring 2007  
AISC Design Steel Your Way with the 2005 AISC Specification, September 2006  
ASCE Steel Framed Buildings, May 2007  
AISC Façade Attachments to Steel Frames, September 2007  
ASCE Reinforced Masonry: Design and Construction, November 2007



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Web: [www.AlleghenyDesign.com](http://www.AlleghenyDesign.com)

**Jason D. Robinson, E.I.**  
**Engineering Intern**

**Education:**

West Virginia University  
B.S. Civil Engineering

**Awards/Achievements/Organizations:**

Dean's List  
Member of AISC  
Associate Member of ASCE

**Professional Registrations:**

West Virginia, Engineering Intern License #8699

**Professional Experience:**

Responsibilities include structural engineering design, construction documents, quality control and field engineering.

**Experience record:**

Gabriel Brothers Renovation, Clarksburg, WV  
Goshen Baptist Church, Morgantown, WV  
Mylan Upper Warehouse to Labs, Morgantown, WV  
The Dayton, Morgantown, WV  
The View at the Park Phase 2, Morgantown, WV

**Courses and Continuing Education:**

WVU Steel Design – Fall 2007  
AISC Façade Attachments to Steel Frames, September 2007  
ASCE Reinforced Masonry: Design and Construction, November 2007





**Allegheny**  
Design Services

ARCHITECTS ENGINEERS PLANNERS

## PROJECT PROFILE

### Biomedical Science Tower, BST3 University of Pittsburgh Pittsburgh, PA



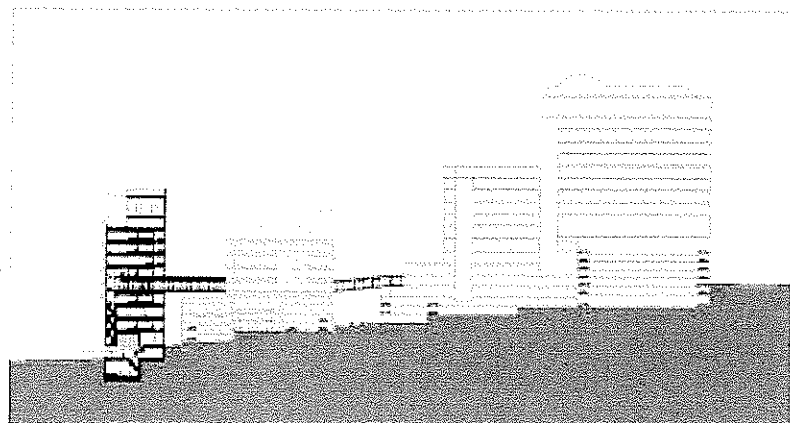
**PROJECT ARCHITECT:** Payette Associates, Boston, MA  
**STRUCTURAL ENGINEER:** David Simpson of Allegheny Design Services under employ of R.M. Gensert Associates

#### PROJECT FEATURES:

- 11 story concrete and steel structure
- 331,000 sq. ft. research lab facility
- Two-floor sky lobby
- Sky bridge connector

**PROJECT VALUE:** \$188 Million

**PROJECT COMPLETION:** 2005

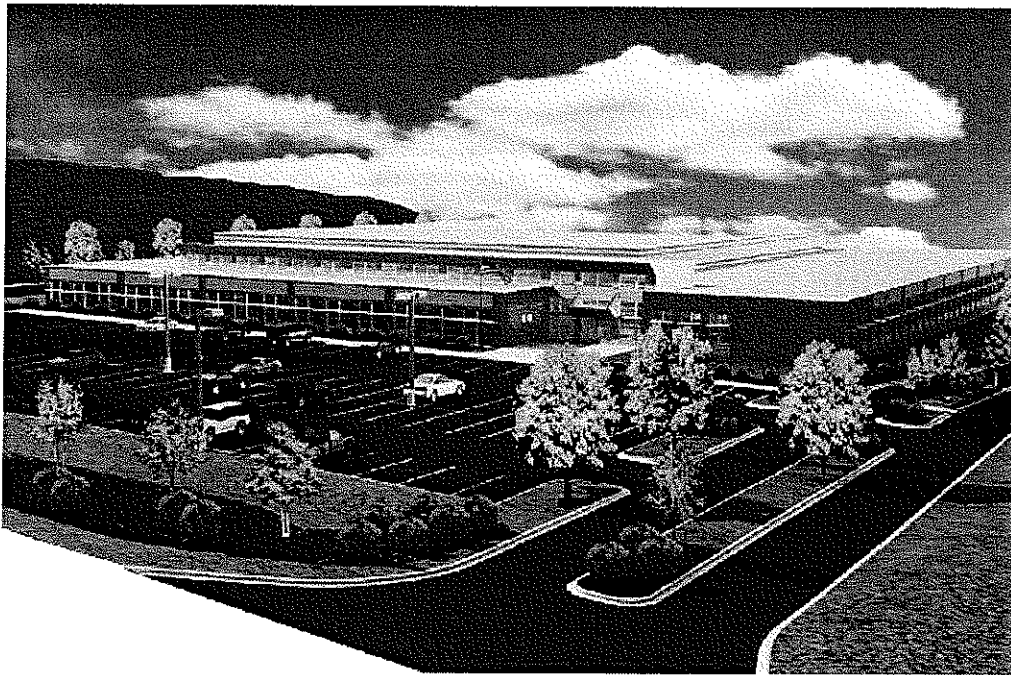




**Allegheny**  
Design Services

## PROJECT PROFILE

### GSA - Department of Energy Morgantown, WV



The General Services Administrations For  
**The United States Department of Energy**  
Morgantown, West Virginia



**PROJECT ARCHITECT:**  
**STRUCTURAL ENGINEER:**  
**CONTRACTOR:**

Paradigm Architecture, Morgantown, WV  
Allegheny Design Services, Morgantown, WV  
DCK, Pittsburgh, PA

#### PROJECT SCOPE:

A new modern office and records storage building for the United States Department of Energy Office of Legacy Management. Awarded through a Design-Build Competition sponsored by the General Services Administration. This one story building includes 37,000 square feet of NARA Certified Records Storage space and additional spaces for administrative offices, receiving/processing, and meetings/research areas.

**PROJECT VALUE:**

\$ 8 Million (Shell)

**ESTIMATED PROJECT COMPLETION:**

Fall 2009

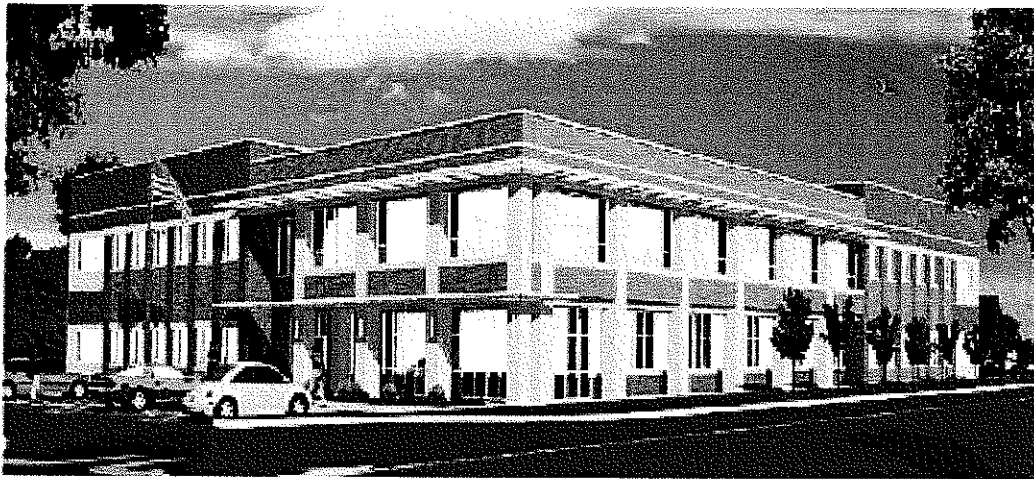


**Allegheny**  
Design Services

500 MARKET STREET, SUITE 1000  
MORGANTOWN, WV 26501  
304.241.1111

## PROJECT PROFILE

### GSA Sabraton (USDA) Morgantown, WV



**GSA USDA Project**  
Morgantown, West Virginia



**PROJECT ARCHITECT:**  
**STRUCTURAL ENGINEER:**  
**CONTRACTOR:**

Paradigm Architecture, Morgantown, WV  
Allegheny Design Services, Morgantown, WV  
March-Westin Company, Inc , Morgantown, WV

#### **PROJECT SCOPE:**

Awarded through a Design-Build Competition sponsored by the General Services Administration. This facility will house five agencies of the USDA including: the Credit Union, Rural Development, Farm Services Administration, Natural Resource Conservation services, and the USDA Information Technology Services.

**PROJECT VALUE:**

\$6.5 Million (Shell)

**ESTIMATED PROJECT COMPLETION:**

Fall 2009

## PROJECT PROFILE

### University of Pittsburgh Medical Center Horizon Medical Systems Ferrel, PA



**BEFORE**



**AFTER**

**PROJECT ARCHITECT:** IKM Inc., Pittsburgh, PA  
**STRUCTURAL ENGINEER:** David Simpson of Allegheny Design Services, Morgantown, WV  
with R. M. Gensert Associates, Pittsburgh, PA  
**OWNER:** UPMC Horizon

**PROJECT SCOPE:**

The project was an \$8 million renovation to operating rooms, staff offices, and emergency room facilities. The emergency room entrance was transformed into a more functional and aesthetically pleasing attribute. Work was completed in 2000.

**PROJECT VALUE:** \$8 million

**PROJECT COMPLETION:** 2000