

**West Virginia Army National Guard
Camp Dawson
Kingwood, West Virginia**

**Sealed Bid
Buyer: #32 - John Abbott
Req#: DEFK9019**

**Expression of Interest
Architectural and Engineering Services**

**April 1, 2009
1:30 pm**

RECEIVED

2009 APR -1 A 10: 01

PURCHASING DIVISION
STATE OF WV



27 March 2009

Department of Administration
Purchasing Division
2019 Washington Street, East
Charleston, West Virginia 25305-0130

RE: EOI for West Virginia Army National Guard, Camp Dawson, Kingwood, West Virginia

Mr. Abbott:

Paradigm Architecture Inc. is pleased to submit this Expression of Interest for Camp Dawson for the West Virginia National Guard in Kingwood, West Virginia. We have assembled a team of West Virginia based professionals with appropriate project experience and ability to complete this project.

Our proposal includes our Firm Profile, a brief History, References, staff Resumes, and a sampling of Projects we have been privileged to work on. We have successfully completed many different government projects, including current office buildings for the **United States Department of Agriculture** and the **United States Department of Energy** in Morgantown, WV. In addition, our staff also completed the **Clarksburg Federal Center** and the **Charleston Federal Center** while employed at other firms. Both of these projects received Excellence in Construction Awards from the Associated Builders and Contractors. Our experience also includes hotel and conference centers, student housing, and other residential facilities. Examples of these include **Two Waterfront Place Hotel and Conference Center**, **West Virginia University Downtown Student Housing**, and **Glade Springs Resort and Conference Center**. We have many active local projects and strong client relationships as demonstrated by our repeat business with **Glade Springs Resort**, **West Virginia University**, **Fairmont State University**, **Davis and Elkins College**, and the **Waterfront Development** in Morgantown, WV.

Our team consists of specialized engineers and consultants that share our commitment to service and quality and will best serve the technical requirements and demands of this project. **KCI Technologies, Inc.** will provide Civil Engineering services. **Allegheny Design Services** will provide Structural Engineering services. **Tower Engineering** will provide Mechanical, Electrical, and Plumbing Engineering services. We have extensive professional relationships with these engineers and have successfully completed many projects together.

Paradigm Architecture is a service-oriented architectural design firm capable of taking a project from inception to completion through the phases of schematic design, design development, construction and contract documents, bidding/negotiation, construction administration, and closeout procedures. We are able to meet a client's needs and expectations while upholding the budget and project deadlines.

It is our goal to provide a high level of personal service and design solutions that reflect the unique image and purpose of our clients. We welcome the opportunity to work with you on this project.

Best regards,

A handwritten signature in black ink, appearing to read "Paul Walker", is written over a circular stamp.

Paul Walker, AIA
President, Paradigm Architecture

2450 Valleydale Road • Suite 150
Birmingham, AL 35244
Tele 205•403•2742 205•403•2743 Fax

2223 Cheat Road • Suite 300
Morgantown, WV 26508
Tele 304•284•5015 304•284•5014 Fax

Paradigm by definition means an example that serves as pattern or model. The goal of Paradigm Architecture is to be an example in client service, design quality, and technical proficiency. We practice architecture. For every project, Paradigm works closely with the unique requirements of the particular client to design a structure that reflects both the appropriate image and proper function to optimize the working or living environment.

EXPERIENCE

Paradigm Architecture has experience in a broad range of project types. This work includes private individual, corporate, governmental, educational, and institutional clients.

Governmental:

Members of Paradigm have been involved in projects for the Federal Government in Charleston and Clarksburg, West Virginia. These commissions were awarded through design competitions and involved office space for Social Security, the Federal Bureau of Investigation, the Drug Enforcement Agency, the Small Business Administration, and hearing rooms for SSA Hearings and Appeals. Paradigm is also currently involved in several projects for the GSA in the Morgantown area.

Residential:

Paradigm's residential experience spans a variety of client types. Student Housing/dormitory facilities for higher education, hotel projects, elderly housing, and private residential that includes single family homes, townhouses, and high end condominium units.

Corporate:

Paradigm has designed entire office buildings as well as tenant fit-up spaces for clients such as Jackson Kelly PLLC, A.G. Edwards, Acordia, Petroplus & Associates Inc., National Biometric Security Project, Simpson & Osborne, DMJM Harris, and the West Virginia University Foundation. Projects also include banking regional and branch offices.

Educational:

Higher Educational experience includes administrative office space, parking facilities, student housing, libraries, student centers, athletic facilities, and classroom and research laboratory facilities. We have worked on campuses that include: West Virginia University, Fairmont State University, Davis and Elkins College, The College of West Virginia, Hampden Sydney College, Wake Forest University, Ayers State Technical College, The University of North Carolina at Greensboro, and The University of Alabama at Birmingham. Paradigm's staff has also been involved in educational facilities at the elementary and high school level including new and renovated buildings.

Religious:

Paradigm has had the distinct privilege of working on a variety of churches and other religious projects. Among them are: Chestnut Ridge Church, Goshen Baptist Church, Daniels Missionary Baptist Church, The Greek Orthodox Church, A Flame for Christ Ministries, Southridge Church, Family Life Assembly, Faith United Methodist Church, and Chestnut Mountain Ranch in West Virginia and Mountaintop Community Church, Fullness Christian Fellowship, Cahaba Ridge, A Church with a Vision, and The Foundry in Alabama.

Institutional:

Medical and retirement life care projects dominate our staff's institutional portfolio. Medical projects include outpatient surgery centers, patient care rooms, emergency medicine, surgery suites, labor & delivery suites, Magnetic Resonance Imaging, X-ray diagnostic services, and heart catheterization spaces for hospital clients, radiation and chemotherapy treatment areas in cancer centers, and professional medical office space for private physicians. Retirement life care facilities range from independent elderly housing and assisted living facilities to full nursing care centers.



Firm History

Paradigm Architecture was formed in October of 2000 by a group of likeminded individuals who believe that architecture provides the opportunity to practice the career that we love.

We as individuals and as team members of a firm have a responsibility to exhibit that passion in the manner in which we live our lives.

We chose the name Paradigm because it means a model that serves as an example.

This represents our highest ideals...
that our architecture would serve as an example
that our client service would serve as an example
that our service to our God would serve as an example

Originally established in Birmingham, Alabama, Paradigm Architecture expanded in 2002 by opening an office in Morgantown, West Virginia. Our staff of eleven includes five registered architects, one intern architect, three CAD designers, and two administrative assistants. We utilize the most current technical hardware and software including AutoCAD, Revit, 3D site and building rendering programs, and Speclink specifications software.

It is our belief that we should assemble consultants that are uniquely skilled to satisfy the particular requirements of a project. We have close professional relationships with many engineers and specialized consultants and choose those that we feel will best serve the technical specialization, location of the work and sometimes even personality of the client. We choose not to work with firms who do not share our commitment to service and quality.

We are proud to have been involved in numerous projects, which have been honored with Excellence in Construction awards by the Associated Builders & Contractors, Inc.:

- 2007 – Waterfront Marina, Morgantown, West Virginia
- 2007 – Chestnut Ridge Church, Morgantown, West Virginia
- 2004 – Madden Student Center at Davis and Elkins College, West Virginia
- 2004 – Two Waterfront Place Hotel and Conference Center, Morgantown, West Virginia
- 2003 – The Jackson Kelly Building, Morgantown, West Virginia

We have also been honored with:

- The Top Block Award from the Alabama Masonry Institute for
2004 – Russell Professional Office Building III, Alexander City, Alabama
- The Circle of Design Excellence Award from the Pittsburgh Corning Glass Block for
2004 – Lightning Strikes Family Fun Center, Trussville, Alabama

We are currently involved with Green Construction on the following projects:

- 2009 – United States Department of Energy Office of Legacy Management, Morgantown, West Virginia
(LEED Gold Certification is pending)
- 2009 – United States Department of Agriculture Office Building, Morgantown, West Virginia
(LEED Certification is pending)

Paradigm Architecture has established a solid base of clientele in both Alabama and West Virginia. We continue to develop business relationships, which promote additional growth and further expand our project repertoire. We look forward to every opportunity to demonstrate our commitment to serving as an example in architecture.



Quality Control and Management

It has always been our philosophy that successful projects are the result of successful team relationships. And on any given construction project there are a lot of relationships that come into play: owners, developers, facilities managers, architects, engineers, contractors, subcontractors, financial institutions, attorneys, code agencies, tenants... We have learned a lot about how to work successfully together with all parties involved. Every project, whether large or small, is unique and requires strong leadership. Being a small business, you can be assured that local, senior staff and an experienced project manager will be assigned to all of our projects. Based on the specific requirements of the project, we always put together a team of consultants and staff who would best serve the needs of that individual project and client – while always maintaining a constant flow of communication and personal service with the owner. We have relationships with some of the best consulting companies in the region and the country to bring together the appropriate talents to meet the needs of a particular project. We currently have active relationships with consultants in WV, AL, IN, MI, OH, TX, NY, and PA.

Paradigm Architecture prides itself on streamlining our project delivery and management methods. One of the ways we do this is to utilize the latest technology, including web based project collaboration sites, electronic communication, electronic submittals for review and approval, video conferencing and the latest software packages for 3d renderings, Computer Aided Drafting (CAD), and Building Information Modeling (BIM). Our current software packages include Autocad Architecture 2009, Revit Architecture 2009, 3d Studio, and Speclink. Far from the older methods of hand drafting, these tools help us to deliver faster and better coordinated projects, have fewer problems in the field, and provide the owner with excellent visualization tools during project development. We are always pursuing additional training and education for all our staff, including "in house" workshops, seminars, and online education for topics such as green building, BIM, project delivery and management, and current codes.

We have successfully used a wide range of project delivery types on both public and private projects: design-bid-build, negotiated, design-build, develop-design-build, fast track, construction management agency, and construction management where the construction manager is also the contractor. We have extensive experience on fast-track construction projects, ranging from \$1 million to \$35 million. We assist the owner in developing critical path items and developing multiple early release packages while the design is still ongoing. These packages typically include initial site work, foundation, superstructure, long lead equipment, shell, and interior fit out. Although there are greater risks that must be assumed by the owner with this method, the benefits from meeting tight deadlines typically outweigh these risks. Expedient decisions must be made by all involved and open lines of communication and transparency are crucial. On any given type of project delivery, we have a quality control plan that includes developing an initial schedule with the owner for the entire project, through the design, bid, and construction phases. Milestone points will be established and will include deliverables from both the design team and the owner. These milestone points will include sets of progress drawings and specifications for both the owner's and design team's review. We have an extensive "in house" coordination and review process that includes engineering coordination, specification coordination, code and life safety reviews, and the owner's program review. Before moving to each subsequent phase, the Owner will have an opportunity to review and "sign off" on each progress set so that all parties are always clear as to the direction the project is heading.



Quality Control and Management

Using internal cost data, and national databases, we are able to provide the Owner rough order of magnitude and schematic cost estimating for initial project development. We often conduct feasibility studies for clients to help them with initial project evaluations. For projects under \$1 million we will provide more detailed cost estimating "in house" and have consistently been within an expected 10% range on bid day. However, unlike many architects and engineers, we feel that utilizing the services of a contractor or construction manager is extremely beneficial to the design process and helps keep the project moving in the right direction. Their services, such as cost estimating, constructability reviews, value engineering, current bid market analysis, and CPM scheduling have proven to be valuable assets to both the architect and owner. They are the experts in this area, just as we are the experts in the area of design, so why shouldn't we work together from day one to give the owner the best possible project? Therefore we often suggest that these services be used on medium and large projects. If a project's funding sources do not allow for the general contractor to fill this role until the design is complete, then we can provide this role as consulting services under our contract. At times, we recommend both the architect and owner hire these consultants so that two third party reviews can be conducted and then any major differences be reconciled prior to bidding the project. Using these unique approaches we find that it is rare for one of our projects to be over budget or behind schedule.

Today, everyone is concerned with energy conservation, life cycle analysis, and green building techniques, and Paradigm Architecture is no different. We are currently working on two projects that will be LEED Certified. In addition, we have been able to assist clients who are interested in applying green building techniques such as improving the energy efficiency of the building and reducing long term life cycle costs, even though they may not wish to pursue LEED Certification. Being a relatively new science we are currently using consultants who are experts in this field. However, our staff is actively pursuing LEED Accreditation and green building education. All of our consultants have experience with not only green building construction but also life cycle cost evaluations, value engineering, and materials/systems comparisons in order to give the Owner the best value in a project.

Although this is only a summary of our quality control and management procedures, we hope it has helped you gain insight into the services that we provide. We also actively review our internal operations and gather feedback from clients, consultants and contractors. We will quickly make firm wide adjustments when we see areas that could be improved in order to continue providing excellent service. We think this model of excellent service is acknowledged by our continued and growing list of repeat clients. We welcome you to call any of our references for further insight into how we may best serve you.



References

Mr. John Thompson
Manager of Construction Services
West Virginia University
979 Rawley Avenue
Morgantown, West Virginia
(304) 293-3625

Mr. Brian Johnson
Bright Enterprises for
Glade Springs Resort
300 Greenbrier Road
Summersville, West Virginia
(304) 872-3000

Mr. Rich Lane
Petroplus & Associates, Inc.
Platinum Properties
Two Waterfront Place, Suite 1201
Morgantown, West Virginia
(304) 284-5000

Mr. John Sommers
Project Management
West Virginia University
Planning, Design and Construction
979 Rawley Avenue
Morgantown, West Virginia
(304) 293-7478

Mr. Tim Haring
Chestnut Ridge Church
Senior Pastor
2223 Cheat Road
Morgantown, West Virginia
(304) 594-0548

Mr. Pat Stinson
Alliance Construction
320 S. Walker St.
Princeton, West Virginia 24740
(304) 487-5802

Mr. Phil Weser, P.E.
March Westin Company
360 Frontier Street
Morgantown, West Virginia
(304) 599-4880

Mr. James Decker
Fairmont State University
1201 Locust Avenue
Fairmont, West Virginia
(304) 367-4100

Mr. Ron Selders
Davis & Elkins College
100 Campus Drive
Elkins, West Virginia
(304) 637-1900

Mr. Tony Napolillo
Project Manager
West Virginia University
Planning, Design and Construction
979 Rawley Avenue
Morgantown, West Virginia
(304) 293-7478

Mr. Mike Staud
Principal, Construction Director
Trinity Christian School
Morgantown, West Virginia
(304) 291-4659



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
DEFK9019

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
JOHN ABBOTT
304-558-2544

VENDOR

RFQ COPY
TYPE NAME/ADDRESS HERE
 Paradigm Architecture
 2223 Cheat Rd, Suite 300
 Morgantown, WV 26508

SHIP TO

DIV ENGINEERING & FACILITIES
ARMORY BOARD SECTION

1707 COONSKIN DRIVE
CHARLESTON, WV
25311-1099 341-6368

| | | | | |
|-----------------------------------|---------------|----------|--------|---------------|
| DATE PRINTED 03/12/2009 | TERMS OF SALE | SHIP VIA | F.O.B. | FREIGHT TERMS |
|-----------------------------------|---------------|----------|--------|---------------|

BID OPENING DATE: **04/01/2009** BID OPENING TIME **01:30PM**

| LINE | QUANTITY | UOP | CAT NO | ITEM NUMBER | UNIT PRICE | AMOUNT |
|---|----------|-----|--------|---------------|------------|--------|
| 0001 | 1 | LS | | 906-00-00-001 | | |
| ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL CONTRACT TO PROVIDE ARCHITECT & ENGINEERING SERVICES FOR THE WEST VIRGINIA ARMY NATIONAL GUARD, CAMP DAWSON KINGWOOD, WV LOCATION, PER THE ATTACHED DOCUMENTATION. NOTICE A SIGNED BID MUST BE SUBMITTED TO: DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130 THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED: SEALED BID BUYER: JOHN ABBOTT----- RFQ. NO.: DEFK9019----- | | | | | | |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

| | | |
|---------------------------|------------------------------------|-----------------------------------|
| SIGNATURE | TELEPHONE (304) 284-5015 | DATE 3/27/2009 |
| TITLE President | FAX 63-1263568 | ADDRESS CHANGES TO BE NOTED ABOVE |

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



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

Request for Quotation

RFQ NUMBER
DEFK9019

PAGE
2

ADDRESS CORRESPONDENCE TO/ATTENTION OF
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304-558-2544

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 Morgantown, WV 26508

SHIP TO
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 ARMORY BOARD SECTION
 1707 COONSKIN DRIVE
 CHARLESTON, WV
 25311-1099 341-6368

| DATE PRINTED | TERMS OF SALE | SHIP VIA | FOB | FREIGHT TERMS |
|--------------|---------------|----------|-----|---------------|
| 03/12/2009 | | | | |

BID OPENING DATE: **04/01/2009** BID OPENING TIME **01:30PM**

| LINE | QUANTITY | UOP | CAT NO | ITEM NUMBER | UNIT PRICE | AMOUNT |
|--|----------|-----|--------|----------------|------------|--------|
| BID OPENING DATE: | | | | 04/01/2009 | ----- | |
| BID OPENING TIME: | | | | 1:30 PM | ----- | |
| PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: | | | | | | |
| | | | | (304) 284-5014 | ----- | |
| CONTACT PERSON (PLEASE PRINT CLEARLY): | | | | Paul A. Walker | | |
| | | | | ----- | | |
| ***** THIS IS THE END OF RFQ DEFK9019 ***** TOTAL: _____ | | | | | | |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: TELEPHONE: (304) 284-5015 DATE: 3/27/2009

TITLE: President FEIN: 63-1263568 ADDRESS CHANGES TO BE NOTED ABOVE

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

STATE OF WEST VIRGINIA
Purchasing Division**PURCHASING AFFIDAVIT****VENDOR OWING A DEBT TO THE STATE:**

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

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code*. The vendor **must** make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code* and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the *West Virginia Code* may take place before their work on the public improvement is begun.

ANTITRUST:

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

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

LICENSING:

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

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.

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

Vendor's Name: Paradigm ArchitectureAuthorized Signature: Date: 3/27/2009



Paul A. Walker, AIA

President and Design Architect

Mr. Walker has twenty-six years of experience as an architect and received his registration in 1986. He became a business owner in October 2000 when he created Paradigm Architecture. Mr. Walker's design responsibilities include programming, development of construction documents, project management, and construction administration. Among the variety of projects he has designed and supervised are: commercial, corporate, educational, governmental, industrial, institutional, recreational, religious, and residential. The scope of projects ranges from a few thousand dollars to over 30 million dollars.

EDUCATION

University of Tennessee, Knoxville, Tennessee
Bachelor of Architecture, 1982

ARCHITECTURAL REGISTRATION

NCARB Certificate No. 53858
West Virginia No. 2626
North Carolina No. 4910
Alabama No. 5398

PROFESSIONAL, CIVIC AND OTHER ACTIVITIES

American Institute of Architects
Board Member, Chestnut Ridge Church

AWARDS AND HONORS

Chestnut Ridge Church, Morgantown, West Virginia
Waterfront Marina, Morgantown, West Virginia
2007 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Two Waterfront Place Hotel & Conference Center, Morgantown, West Virginia
Madden Student Center at Davis & Elkins College, Elkins, West Virginia
2004 Excellence in Construction Award, Associated Builders & Contractors, Inc.

The Jackson Kelly Building, Morgantown, West Virginia
2003 Excellence in Construction Award, Associated Builders & Contractors, Inc.

One Waterfront Place, Morgantown, West Virginia
2002 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Russell Cancer Center, Alexander City, Alabama
2001 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Charleston Federal Center, Charleston, West Virginia
2000 Excellence in Construction Award, Associated Builders & Contractors, Inc.
2000 Development Project Special Recognition Award, Charleston Renaissance Corporation

Clarksburg Federal Center, Clarksburg, West Virginia
1999 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Para-digm - (pär'e-dim') n. An example that serves as pattern or model.



Paul A. Walker, AIA

Representative Projects

**United States Department of Energy
Office of Legacy Management
Records Storage Facility
Morgantown, West Virginia**
Estimated Completion: Fall 2009
Cost: \$8 Million (Shell)

Charleston Federal Center*
Charleston, West Virginia
Completed: Winter 2000
Cost: \$10 Million

**Glade Springs Resort
and Conference Center
Daniels, West Virginia**
Completed: Fall 2005
Cost: \$6 Million

**The View at the Park
Morgantown, West Virginia**
Completed: Summer 2004
Cost: \$6 Million

**The View II
Morgantown, West Virginia**
Estimated Completion: Spring 2009
Cost: \$12 Million

**West Virginia University
Downtown Student Housing
Morgantown, West Virginia**
Estimated Completion: Summer 2009
Cost: \$15.3 Million

**The Dayton Student Housing
Morgantown, West Virginia**
Completed: Fall 2008
Cost: \$3.3 Million

**West Virginia University
Intermodal Garage
Morgantown, West Virginia**
Estimated Completion: Fall 2009
Cost: \$14.5 Million

**Marina Tower
Morgantown, West Virginia**
Estimated Completion: Spring 2009
Cost: \$10 Million (Shell)

* Key involvement in project with firm(s) other than Paradigm Architecture, Inc.

**United States Department of Agriculture
Morgantown, West Virginia**
Estimated Completion: Fall 2009
Cost: \$6.5 Million (Shell)

Clarksburg Federal Center*
Clarksburg, West Virginia
Completed: Summer 2001
Cost: \$9 Million

**Two Waterfront Place
Hotel and Conference Center
Morgantown, West Virginia**
Completed: Summer 2003
Cost: \$35 Million

**Morgantown Event Center
and Parking Garage
Morgantown, West Virginia**
Estimated Completion: Winter 2009
Cost: \$26.3 Million

**Avery Court
Town Homes and Condominiums
Parkersburg, WV**
Estimated Completion: To Be Determined
Cost: \$10 Million

**Fairmont State University
Parking Facility
Fairmont, West Virginia**
Completed: Summer 2004
Cost: \$10 Million

**Davis and Elkins College
Madden Student Center
Elkins, West Virginia**
Completed: Summer 2003
Cost: \$1.5 Million

One Waterfront Place*
Morgantown, West Virginia
Completed: Summer 2001
Cost: \$25 Million

**The Suncrest Corporate Center
Morgantown, West Virginia**
Completed: Spring 2001
Cost: \$1.1 Million



David H. Snider, AIA

Project Manager

Mr. Snider graduated from Auburn University with a degree in architecture and practiced in North Carolina before returning to his hometown of Birmingham, Alabama. He has spent the last eight years of his twenty-three year career with Paradigm Architecture. His responsibilities with Paradigm Architecture have included project management, construction documents, contract administration, and writing specifications. Project experience includes educational, healthcare, churches, libraries, schools, historic office buildings, airports, and commercial facilities.

EDUCATION

Auburn University, Auburn, Alabama
Bachelor of Architecture, 1984

Roofing Technology
The Roofing Industry Educational Institute, 1995

ARCHITECTURAL REGISTRATION

North Carolina No. 05151
Alabama – Pending

PROFESSIONAL, CIVIC AND OTHER ACTIVITIES

American Institute of Architects

AWARDS AND HONORS

Waterfront Marina, Morgantown, West Virginia
2007 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Two Waterfront Place Hotel & Conference Center, Morgantown, West Virginia
2004 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Russell Professional Office Building III, Alexander City, Alabama
2004 Top Block Award, The Alabama Masonry Institute

The Jackson Kelly Building, Morgantown, West Virginia
2003 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Russell Cancer Center, Alexander City, Alabama
2001 Excellence in Construction Award, Associated Builders & Contractors, Inc.



David H. Snider, AIA

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United States Department of Agriculture
Morgantown, West Virginia
Estimated Completion: Fall 2009
Cost: \$6.5 Million (Shell)

The View at the Park
Morgantown, West Virginia
Completed: Summer 2004
Cost: \$6 Million

Marina Tower
Morgantown, West Virginia
Estimated Completion: Spring 2009
Cost: \$10 Million (Shell)

The Jackson Kelly Building
Morgantown, West Virginia
Completed: Spring 2002
Cost: \$4.5 Million (Shell)

Russell Medical Center
Hospice House
Alexander City, Alabama
Completed: Spring 2002
Cost: \$1 Million

Russell Cancer Center*
Alexander City, Alabama
Completed: Spring 2001
Cost: \$3.2 Million

Russell Medical Center
Professional Office Building #3
Alexander City, Alabama
Completed: Spring 2004
Cost: \$4.1 Million

Russell Medical Center
Physical Therapy
Alexander City, Alabama
Completed: Spring 2008
Cost: \$1.6 Million

Russell Medical Center
Emergency Department Renovation
Alexander City, Alabama
Completed: Spring 2008
Cost: \$1.5 Million

Glade Springs Resort
and Conference Center
Daniels, West Virginia
Completed: Fall 2005
Cost: \$6 Million

Two Waterfront Place
Hotel and Conference Center
Morgantown, West Virginia
Completed: Summer 2003
Cost: \$35 Million

Fairmont State University
Parking Facility
Fairmont, West Virginia
Completed: Spring 2004
Cost: \$10 Million

Waterfront Marina
and Boathouse Bistro
Morgantown, West Virginia
Completed: Summer 2007
Cost: \$4.2 Million

Lanier Hospital
Emergency Department Renovations
Valley, Alabama
Estimated Completion: 2009/2010
Cost: \$1.1 Million

Lanier Hospital
ICU Renovations
Valley, Alabama
Completed: Fall 2008
Cost: \$1.6 Million

Lanier Hospital
Surgery Addition
Valley, Alabama
Completed: Summer 2006
Cost: \$4.2 Million

Lanier Hospital
Cardiopulmonary/Pharmacy
Renovations
Valley, Alabama
Completed: Summer 2008
Cost: \$1.165 Million

* Key involvement in project with firm(s) other than Paradigm Architecture, Inc.

2450 Valleydale Road • Suite 150
Birmingham, AL 35244
Tele 205•403•2742 205•403•2743 Fax

2223 Cheat Road • Suite 300
Morgantown, WV 26508
Tele 304•284•5015 304•284•5014 Fax



Grant T. Gramstad, AIA

Project Manager

Mr. Gramstad has fourteen years of experience in the design industry as an intern and registered architect. He has been with Paradigm Architecture since its inception in November 2000. His roles have included project management, design, and supervision of small to mid-sized architectural projects. Project experience includes commercial, corporate, educational, governmental, healthcare, industrial, institutional, recreational, and residential.

EDUCATION

Tulane University, New Orleans, Louisiana
Master of Architecture, 2004

Tulane University, New Orleans, Louisiana
Bachelor of Architecture, Salutatorian, 1993

University of Bath, Bath, England
Junior Year Abroad, 1991-1992

ARCHITECTURAL REGISTRATION

Alabama No. 4897

PROFESSIONAL, CIVIC AND OTHER ACTIVITIES

American Institute of Architects
Certified Construction Contract Administrator

AWARDS AND HONORS

Waterfront Marina, Morgantown, West Virginia
2007 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Lightning Strikes Family Fun Center, Trussville, Alabama
2004 Circle of Design Excellence, Pittsburgh Corning Glass Block

Russell Professional Office Building III, Alexander City, Alabama
2004 Top Block Award, The Alabama Masonry Institute

Two Waterfront Place Hotel & Conference Center, Morgantown, West Virginia
2004 Excellence in Construction Award, Associated Builders & Contractors, Inc.

The Jackson Kelly Building, Morgantown, West Virginia
2003 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Russell Cancer Center, Alexander City, Alabama
2001 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Charleston Federal Center, Charleston, West Virginia
2000 Excellence in Construction Award, Associated Builders & Contractors, Inc.
2000 Development Project Special Recognition Award, Charleston Renaissance Corporation

Clarksburg Federal Center, Clarksburg, West Virginia
1999 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Paradigm - (pär'e-dīm') n. An example that serves as pattern or model.



Grant T. Gramstad, AIA

Representative Projects

**United States Department of Energy
Office of Legacy Management
Records Storage Facility
Morgantown, West Virginia**
Estimated Completion: Fall 2009
Cost: \$8 Million (Shell)

**Glade Springs Resort
and Conference Center
Daniels, West Virginia**
Completed: Fall 2005
Cost: \$6 Million

**Fairmont State University
Parking Facility
Fairmont, West Virginia**
Completed: Spring 2004
Cost: \$10 Million

**Waterfront Marina
and Boathouse Bistro
Morgantown, West Virginia**
Completed: Summer 2007
Cost: \$4.2 Million

Waterfront Parking Garage*
Morgantown, West Virginia
Completion Date: Summer 2001
Project Cost: \$8.2 Million

**Russell Medical Center
Professional Office Building #3
Alexander City, Alabama**
Completed: Spring 2004
Cost: \$4.1 Million

**The Foundry
Women's and Children's Center Renovation
Bessemer, Alabama**
Estimated Completion: Fall 2009
Cost: \$1 Million

**Performance Fitness
and Trussville Rehab
Trussville, Alabama**
Completed: Fall 2003
Cost: \$1.5 Million

**Two Waterfront Place
Hotel and Conference Center
Morgantown, West Virginia**
Completed: Summer 2003
Cost: \$35 Million

Charleston Federal Center*
Charleston, West Virginia
Completed: Winter 2000
Cost: \$10 Million

**The View at the Park
Morgantown, West Virginia**
Completed: Summer 2004
Cost: \$6 Million

**The Jackson Kelly Building
Morgantown, West Virginia**
Completed: Spring 2002
Cost: \$4.5 Million (Shell)

**Marina Tower
Morgantown, West Virginia**
Estimated Completion: Spring 2009
Cost: \$10 Million (Shell)

**Dixon-Hughes Tenant Fitup
Marina Tower Office Building
Morgantown, West Virginia**
Estimated Completion: Winter 2008
Cost: DND

**The Suncrest Corporate Center
Morgantown, West Virginia**
Completed: Spring 2001
Cost: \$1.1 Million

**Lightning Strikes
Trussville Family Fun Center
Trussville, Alabama**
Completed: Spring 2004
Cost: \$7 Million

Russell Cancer Center*
Alexander City, Alabama
Completion Date: Spring 2001
Project Cost: \$3.2 Million

* Key involvement in project with firm(s) other than Paradigm Architecture, Inc.

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2223 Cheat Road • Suite 300
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Tele 304•284•5015 304•284•5014 Fax



Jonathan L. Perry, AIA

Project Manager

Mr. Perry's responsibilities have included development of construction documents and drawings, project management, marketing presentations, bidding procedures, construction administration, and creating renderings for clients using computer aided design programs. He has a combined nine years of experience in commercial and residential architecture and has been with Paradigm Architecture for the last eight years. Project experience includes commercial, corporate, educational, governmental, healthcare, hospitality, industrial, institutional, recreational, and residential.

EDUCATION

University of Alabama at Birmingham, Birmingham, AL
Master of Engineering in Construction Management, 2008-current student

University of Tennessee, Knoxville, Tennessee
Bachelor of Architecture, Cum Laude, 1999

Politechnika Krakowska, Krakow, Poland
Semester Abroad, 1998

ARCHITECTURAL REGISTRATION

NCARB Certificate No. 63867
West Virginia No. 3953

PROFESSIONAL, CIVIC AND OTHER ACTIVITIES

American Institute of Architects
Construction Documents Technologist

AWARDS AND HONORS

Chestnut Ridge Church, Morgantown, West Virginia
Waterfront Marina, Morgantown, West Virginia
2007 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Russell Professional Office Building III, Alexander City, Alabama
2004 Top Block Award, The Alabama Masonry Institute

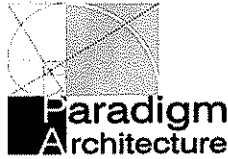
Two Waterfront Place Hotel & Conference Center, Morgantown, West Virginia
Madden Student Center at Davis & Elkins College, Elkins, West Virginia
2004 Excellence in Construction Award, Associated Builders & Contractors, Inc.

The Jackson Kelly Building, Morgantown, West Virginia
2003 Excellence in Construction Award, Associated Builders & Contractors, Inc.

One Waterfront Place, Morgantown, West Virginia
2002 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Russell Cancer Center, Alexander City, Alabama
2001 Excellence in Construction Award, Associated Builders & Contractors, Inc.

Para-digm - (pār'e-dīm') n. An example that serves as pattern or model.



Jonathan L. Perry, AIA

Representative Projects

**West Virginia University
Downtown Student Housing
Morgantown, West Virginia**
Estimated Completion: Summer 2009
Cost: \$15.3 Million

**Glade Springs Resort
and Conference Center
Daniels, West Virginia**
Completed: Fall 2005
Cost: \$6 Million

**Avery Court
Town Homes and Condominiums
Parkersburg, WV**
Completed: To Be Determined
Cost: \$10 Million

**Morgantown Event Center
and Parking Garage
Morgantown, West Virginia**
Estimated Completion: Winter 2009
Cost: \$26.3 Million

**Waterfront Marina
and Boathouse Bistro
Morgantown, West Virginia**
Completed: Summer 2007
Cost: \$4.2 Million

**West Virginia University
Intermodal Garage
Morgantown, West Virginia**
Estimated Completion: Fall 2009
Cost: \$14.5 Million

**Fairmont State University
Parking Facility
Fairmont, West Virginia**
Completed: Spring 2004
Cost: \$10 Million

**Glade Springs Resort
Clubhouse Expansion
Daniels, West Virginia**
Completed: Summer 2006
Cost: \$1.1 Million

**Two Waterfront Place
Hotel and Conference Center
Morgantown, West Virginia**
Completed: Summer 2003
Cost: \$35 Million

**The View at the Park
Morgantown, West Virginia**
Completed: Summer 2004
Cost: \$6 Million

**The View II
Morgantown, West Virginia**
Estimated Completion: Spring 2009
Cost: \$12 Million

**The Dayton Student Housing
Morgantown, West Virginia**
Completed: Fall 2008
Cost: \$3.3 Million

**The Jackson Kelly Building
Morgantown, West Virginia**
Completed: Spring 2002
Cost: \$4.5 Million (Shell)

**Marina Tower
Morgantown, West Virginia**
Estimated Completion: Spring 2009
Cost: \$10 Million (Shell)

**Davis and Elkins College
Madden Student Center
Elkins, West Virginia**
Completed: Summer 2003
Cost: \$1.5 Million

**One Waterfront Place*
Morgantown, West Virginia**
Completed: Summer 2001
Cost: \$25 Million

**Davis and Elkins College
Athletic Center
Elkins, West Virginia**
Completed: Spring 2007
Cost: \$5.5 Million

* Key involvement in project with firm(s) other than Paradigm Architecture, Inc.

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Todd G. Christopher, AIA

Project Manager

Mr. Christopher's responsibilities have included development of construction documents and drawings, project management, marketing presentations, bidding procedures, and construction administration. He has a combined seven years of experience in commercial and residential architecture and joined Paradigm Architecture in February 2009. Project experience includes commercial, corporate, educational, performing arts, healthcare, continuing care retirement communities, laboratories, industrial, institutional, sports facilities, and multi-family residential.

EDUCATION

Virginia Polytechnic Institute & State University, Blacksburg, VA
Master of Architecture, 2002

Fairmont State College, Fairmont, WV
Bachelor of Science in Engineering Technology, 1999

ARCHITECTURAL REGISTRATION

NCARB Certificate No. 104658
North Carolina No. 11326

PROFESSIONAL, CIVIC AND OTHER ACTIVITIES

American Institute of Architects
U.S. Green Building Council
AIA Peer Mentor in conjunction with UNC Charlotte College of Arts + Architecture

AWARDS AND HONORS

Wake Forest University Babcock School of Management, Charlotte, North Carolina
USGCB LEED Silver Certified

Davidson College Duke Residence Hall, Davidson, North Carolina
USGCB LEED Certified



Todd G. Christopher, AIA

Representative Projects

KeyLogic Systems, Inc.
Morgantown, WV
Estimated Completion: To Be Determined
Cost: \$1 Million

West Virginia State College*
Student Union Renovation and Addition
Institute, West Virginia
Completed: Spring 2004

Bella Vita on Park Condominiums*
Charlotte, North Carolina
Estimated Completion: To Be Determined
Cost: \$15 Million

Hagood Reserve Luxury Townhomes*
Charlotte, North Carolina
Estimated Completion: To Be Determined
Cost: \$6 Million

Seneca Commons*
Office and Retail Building
Charlotte, North Carolina
Completed: Summer 2005
Cost: \$5 Million

Twin Lakes at Montgomery*
Continuing Care Retirement Community
Cincinnati, Ohio
Estimated Completion: Spring 2011
Cost: \$1.8 Million (Renovation)

Suffield Meadows Continuing Care*
Retirement Community
Warrenton, Virginia
Estimated Completion: Fall 2010
Cost: \$15 Million

North Carolina State University*
Frank Thompson Theatre Renovation
Raleigh, North Carolina
Estimated Completion: Spring 2009
Cost: \$11.5 Million

National Institute of Aerospace*
Hampton, Virginia
Completed: Summer 2006
Cost: \$6 Million

Stevens Correctional Facility*
Welch, West Virginia
Completed: Summer 2004
Cost: \$10.5 Million

Saint Timothy Lutheran Church*
Charleston, West Virginia
Completed: Winter 2004
Cost: \$5 Million

Legacy Village Townhomes*
 Mooresville, North Carolina
Phase 1 Completed: Fall 2008
Cost: \$18 Million

Davidson College*
Duke Residence Hall
Davidson, North Carolina
Completed: Summer 2007
Cost: \$6.3 Million

University of North Carolina at Charlotte*
Robinson Hall Performing Arts Building
Charlotte, North Carolina
Completed: Spring 2004
Cost: \$23 Million

University of North Carolina at Greensboro*
Petty Building Renovation
Greensboro, North Carolina
Completed: Spring 2008
Cost: \$15.2 Million

University of North Carolina at Pembroke*
Sampson Classroom Building
Pembroke, North Carolina
Completed: Summer 2007
Cost: \$4.7 Million

University of North Carolina at Wilmington*
Performing Arts & Classroom Building
Wilmington, North Carolina
Completed: Fall 2006
Cost: \$26 Million

Mountain Island Library*
Charlotte, North Carolina
Completed: Spring 2005
Cost: \$2.5 Million

* Key involvement in project with firm(s) other than Paradigm Architecture, Inc.

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United States Department of Energy Office of Legacy Management

Morgantown, West Virginia



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.

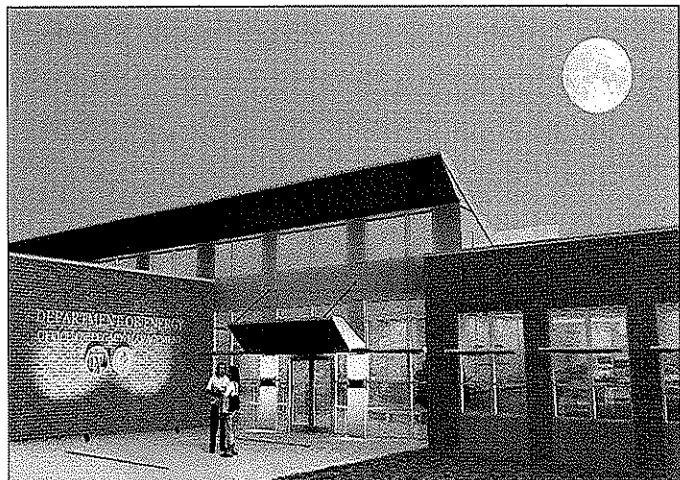
This project will be registered as a LEED Certified Building.

Owner: FD Partners, LLC

Design Architect: Paul A. Walker, AIA
Project Manager: Grant T. Gramstad, AIA

Estimated Completion: Fall 2009
Cost: \$8 Million (Shell)
Size: 60,000 Square Feet
Delivery Type: Design-Build-Negotiated

Contractor: Dick Corporation





The General Services Administration for the United States Department of Agriculture

Morgantown, West Virginia



(Currently Under Construction)

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.

This project will be registered as a LEED Certified Building.

Owner: Glenmark Holdings, LLC

Design Architect: Paul A. Walker, AIA
Project Manager: David H. Snider, AIA

Estimated Completion: Fall 2009
Cost: \$6.5 Million (Shell)
Size: 36,000 Square Feet
Delivery Type: Design-Build Competition

Contractor: The March-Westin Company





Two Waterfront Place Hotel and Conference Center

Morgantown, West Virginia



A seventeen story hotel, conference center, retail, dining, and residential mixed-use facility in the Waterfront District. Additional features include an indoor pool, athletic club, day-spa/salon, and private parking for residents.

2003 Excellence in Construction Award from the Associated Builders & Contractors, Inc.

Owner: Platinum Properties

Design Architect: Paul A. Walker, AIA

Project Manager: David H. Snider, AIA

Project Architect: Grant T. Gramstad, AIA

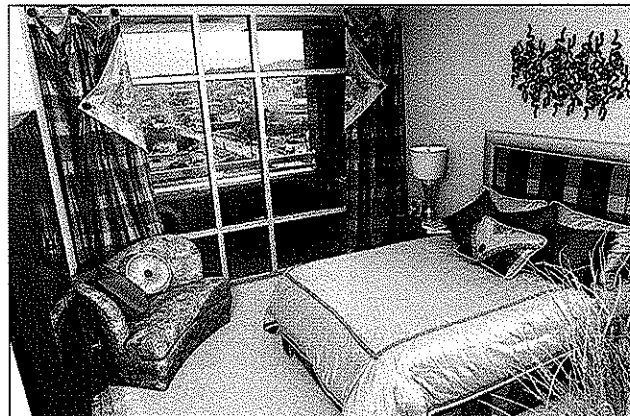
Completed: Summer 2003

Cost: \$35 Million

Size: 296,427 Square Feet

Delivery Type: Design-Build-Negotiated

Contractor: The March-Westin Company





West Virginia University Downtown Student Housing

Morgantown, West Virginia



This new five story student housing building will accommodate 360 residents. The design includes apartments for Resident Hall Coordinators and Resident Facility Leaders, a multi-purpose room, laundry facility, administrative offices, fellowship advising, and honors college administration.

(Currently Under Construction)

Owner: West Virginia University

Design Architect: Paul A. Walker, AIA

Project Manager: David H. Snider, AIA

Project Architect: Grant T. Gramstad, AIA

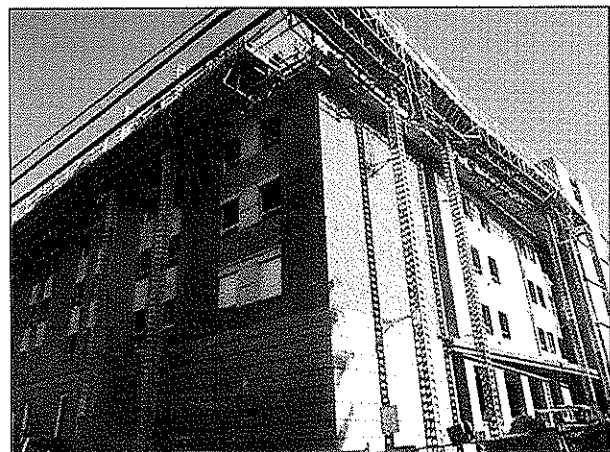
Estimated Completion: Summer 2009

Cost: \$15.3 Million

Size: 90,000 Square Feet

Delivery Type: Design-Bid-Build

Contractor: Tedco Construction





Glade Springs Resort and Conference Center

Daniels, West Virginia



Located in the Allegheny Mountains of West Virginia, this 48 room luxury hotel and conference center is available for both family vacations and business retreats, offering access to ski, spa, and golf activities.

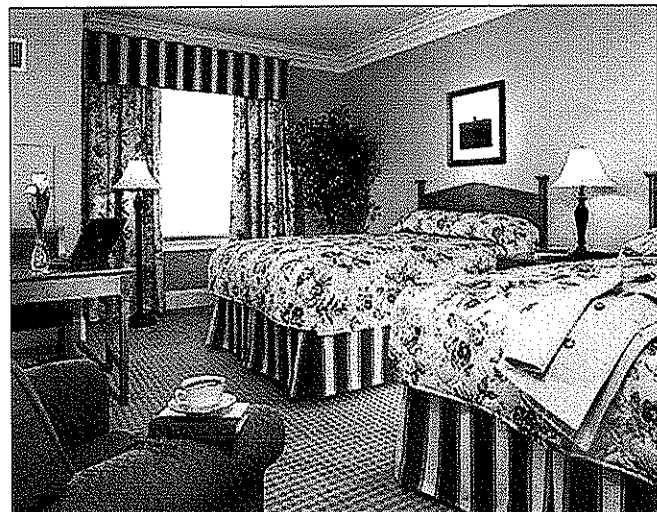
The facility is located on the site of the existing conference center and is connected to the existing commercial kitchen. The facility functions as the main lodging and meeting center of the resort and offers a mix of hotel rooms and suites, and an additional 4,100 square feet of ballroom and meeting space.

Owner: Glade Springs Resort

Design Architect: Paul A. Walker, AIA
Project Manager: David H. Snider, AIA
Project Architect: Grant T. Gramstad, AIA

Completed: Fall 2005
Cost: \$6 Million
Size: 48,500 Square Feet
Delivery Type: Design-Build-Negotiated

Contractor: Alliance Construction Management





Renovation of a former federal courthouse to provide office space for Social Security. This commission was awarded through a national design competition.

2000 Excellence in Construction Award from the Associated Builders & Contractors, Inc.

2000 Development Project Special Recognition Award from the Charleston Renaissance Corporation

Owner: Platinum Properties, LLC

Design Architect: Paul A. Walker, AIA

Project Manager: Grant T. Gramstad, AIA

Architect of Record: Evan Terry Associates, P.C.

Completed: Winter 2000

Cost: \$10 Million

Size: 110,000 Square Feet

Delivery Type: Design-Build Competition

Contractor: The March-Westin Company



Clarksburg Federal Center

Clarksburg, West Virginia



National design competition for the design of a new office building to consolidate Federal Government Agencies into a new structure in a historic district.

1999 Excellence in Construction Award from the Associated Builders & Contractors, Inc.

Owner: Platinum Properties, LLC

Design Architect: Paul A. Walker, AIA

Architect of Record: Gates Calloway Moore & West

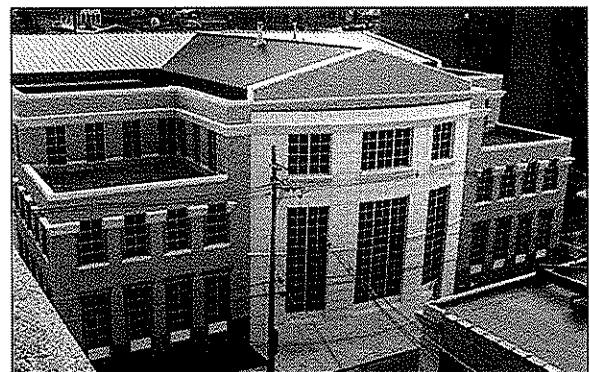
Completed: Summer 2001

Cost: \$9 Million

Size: 65,000 Square Feet

Delivery Type: Design-Build Competition

Contractor: The March-Westin Company





The Dayton Student Housing

Morgantown, West Virginia



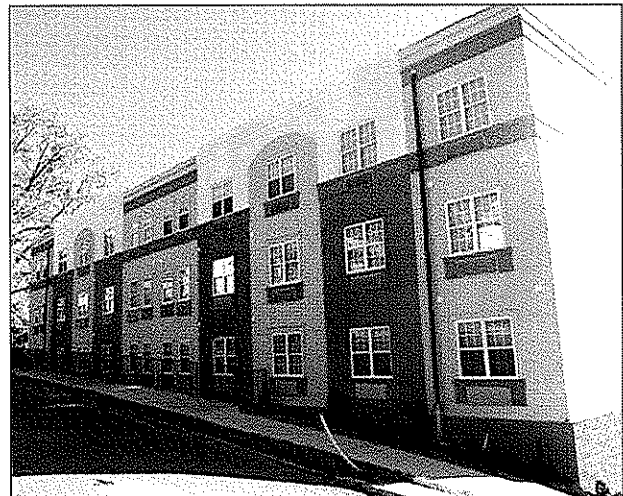
A new four story student housing building with parking and retail space on the first level and twenty-one one and two bedroom residential units on the upper levels located near the downtown campus of West Virginia University.

Owner: Castle Ventures IV, LLC

Design Architect: Paul A. Walker, AIA
Project Manager: Jonathan L. Perry, AIA

Completed: Fall 2008
Cost: \$3.3 Million
Size: 27,050 Square Feet
Delivery Type: Construction Management

Construction Manager: The Phoenix Group, LLC





The View at the Park

Morgantown, West Virginia



The View at the Park is situated on South University Avenue, overlooking the Old Railroad Depot Building, the Amphitheatre, and the Monongahela River. The 6 story building consists of 56 units of one, two, and three bedroom apartments, with two levels of parking below.

Owner: Castle Ventures III, LLC

Design Architect: Paul A. Walker, AIA

Project Manager: Dave H. Snider, AIA

Project Architect: Grant T. Gramstad, AIA

Completed: Summer 2004

Cost: \$6 Million

Size: 88,000 Square Feet

Delivery Type: Construction Management at Risk

Contractor: The March-Westin Company





Avery Court combines three types of luxury living environments: condominiums, townhomes, and urban mansions. A pool and clubhouse are planned. Meandering walking paths, post lamps, and landscaping complete the neighborhood.

Owner: Castle Ventures II, LLC

Design Architect: Paul A. Walker, AIA

Project Manager: Jonathan L. Perry, AIA

Project Architect: William B. Gibson, AIA

Interior Designer: Shelley Johnson

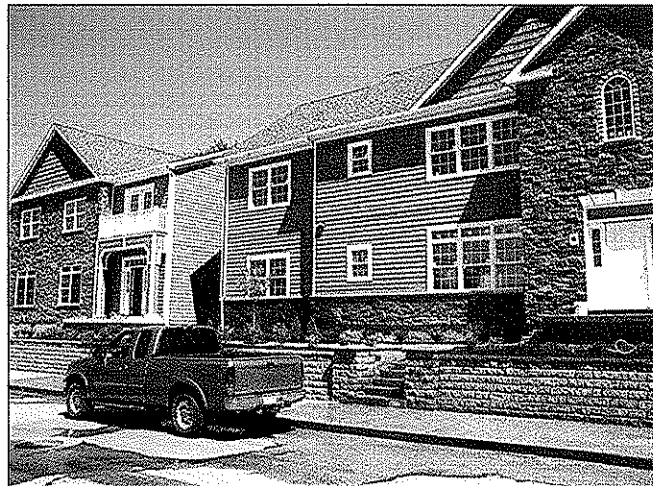
Estimated Completion: To Be Determined

Cost: \$10 Million

Size: 66 Condos and 16 Townhomes

Delivery Type: Construction Management with Multiple Prime Contractors

Contractor: To Be Determined





FIRM PROFILE

Introduction to KCI Technologies, Inc.

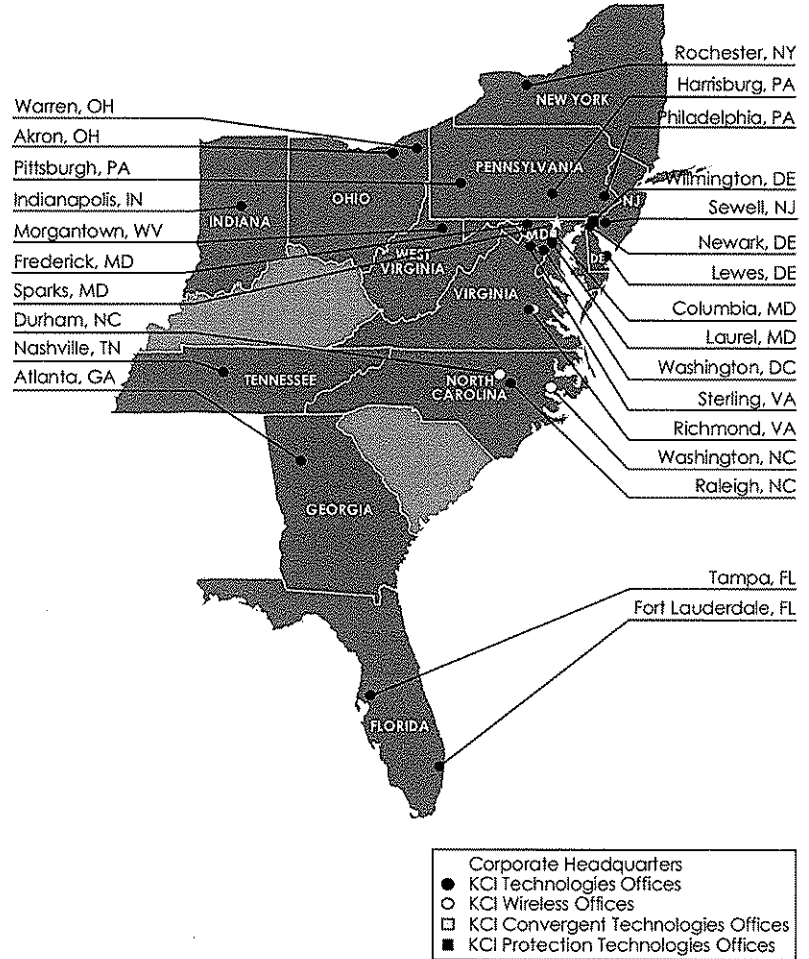
Early Corporate History – KCI Technologies, Inc. traces its corporate history to a Baltimore firm founded in 1955. In the early-1970s, the firm along with a number of other privately held engineering companies joined Kidde, Inc., and became known in 1978 as Kidde Consultants, Inc. During the 1980s, Kidde Consultants opened additional offices in Maryland, Delaware, Virginia, and Pennsylvania.

Employee Ownership – In August 1987, Hanson Trust, PLC, of Great Britain a manufacturing company with diversified holdings, worldwide purchased Kidde, Inc. Soon after, Kidde Consultants initiated negotiations with Hanson for an employee buyout, which was completed in December 1988, creating Maryland's largest employee owned company. The firm officially changed its name to KCI Technologies, Inc., in 1991 and is headquartered in Sparks, Maryland.

With revenues of \$142 million in 2007, the *Engineering News Record* has consistently placed KCI among the top consulting engineering firms in the country. Today, our roughly 1,000 employee owners operate out of 26 offices in 13 states-- Delaware, Florida, Georgia, Indiana, Maryland, New Jersey, New York, North Carolina, Ohio, Pennsylvania, Tennessee, Virginia, and West Virginia—and the District of Columbia.

Technical Expertise – With a professional staff of engineers, planners, scientists, surveyors, and construction managers, we offer a broad range of engineering services, including civil, structural, transportation, environmental, hazardous waste, mechanical, electrical, telecommunications, and soils. But engineering is not all we do. We also provide cultural and environmental resource management services, land planning and landscape architecture, geology, hydrology, ecology, surveying, and construction management and inspection. All of our service lines are supported by a team of CADD operators, GIS specialists, database and Web programmers, and other computer-savvy professionals working on state-of-the-art equipment.

At KCI, we believe that our broad technical expertise, combined with our unique commitment as employee owners, has enabled us to emerge as industry leaders whose customers can count on excellent service time and again.





ROBERT R. MILNE, PE

Division Chief E-VIII, Senior Associate

Education:

BS / 1990 / Civil Engineering / West Virginia University
MS / 1999 / Civil Engineering / West Virginia University

Registration:

PE / WV / 014177 / 1999
PE / PA / PE061465 / 2002

Years Experience: 19

Years with KCI: 7

Experience:

Mr. Milne is the Division Chief in KCI's Morgantown, West Virginia office. He is responsible for the offices' daily operation, supervision of staff, and management of large projects. Mr. Milne is also experienced in civil/site design, utilities, and buildings as well as roadway and storm sewer design; highways, bridges, traffic studies; and construction administration and inspection. Relevant project experience includes:

West Virginia University Architectural and Engineering Open End. Morgantown, WV. Division Chief/Project Manager. KCI was awarded an open end contract to provide multi-disciplined engineering services to the West Virginia University.

New Northside Fire Station. Morgantown, WV. Division Chief/Project Manager. KCI is a sub-consultant to Bignell Watkins Hasser for the proposed North Side Fire Station for the City of Morgantown. This project is currently under construction. KCI is responsible for overall site design, access roads, utility lines, sidewalks, landscaping, drainage, storm water retention, grading plans, erosion and sedimentation control plans, and all the site/civil permitting.

WVU Downtown Student Housing Project. Morgantown, WV. Division Chief/Project Manager. KCI is a sub-consultant to Paradigm Architecture for the proposed Downtown Student Housing Project. This project is currently under construction. KCI is responsible for overall site design, access roads, courtyard, utility lines, sidewalks, drainage, storm water retention, grading plans, erosion and sedimentation control plans, and all the site/civil permitting.

The Dayton. Morgantown, WV. Division Chief/Project Manager. KCI is a sub-consultant to Paradigm Architecture for the proposed Dayton. The Dayton is a new 3 story modular building with one level of parking and retail space below located at the corner of Ridgeway Avenue, Dayton Street and Richwood Avenue in Morgantown, WV. KCI is responsible for overall site/civil design, water lines, sanitary sewer, general utility coordination, site/civil permitting and erosion and sediment control.

AIE Infrastructure Repair Projects. Nationwide. Project Manager. KCI is responsible for the completion of the Site Investigation Reports, Traffic Studies, and Comprehensive Work Plans for the following facilities: Fort Drum, NY; Fort Meade, MD; Fort Leavenworth, KS; Adelphi Research Lab, MD; Bluegrass Army Depot, KY; Dugway, UT; and Mottu, NC.

Harpers Ferry National Park Historic Train Station. Harpers Ferry, WV. Project Manager. KCI was sub-consultant to a national design/build contractor to provide electrical, site/civil, and structural engineering support services for this Historical Renovation project. KCI was responsible for designing a 92 space parking lot, sidewalks and lighting at the Historic Harpers Ferry Train Station. In order to meet the deadlines of our client this project was placed on a fast track schedule. The preliminary and final design of the parking lot was completed in less than a month.



JOHN W. RUDMANN, PE, RLA

Senior Civil Engineer

Education:

BS / 1995 / Civil Engineering / West Virginia University
BS / 1992 / Landscape Architecture / West Virginia University

Registration:

PE / PE / PA / PE062150
PE / PE / WV / 14779
PE / PE / MD / 200442
RLA / RLA / PA / LA001741
RLA / RLA / MD / 1177

Years Experience: 13

Years with KCI: 2

Experience:

Mr. Rudmann is a civil engineer and a landscape architect with experience in performing roadway design, project planning, site development, road rehabilitation and repair, landscape and streetscape design, and trail and park projects. He has been a project manager and a design engineer. He has effectively managed staff to complete large fast paced highway projects as well as managed small trail and park projects. He has completed all the design tasks associated with transportation projects and is proficient with all the computer software.

New Northside Fire Station. Morgantown, WV. Senior Design Engineer. KCI is a sub-consultant to Bignell Watkins Hasser for the proposed North Side Fire Station for the City of Morgantown. This project is currently in the final design phase. KCI is responsible for overall site design, access roads, utility lines, sidewalks, landscaping, drainage, storm water retention, grading plans, erosion and sedimentation control plans, and all the site/civil permitting. Mr. Rudmann was responsible for the overall design of all site/civil services. Final construction documents will be completed in April 2008.

WVU Downtown Student Housing Project. Morgantown, WV. Senior Design Engineer. KCI is a sub-consultant to Paradigm Architecture for the proposed Downtown Student Housing Project. This project is currently under construction. KCI is responsible for overall site design, access roads, courtyard, utility lines, sidewalks, drainage, storm water retention, grading plans, erosion and sedimentation control plans, and all the site/civil permitting. Mr. Rudmann was responsible for the overall design of all site/civil services.

The Dayton. Morgantown, WV. Senior Design Engineer. KCI is a sub-consultant to Paradigm Architecture for the proposed Dayton. The Dayton is a new 3 story modular building with one level of parking and retail space below located at the corner of Ridgeway Avenue, Dayton Street and Richwood Avenue in Morgantown, WV. KCI is responsible for overall site/civil design, water lines, sanitary sewer, general utility coordination, site/civil permitting and erosion and sediment control. Mr. Rudmann was responsible for the overall design of all site/civil services.

The View II at the Park. Morgantown, WV. Senior Design Engineer. KCI is a sub-consultant to Paradigm Architecture for the proposed View II. The View II is the second phase of a three phased development along the waterfront in Morgantown, WV. The View II is a 4-story structure that will be the new home to the Morgantown Area Chamber of Commerce once completed, along with several residential condominiums. This project is currently under construction. KCI is responsible for overall site design, utility lines, sidewalks, drainage, storm water retention, grading plans, erosion and sedimentation control plans, and all the site/civil permitting. Mr. Rudmann was responsible for the overall design of all site/civil services.



TIMOTHY MILLER

Senior Associate

Education:

BS / 1980 / Civil Engineering / Pennsylvania State University
AS / 1978 / Civil Engineering Technology / Community College of Allegheny County
Certificate / 1985 / HEC-2 Flood Plain Hydraulics / Training
Certificate / 1989 / Advanced HEC-2 Flood Plain Hydraulics / Training
Certificate / Various TR-20 and TR-55 classes / Training

Years Experience: 29

Years with KCI: 9

Experience:

Mr. Miller is a Project Manager/Civil Engineer with 29 years experience in numerous projects where his responsibilities have included plans, specifications, cost estimates, and management for projects involving residential subdivisions; military and DOD facilities; commercial and industrial facilities; educational, health, and institutional installations; and roads and highways. These projects have involved site development plans, stormwater management, drainage, erosion and sediment control plans, grading, and utilities. His experience also includes preliminary plans and the processing of residential subdivisions. Relevant project experience includes:

Northfields Residential and Commercial Development. West Manheim, PA. Project Manager. Providing all project management and civil engineering services for the development of a 278 acre farm in York County, Pennsylvania. The proposed development consists of 415 townhouses, 275 single family houses, 500,000 square feet of commercial buildings and one million square feet of industrial space. This project is anticipated to be completed in 2013. KCI is providing civil and site engineering services as well as surveys, environmental and geotechnical services in conjunction with the development of a 278 acre farm in West Manheim Township, York County, Pennsylvania.

Mount Oak Estates Design. Bowie, MD. Project Manager. Managed the design and analysis of the site requirements for SWM and erosion and sediment control including open sections roadway and a bio-retention area with wetland plantings to treat surface run-off from the new pavement. KCI provided civil/site engineering, utility engineering, landscape architectural, and surveying services for this design project.

My Sisters House - Design. Washington, DC. Project Manager. Provided project management and civil engineering for proposed new 9,000SF three story, 12 unit Community Shelter. Development included a 9,000 SF building, side yard setback variances, parking, handicap access, stormwater management for water quality and quantity, new driveway entrance, all utility connections in Public Open Space, coordination with DCWASA, landscaping, Public Open Space upgrades, grading and sediment control. KCI provided civil/site engineering, utility engineering, geotechnical, landscape architectural, and surveying services for this \$1.1 million project.

Jubilee & Good Shepherd - Design. Washington, DC. Project Manager. KCI provided civil/site engineering, utility engineering, structural and geotechnical engineering, landscape architectural, and surveying services for this \$2.5 million project. The proposed improvements consist of the re-development of infrastructure for four three story multi-family housing developments in the Adams - Morgan section of Northwest, Washington D.C.



RAYMOND J. HOPKINS

Project Engineer

Years Experience: 42

Years with KCI: 30

Experience:

Mr. Hopkins is the Group Leader of KCI's Residential Development Group within the Urban Planning & Development Division. He has over 28 years experience in all facets of civil/site development, including utility design and relocation; roadway layout and design; design of erosion and sediment control, grading, storm drainage, sidewalks, curbs and gutters; entrance design; preliminary and final development plans; permitting, and processing of necessary approvals. Relevant project experience includes:

D.C. Air National Guard, Andrews AFB - A/E IDQ - 1993. Andrews AFB, MD. Project Engineer. KCI provided A/E services to the DC Air National Guard for design and upgrade of buildings, maintenance facilities, hangars, and support facilities, including investigations, studies, design, and construction phase services.

D.C. Air National Guard - Andrews AFB - A/E IDQ (both). Andrews AFB, MD. Project Engineer. KCI was awarded two consecutive, multi-year contracts by the DC Air National Guard to provide A/E services. Tasks included were: renovation of a 2,400 SF facility; construction of parking lots; design of a 2,560 SF paint spray booth; construction of a 4,000 SF external fuel tank storage area and a 800 SF special fuels facility; alterations to two aircraft maintenance hangars; repair of fire deficiencies in multiple buildings; and repairs and replacement of a 305 SF roof.

Glenside Farms. Baltimore County, MD. Project Manager. KCI provided site development, civil engineering, and environmental services for the development of this 85+ acre, 191 single-family home subdivision. The scope of services included: topographic and field surveys, utility design, highway design, and wetland and forest stand delineation.

Beachwood Estates. Sparrows Point, MD. Project Manager. KCI provided complete site development and engineering services for Phase II of this 102 acre, 215 single family unit subdivision. The scope included: public road plans, public sewer plans, public water main plans, storm drain plans, record plat, and landscaping plans.

Northfields Residential and Commercial Development. West Manheim, PA. Staff Team. KCI is providing civil and site engineering services as well as surveys, environmental and geotechnical services in conjunction with the development of a 278 acre farm in West Manheim Township, York County, Pennsylvania. The proposed development consists of 415 townhouses, 275 single family houses, 500,000 square feet of commercial buildings and one million square feet of industrial space.

Miramar Landing Development. Middle River, MD. Project Manager. KCI is providing site/civil engineering services for this 100+ acre property in Baltimore County, MD. This property will include residential housing, a senior center, and school. All design for this project is being completed on an aggressive schedule and will be completed within 17 weeks.

Flag House Courts Redevelopment. Baltimore, MD. Project Manager. KCI is providing site/civil engineering, landscape architecture, surveying, environmental planning, and construction administration services for this project to create a new mixed-use, mixed-income community in Baltimore City. KCI's services include road layout, water and sewer mains, grading, drainage, and erosion and sediment control.

Fort George G. Meade, MD - A/E Services - USACE - SEAA. Fort George G. Meade, MD. Project Engineer. As a subconsultant to Smolen, Emr & Associates, KCI provided civil and structural engineering services on an indefinite quantity basis for various projects. Tasks included: civil and site engineering services for two building additions, and site and landscape plans for a golf course driving range.



WVU DOWNTOWN STUDENT HOUSING PROJECT

Morgantown, WV

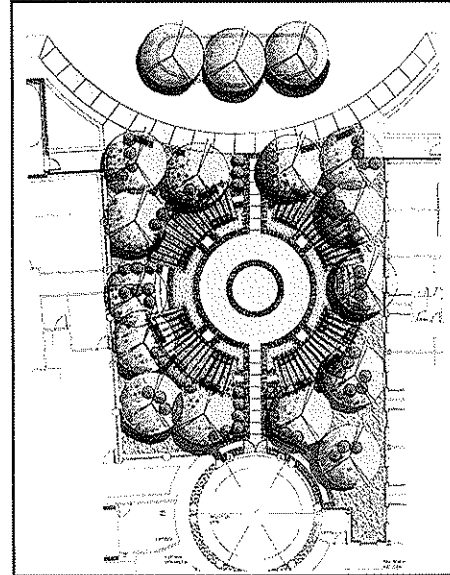
Client: Paradigm Architecture
Contact: Jonathan Perry
(205) 403-2742

Completion Date: Under Construction

Highlights:

KCI is a sub-consultant to Paradigm Architecture for the proposed Downtown Student Housing Project. This project is currently under construction. KCI was responsible for overall site design, access roads, plaza, utility lines, sidewalks, drainage, storm water quality and retention, grading plans, erosion and sedimentation control plans, and the site/civil permitting.

KCI provided a design for the plaza area using stamped concrete patterns, in conjunction with strategically placed patio's and pergolas. The plaza was designed to create a warm friendly environment. This plaza will also serve as a thoroughway from the new dormitory to the existing Summit Hall, where the residents of the new dorm will go for dinners. KCI also provided an innovative storm-water management design to capture all water within the plaza.



Rendering courtesy of Paradigm Architecture



THE DAYTON

Morgantown, WV

Client: Paradigm Architecture
Contact: Jonathan Perry
(205) 403-2742

Completion Date: December 2008

Highlights:

KCI was a sub-consultant to Paradigm Architecture for the proposed Dayton. The Dayton is a new 3 story modular building located at the corner of Ridgeway Avenue, Dayton Street and Richwood Avenue in Morgantown, WV. The building is a mixed used student housing project with a parking garage and retail space located on the ground level.

KCI was responsible for overall site/civil design, water lines, sanitary sewer, general utility coordination, site/civil permitting and erosion and sediment control. The storm-water filter used on this project was a low cost practical solution that met the current Morgantown Utility Board's Regulations and was within the owner's budget.

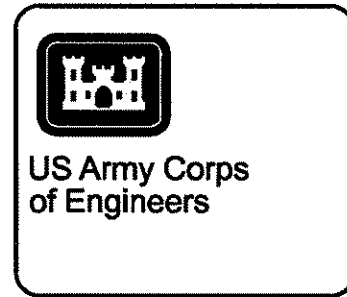




AUTOMATED INSTALLATION ENTRY (AIE) SYSTEM INFRASTRUCTURE US ARMY CORPS OF ENGINEERS

Nationwide

Client: Atlantic Design Group
Linc Government Services
Contact: Craig Moyer (410) 884-9610
James Warfield (270) 885-4675



Completion Date: On-going

Highlights:

KCI Technologies, partnered with Atlantic Design Group and Linc Government Services to provide full service design and construction services for the US Army Corps of Engineers, Huntsville, AL. The LINC/KCI/ADG team provided full service consulting for Access Control Point (ACP) design at eight bases nationwide including Fort Drum, New York; Fort Meade, Maryland; Fort Leavenworth, Kansas; Adelphi Research Lab, Maryland; Bluegrass Army Depot, Kentucky; Dugway, Utah; and Mottus, North Carolina. Each base is currently in phase one or phase two of the project. Our work followed Installation Design Guidelines, site by site, specific to each installation. Design also followed Army Access Control Point Standard Definitive Design and Traffic & Safety Engineering for Better Entry Control Facilities SDDCTEA Pamphlet 55. Our work addressed each ACP at the bases.

KCI's engineers provided a site investigation and traffic survey for phase one. Traffic studies were conducted at the following bases Fort Drum, Fort Meade, Fort Leavenworth, Adelphi Research Lab, and Bluegrass Army Depot, to collect data on traffic flow during a typical workday including volume during peak periods and make necessary adjustments (i.e. for deployed personnel, BRAC effects). The study also determined design demand (max volume of traffic at ACP during peak hour) for each ACP. Phase one was completed with a concept design inclusive of design alternatives, site investigation report and traffic survey report. The final report also included a budget/cost proposal for construction.

For Phase Two of the project, KCI's engineers are working with the installation on-site manager and the full design team to develop design documents to improve the ACP. Our plans will follow current version of Unified Facilities Guide Specification (UFGS) 34 41 26.00 10, "Access Control Point Control System" and UFGS 28 20 01.00 10, "Electronic Security Systems." KCI's engineers will provide design for conduit at each ACP for Automated Installation Entry (AIE) functions including card reader pedestal, CCTV Cameras, Vehicle RFID tag readers, Traffic Arm and lane control traffic signals, AIE Work stations within each Guard Booth and Gatehouse, and ID check area lane equipment conduit.

The LINC/KCI/ADG team provided survey and design or re-design as needed for the traffic islands and median islands at each ACP to ensure compliance with Standard Definitive Design. Guard booths, Gate houses and ID Check Canopies at each ACP were also surveyed and will be designed, if needed, for compliance with Standard Definitive Design to ensure proper size and proper safety to guards is provided during ID Checks, as well as measure illumination levels at canopies. Electrical engineers are working to determine the capacity and distribution of electrical power at each ACP as required by Army Standard Definitive Design. Determine requirements for emergency back up power for guard booths, gate house, id check point canopy and AVBs. Provide UPS system in accordance with UFGS 34 41 26.00 10. Additional improvements include fiber optic cabling, electronic security systems including intrusion detection systems and tamper alarms, traffic arms designed for each ID Check lane per UFGS 34 41 26.00 10 and Active Vehicle Barrier design per UFGS 34 41 26.00 10 including CCTV monitoring. For Phase II work, drawings will be completed using Microstation and specifications will be written using MasterSpec.



FORT DRUM DESIGN CHARRETTE IN SUPPORT OF 1391 CHILD DEVELOPMENT CENTER AND CENTRAL ISSUE FACILITY

Fort Drum, NY

Owner: US Army Corps of Engineers New York District
Contact: Anthony B. Felder, P.E.
(917) 790-6232



Completion Date: 2008

Highlights:

KCI Technologies provided on site design for the Army Corps of Engineers, New York District at Fort Drum, NY for mechanical, electrical, structural, fire protection, and civil/site design for the development of the 1391 documents for a 6 week to 5 year child development center and a central issue facility. KCI was a sub-consultant to Michael Baker Jr. Inc. who provided project management, architectural design and cost estimating.

The 15,800 sf, 126 person child development center included a playground, a 100 car parking lot, storm water basin, and primary utilities. The 65,000 sf central issue facility included high bay warehouse areas, administrative support spaces, a 100 car parking lot, storm water basin and primary utilities. Both facilities will meet LEED Silver requirements.



DESIGN/BUILD 91ST MP OPERATIONS FACILITIES

Fort Drum, NY

Owner: US Army Corps of Engineers New York District

Contact: Anthony B. Felder, P.E.
(917) 790-6232



Completion Date: 2010

Highlights:

On March 31, 2008, KCI received notification of award of our first design-build project at Fort Drum, NY. The project, issued from the U.S. Army Corps of Engineers New York, District, is for the design and construction of the 91st MP Battalion Complex. The \$32M project involves a Battalion/Brigade Headquarters (BH), a Company Operations Facility (COF), and a Tactical Equipment Maintenance Facility (TEMF). The buildings range in size from approximately 15,000- to 88,000-SF with total square footage for the project of 140,000 sf located on a 20 acre site. KCI is teamed with Bette and Cring, LLC of Albany and Watertown NY and Michael Baker Jr. Inc out of their Pittsburgh PA and Alexandria VA offices.

KCI will provide comprehensive site/civil design for the buildings, associated roadways, and parking areas along with local design support for the project team.



MOUNT OAK ESTATES DESIGN

Bowie, MD

Client: Seneca Harbor Development

Contact: Sam Rothblum
(410) 296-4122

Completion Date: July 31, 2005

Highlights:

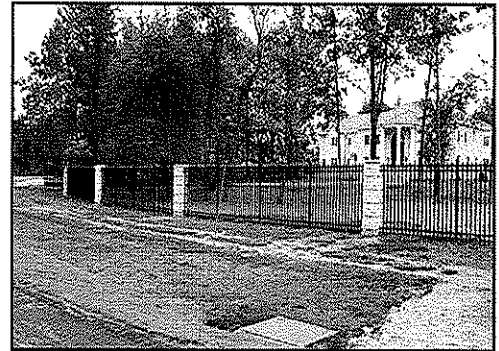
KCI provided civil/site engineering, utility engineering, landscape architectural, and surveying services for this design project. The proposed improvements consisted of the development of infrastructure for a 26 single-family housing development in Prince George's County. The development included new roadway construction, stormwater management, landscaping, and utility design. The scope of services includes:

Surveying Services - Based on existing recorded plats, KCI prepared a topographic survey of the roads within the subdivision including Westbrook Lane. KCI survey crews located the existing road centerline, right-of-way and 25 feet to the right and left of the right-of-way to develop a base map with contours at a 2-foot interval suitable for engineering design. KCI also prepared record plats and recorded easements associated with the new roadway and drainage.

Conceptual design - KCI provided a site layout plan showing the new roadway layout, associated SWM area, improvements including landscaping. The design included a general overview of the drainage patterns, parking provisions, traffic circulation, and access to the individual two to four acre lots.

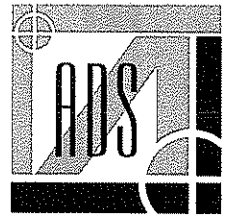
Preliminary Design - KCI provided design analysis of the site requirements for SWM, landscaping, lighting, and erosion and sediment control for the proposed infrastructure. The SWM design included a LOW IMPACT DEVELOPMENT approach including open sections roadway and a bio-retention area with wetland plantings to treat surface run-off from the new pavement. A geotechnical investigation was performed on site by KCI to evaluate existing soil conditions. KCI developed erosion and sediment control, grading, layout, and utility plans. KCI prepared plans and computations for the open section roadway drainage and for the on-site bioretention facility for water quality. Concept drawings were provided for landscaping which corresponded with the roadway site layout and grading plans. An overall planting layout was developed and included enlarged detail plans of specific areas, to clarify requirements.

Final Design - Final design requirements included the applicable Design Analysis, complete 95% design drawings, draft specifications, and cost estimates. KCI incorporated any comments generated during the Final Design Review and prepared final specifications. KCI submitted Design Analysis (in final 100% complete form), 100% complete drawings, final specifications, annotated 95% review comments, two copies of CADD files of all drawings and calculation files, for the design complete submittal. As part of the project, KCI also attended team coordination and site meetings with the Client and Contractor. KCI is performing construction stakeout services as well as construction inspection services.





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



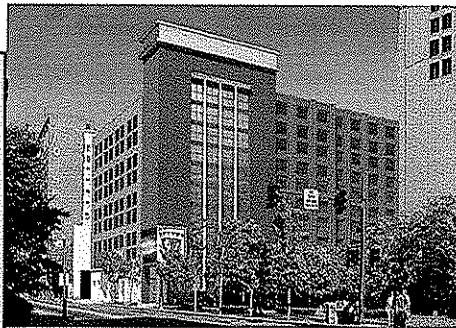
**CONSULTING ENGINEERING FIRM SPECIALIZING
 IN STRUCTURAL BUILDING DESIGN
 AND BUILDING ANALYSIS**

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:

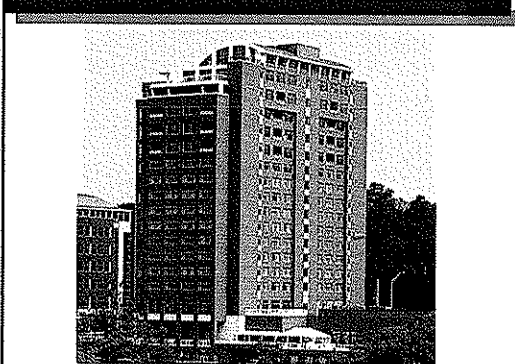
- Commercial
- Industrial



MIXED USE



OFFICE BUILDINGS



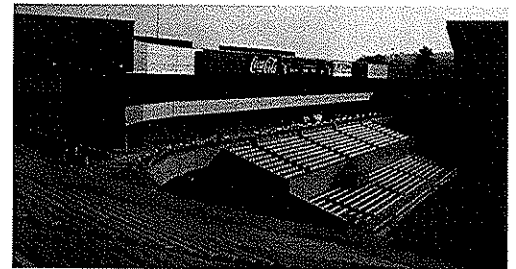
**HOTEL
 CONFERENCE CENTERS**



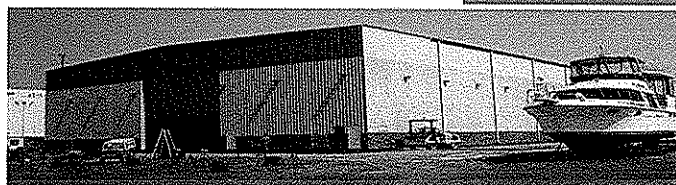
PARKING GARAGES



SECONDARY EDUCATION



ATHLETIC FACILITIES



METAL BUILDING SYSTEMS



HEALTH CARE



Allegheny Design Services

Structural Engineering

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Morgantown, WV 26505

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E-mail: Dave@AlleghenyDesign.com

Web: 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.



Allegheny
Design Services
Structural Engineering

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Morgantown, WV 26505
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E-mail: Dave@AlleghenyDesign.com
Web: www.AlleghenyDesign.com

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



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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
Respiroincs 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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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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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:

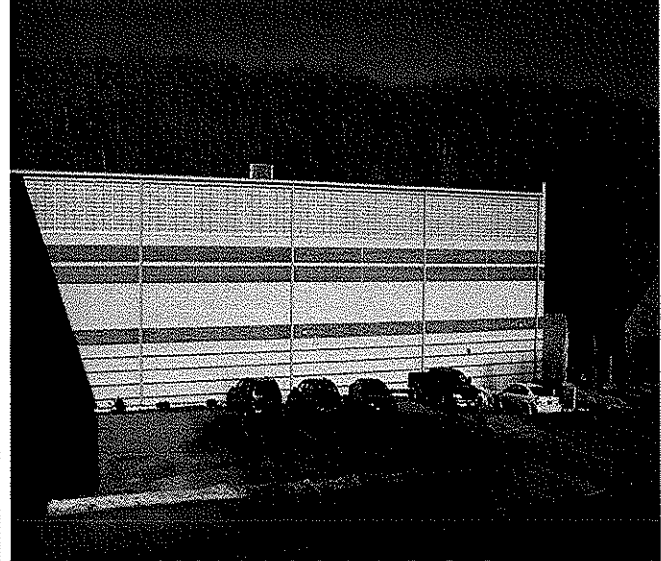
WVU Steel Design – Fall 2007
AISC Façade Attachments to Steel Frames, September 2007
ASCE Reinforced Masonry: Design and Construction, November 2007



Allegheny
Design Services
Structural Engineering

PROJECT PROFILE

Davis & Elkins College Athletic Center Elkins, WV



PROJECT ARCHITECT:
STRUCTURAL ENGINEER:
CONTRACTOR:

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

PROJECT SCOPE:

- Gymnasium
- Offices
- Classrooms

PROJECT VALUE:

\$6 Million

PROJECT COMPLETION:

2006



Allegheny
Design Services
Structural Engineering

PROJECT PROFILE

Delaware Valley Veteran's Home Philadelphia, PA



PROJECT ARCHITECT: GBQC Architects, Philadelphia, PA
STRUCTURAL ENGINEER: David Simpson of Allegheny Design Services, Morgantown, WV
in former employ of R. M. Gensert Associates, Pittsburgh, PA

PROJECT FEATURES:

- New State-of-the-Art 170 Bed Care Facility
- Personal and Alzheimer's Care
- Interior Skylit 'Main Street' Corridor
- Designed and bid in eight months

PROJECT VALUE: \$19 million

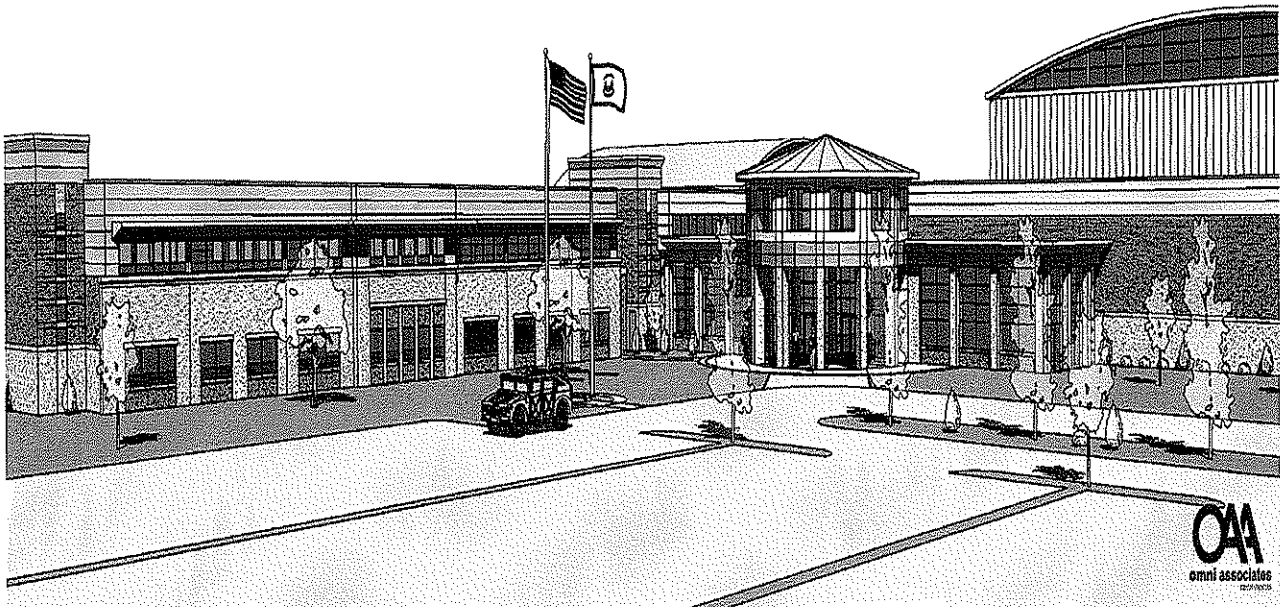
PROJECT COMPLETION: 2002



Allegheny
Design Services
Structural Engineering

PROJECT PROFILE

Fairmont AFRC Fairmont, WV



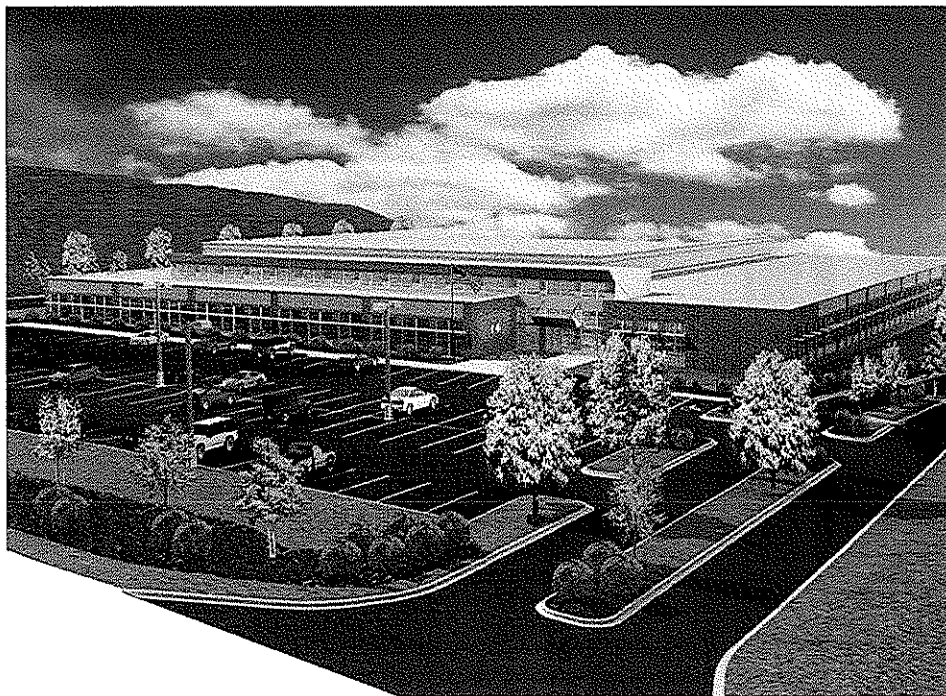
PROJECT ARCHITECT: The Omni Associates—Architects, Inc., Fairmont, WV
STRUCTURAL ENGINEER: Allegheny Design Services, Morgantown, WV
CONTRACTOR: To Be Determined

PROJECT VALUE: \$18 Million

ESTIMATED PROJECT COMPLETION: Under Design

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
Structural Engineering

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

At Tower Engineering, our goal is not to just meet our clients' needs....but to exceed their expectations.

Tower Engineering has been providing innovative mechanical and electrical engineering solutions and unparalleled client service since 1931.

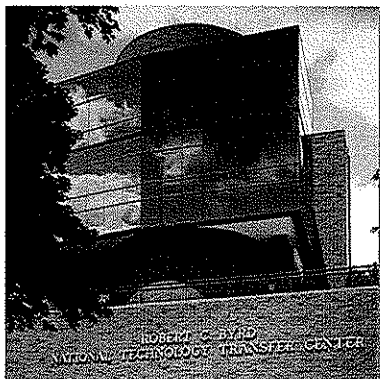
Primary markets of the firm include educational, health care, environments for the aging, and commercial renovations and new construction.

Tower Engineering's highly-trained staff of project managers, designers, and technical support personnel is capable of providing consulting services for every type of project - from a small, single-family residence to a high tech research facility incorporating redundant mechanical and electrical systems, DDC energy management and thermal storage.

Our engineers utilize state-of-the-art computer software programs for the design of lighting, electrical power and mechanical systems. Lighting analysis includes point-by-point calculations, ESI analysis, exterior lighting analysis, and life cycle cost comparisons. Electrical power analysis includes fault current and load flow analysis.

Mechanical analysis includes energy economy analysis, thermal storage analysis, heating and cooling load calculations, refrigerant piping design, water piping design, and ductwork design.

Our professional staff utilizes computer selection of air handling units, coils, pumps, terminal devices, fans, cooling towers, chillers, heat exchangers, kitchen hoods, hydronic and steam specialties, humidification equipment and heat recovery equipment.



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Tower Engineering

Specific Engineering Services

HVAC

- Heating and cooling system design
- Ventilation system design
- Building automation systems
- Control systems and energy monitoring
- Geothermal heat pumps
- Heat recovery systems
- Kitchen and laboratory exhaust systems
- Smoke evacuation systems
- Computer room environmental control systems
- Building commissioning services

Electrical

- Interior and exterior lighting design and studies
- Lighting controls
- Primary and secondary voltage power distribution systems
- Fire detection and alarm systems
- Computer data and power systems
- Uninterruptible power supply systems
- Reinforced and masking sound systems
- Lightning protection systems
- Fault current studies
- System over-current protection coordination

Telecommunications

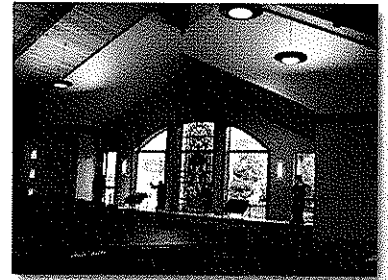
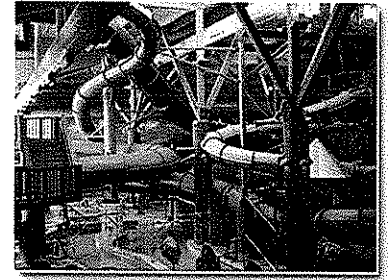
- Voice communication systems
- Data network systems

Plumbing

- Water resource efficiency analysis
- Sanitary drainage systems
- Storm water management
- Domestic water systems
- Waste water treatment systems
- Hospital and laboratory piping systems
- Fuel oil piping systems
- Irrigation systems

Fire Protection

- Standpipe and sprinkler systems
- Fire protection systems



Our Design Experience

- Agricultural & Science Buildings
- Airport Terminals & Hangars
- Athletic Facilities & Stadiums
- Auditoriums & Theaters
- Call Centers
- Classrooms
- Clean Rooms & Special Environments
- Data Centers
- Dining Halls
- Dormitory Buildings
- Environments for the Aging
- High-Rise & Low-Rise Office Buildings
- Historic Preservation & Adaptive Reuse
- Hotels/Motels
- Judicial & Courtroom Facilities
- Manufacturing & Industrial
- Movie Theaters
- Municipal Complexes

- Museums, Galleries & Libraries
- Nuclear Facilities
- Outpatient & Hospital Facilities
- Parking Garages
- Postal Facilities
- Prisons & Correctional Institutions
- Public Safety Buildings
- Recreational Facilities
- Religious Facilities
- Research/Laboratories
- Residential & Multi-Unit Housing
- Retail & Shopping Centers
- Schools
- Student Unions
- TV/Radio Stations
- Vehicle Maintenance Facilities
- Warehouses & Depots



Tower Engineering maintains full CAD capabilities utilizing AutoCAD Release 2008, which is compatible with most micro and mini based computer systems. Our AutoCAD software has been modified in-house to further enhance productivity per discipline. Firm-wide CAD standards are also in place to ensure uniformity.

Tower Engineering has a long history of providing engineering services in West Virginia. For more than five decades, educational, commercial and institutional facilities owners have depended on us to engineer mechanical and electrical systems which are effective, as well as efficient.

During the past two years alone, 34% of our project workload has been in West Virginia. Currently, Tower Engineering is providing mechanical and electrical systems engineering for boards of education in 11 counties, as well as for West Virginia University, Fairmont State University, the West Virginia Hi-Tech Consortium, Rocket Center, and Canaan Valley Institute. We recently completed projects at Glenville State College and the City of Fairmont.



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Recent Projects in West Virginia Have Included:

- Airport Renovations
- Research/Laboratories
- K-12 Schools
- Commercial Offices
- Community Centers
- Retail Buildings
- Stadiums & Athletic Buildings
- Military Training Facilities
- Nursing Homes
- Light Industrial and Warehouses

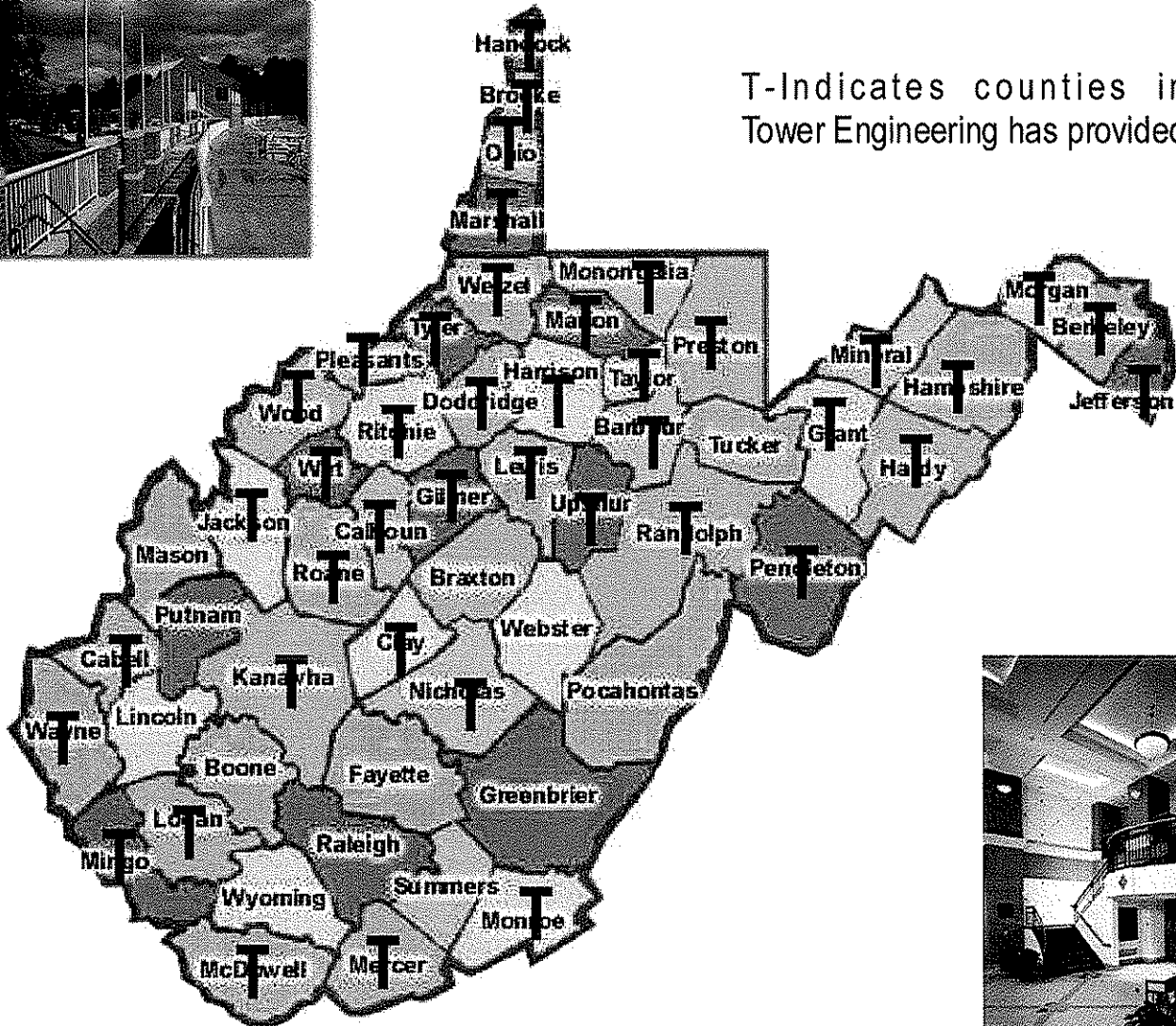


Engineering West Virginia

Located in Pittsburgh...But Not *Just A* Pittsburgh Firm



T-Indicates counties in which Tower Engineering has provided services.



"My grandfather kept diaries from the 1930s until his death in 1963. I've really enjoyed reading of his trips to Charleston to provide services in West Virginia. He would catch the train from Pittsburgh to Charleston and stay overnight, often meeting with multiple clients. The diaries include fascinating information about the architects he worked with....and the exciting projects he engineered."

David E. Tower
Principal, Retired



EDUCATION

BS, Mechanical Engineering
Penn State University
1982

REGISTRATION

PE, Pennsylvania
PE-040568-E

PE, West Virginia
PE-11973

PE, New York

NCEES Registration

AFFILIATION

American Society of Heating,
Refrigeration & Air Conditioning
Engineers (ASHRAE)
Pittsburgh Chapter
Past President

THOMAS J. GORSKI, P.E.

*Principal, President
Mechanical Engineering Department Head*

Mr. Gorski has twenty-six (26) years of experience as a mechanical engineer. His primary responsibilities are the design of HVAC systems and their components for schools, universities, commercial and light industrial office buildings, laboratory buildings, health care facilities and military facilities. He has designed HVAC systems including constant and variable air volume, air handling and exhaust systems; chilled water and hot water systems and steam distribution systems; electric/electronic control, pneumatic control and DDC systems.

Mr. Gorski's design responsibilities include load calculations, equipment selection and system layout, project specifications, cost estimates, direction of the project drafting effort, coordination with architectural and other engineering disciplines, and construction administration. He also performs system analysis and energy studies, maintains client contact, and supervises the engineering effort of the Mechanical Engineering groups.

REPRESENTATIVE EXPERIENCE:

Pennsylvania Army National Guard, Connellsville, Pennsylvania
New Readiness Center

U.S. Army Reserve Center, Jane Lew, West Virginia
Readiness Center and Organizational Maintenance Shop Building

Stryker Brigade Combat Team, Cambridge Springs, Pennsylvania
Readiness Center & OMS

H.J. Heinz Lofts, Pittsburgh, Pennsylvania
Adaptive Reuse/Renovation of Five Former Industrial Buildings

Ebensburg Center, Ebensburg, Pennsylvania
Heating System Replacement in Dormitory Buildings 1-7

Housing Authority of City of Pittsburgh, Pittsburgh, Pennsylvania
Open-Ended Agreement Demolition Task Orders, Multiple Projects

McKeesport Housing Authority, McKeesport, Pennsylvania
Open-Ended Agreement for Engineering Services, Multiple Projects

University of Pittsburgh, Pittsburgh, Pennsylvania
New Upper Campus Housing, Phases 1 and 2

Westmoreland County Housing Authority, Scottdale, Pennsylvania
Scottdale Manor Efficiency Conversion

University of Pittsburgh, Pittsburgh, Pennsylvania
Upper Campus Housing Phases 1 and 2

STEPHEN J. KISAK, P.E.

*Principal
Electrical Engineering Department Head*

EDUCATION

Master of Business Administration
Frostburg University
1997

BS, Electrical Engineering
University of Pittsburgh
1988

REGISTRATION

PE, Pennsylvania
PE-052645-E

PE, Virginia
PE-0402-026204

An electrical designer/engineer for twenty (20) years, including 3 years as a high voltage electrical designer, Mr. Kisak has provided engineering services for the design of educational facilities, office buildings, college and university facilities, health care, assisted living/nursing homes, and commercial facilities. His primary responsibility is for the preparation of electrical opinions of cost, technical specifications, engineering drawings, field observation, and coordination with architectural and other engineering disciplines.

Mr. Kisak's design responsibilities including lighting layout and fixture selection, including calculations and system coordination studies and calculations; computer rooms and associated support facilities; fire alarm and detection systems; emergency power, public address, audio-visual, security and closed circuit television systems. Additional responsibilities include client contact, field observation, and project management.

REPRESENTATIVE EXPERIENCE

Pennsylvania Army National Guard, Connellsville, Pennsylvania
New Readiness Center

Stryker Brigade Combat Team, Cambridge Springs, Pennsylvania
Readiness Center & OMS

VA Pittsburgh Medical Center, Pittsburgh, Pennsylvania
Inpatient Pharmacy Renovation
IMRT and IMRT2 Renovations
New Parking Garage
Radiology Dept Offices
Parking Garage New Substation

H. J. Heinz Lofts, Pittsburgh, Pennsylvania
Adaptive Reuse and Renovation

University of Pittsburgh, Pittsburgh, Pennsylvania
Upper Campus Housing (Phases 1 and 2)

Collington Life Care Community, Mitchellville, Maryland
Senior Housing Community Renovations & New Construction of Multiple Facilities

Washington & Jefferson College, Washington, Pennsylvania
New Residence Halls Phases I and II

EDUCATION

Bachelor Mechanical Engineering
Penn State University
1997

REGISTRATION

PE, Pennsylvania
PE-062304, 2003

Certified in Plumbing
Engineering (CIPE), 1998

MICHAEL S. PLUMMER, P.E., C.I.P.E.

*Firm Associate
Plumbing & Fire Protection Engineering Department Head*

With eleven (11) years of experience as a mechanical designer/engineer, Mr. Plummer is primarily responsible for the design of plumbing and fire protection systems and their components for educational, governmental, and commercial buildings.

Mr. Plummer's plumbing/fire protection design responsibilities include performing calculations for hydraulically designed sprinkler systems; designing water supply and pumping systems including fire mains and sizing of fire pumps; design/testing of fire protection and alarm systems; and design of plumbing sewage, gas and water systems. In addition to plumbing/fire protection systems, Mr. Plummer is an experienced HVAC system designer, and performs load calculations, equipment selection and systems layout. His duties include preparation of project specifications, cost estimates, project management, and coordination with architectural and other engineering disciplines.

Mr. Plummer also performs construction administration duties including review of submittals, preparation of punch lists, and field problem solving, as well as supervising the engineering efforts of the Plumbing/Fire Protection Department.

REPRESENTATIVE EXPERIENCE

Pennsylvania Army National Guard, Connellsville, Pennsylvania
New Readiness Center

Stryker Brigade Combat Team, Cambridge Springs, Pennsylvania
Readiness Center & OMS

H.J. Heinz Lofts, Pittsburgh, Pennsylvania
Adaptive Reuse/Renovation of Five Former Industrial Buildings

Collington SeniorCare, Prince George's County, Maryland
Life Care Community, Multiple Renovations/New Construction

Best Western Inn & Suites Hotel, State College, Pennsylvania
New Hotel

Waynesburg University, Waynesburg, Pennsylvania
New Men's Dormitory Building

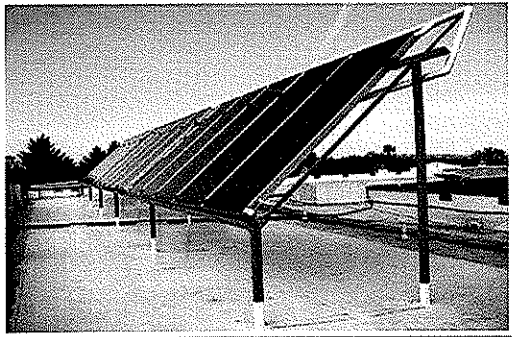
McKeesport Housing Authority, McKeesport, Pennsylvania
Open Ended Agreement for Engineering Services, Multiple Projects

Housing Authority of Pittsburgh, Pittsburgh, Pennsylvania
Multiple Demolition Projects

Working together with our clients, Tower Engineering takes great pride in implementing environmentally conscious solutions to building issues. To sustain our environment, we design building systems that use material, energy and water resources efficiently, minimize site impacts and address health issues relating to the indoor environment.

Over the last decade, various groups have worked to develop strategies to promote and facilitate the design of sustainable, high performance buildings. One such organization, The **U.S. Green Building Council**, has created a nationally recognized certification process for evaluating sustainable and high performance buildings, a program called "**Leadership in Energy and Environmental Design**," commonly known by its acronym "**LEED**". In addition to being a member of the U.S. Green Building Council (USGBC), Tower Engineering's staff includes LEED accredited professionals.

The LEED certification process rates the levels of sustainability achieved in a building: LEED Certified, LEED Silver, LEED Gold, and the highest rating, LEED platinum. Awards are based upon achieving "sustainability points" in the areas of Site, Water, Energy & Atmosphere, Materials and Resources, Indoor Environmental Quality, and Innovation & Design Process.



Our LEED design experience includes the Felician Sister's Motherhouse (left) which received a Gold rating and J.S. Wilson Middle school (below left) which was designed to a LEED Silver rating and included such sustainable features as geothermal heating and cooling.



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LEED™ Rated Design



Felician Sisters' Motherhouse Coraopolis, Pennsylvania

- Super-high efficiency modular boilers to maintain 60 degrees F low-end water temperature.
- Carefully sized individual heat pumps to provide adequate compressor runtimes to ensure summer dehumidification and cooling without short cycling.
- Specification of premium efficient motors for pumps and larger RTU fans.
- Specification of Ventilation Heat Pump Rooftop Units with factory-installed energy recovery sections.
- Utilization of carbon dioxide sensors to reduce outside air quantities in multi-use spaces when not fully occupied.
- Specification of fully automated temperature controls system to provide computerized monitoring and control of mechanical equipment for maximum energy savings and systems optimization.
- Engineered lighting levels to exceed ASHRAE 90.1-1999 using the most efficient lamp and fixture combinations.

***The Project Team has achieved a
LEED™ Gold rating.***

LEED Project Experience:

- Felician Sisters Motherhouse (Gold)
- Three Rivers Rowing Association Boat Storage & Maintenance Building (Certified)
- Carnegie Mellon University Henderson House Renovations (Silver)
- Carnegie Mellon University Posner Conference Center Rare Books Room (Certified)
- Pittsburgh Children's Museum Renovation & Expansion (Silver)
- Regional Learning Alliance at Cranberry Woods (Silver)
- Berkeley County Board of Education New Spring Mills Primary School (Silver)
- Canaan Valley Institute New Headquarters/Education Building (Certified)
- Department of Energy Morgantown Record Storage (Gold)

The following projects were designed in accordance with the LEED rating system, but ultimately did not pursue a LEED certification:

- Millcreek School District J.S. Wilson Middle
- Corry School District New Elementary School
- Holy Sepulcher Parish New Church
- National Guard Stryker Center
- North Hills School District McIntyre & Highcliff Elementary Schools
- Pine Richland School District New Upper Elementary School
- Pine Township Recreation Center
- Pittsburgh Children's Home
- Sisters of St. Joseph New Office Building
- Southwest Butler County YMCA (Cranberry)
- Upper St. Clair Community Center
- Watson Institute, Craig Academy

Tower Engineering has provided mechanical and electrical consulting engineering services for numerous Government-owned facilities. With seven decades of experience, our firm knows the importance of meeting the client's needs without exceeding the project's budget.

Thoroughly familiar with current government and military standards, our firm has provided engineering services for the following government-owned facilities:

Federal Government

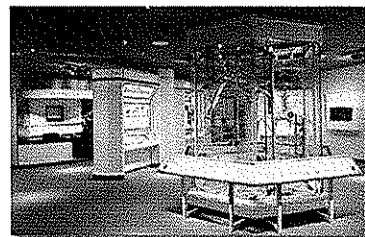
William S. Moorhead Federal Office Building, PA
Department of Labor Job Corps Center, PA
Butler VA Hospital, PA
Department of Labor Job Corps Medical Center, PA.
Army Corps of Engineers Lab, PA
Army Corps of Engineers Neville Island, PA
National Guard Readiness Center Connellsville, PA
National Guard Stryker Center Cambridge Springs, PA
National Guard Fairmont Readiness Center, WV
Army Reserve Center Jane Lew, WV
Army Reserve Center Clarksburg, WV
IRS Liberty Center Tenant Fitup, PA
INS Application Support Center, PA
VA Medical Center Pittsburgh, PA (multiple)
Department of Energy Records Storage, WV
Department of Agriculture Lab, PA
National Geospace Agency St. Louis, MO



New Fairmont, WV Parking Garage



Mt. Lebanon, PA Transportation Center



PA Capitol Welcome Center

State Government

State Police Building, PA
Capitol Building Welcome Center, PA
Tygart Lake State Park Lodge Addition, WV
Twin Falls Resort State Park Addition, WV
DER Regional Offices, PA
DER Lab Renovation, PA
Ebensburg Center HVAC Renovation, PA
Buckingham Protection Custody Facility, PA
HRS Computer Room, PA
Capitol Science & Cultural Center, WV
Scotland School for Veterans Children, PA



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Government-Owned Facilities

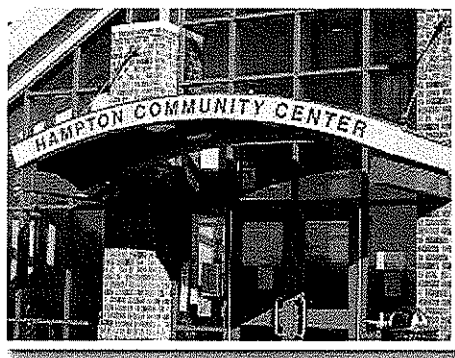
Local Government

Allegheny County Housing Authority, PA
Beaver County Courthouse & Annex, PA
Beaver County Ice Arena Renovations, PA
Bellevue Borough Building Study, PA
Bethel Park Community Center, PA
Cambridge Springs Library, PA
Cambridge Water Treatment Plant, OH
City County Building Pittsburgh, PA
City Hall Pittsburgh PA
City of Pittsburgh Swimming Pools, PA
City of Pittsburgh EOC 911, PA
City of Pittsburgh Warehouse, PA
Public Auditorium Authority Civic Arena, PA)
Cranberry Township Municipal Complex, PA
Dormont Pool Complex Feasibility Study, PA
Eighth Avenue Streetscape Phase IV, PA
Erie Senior Citizen's Center, PA
Erie Veteran's Stadium Renovation, PA
Fairmont Parking Garage, WV
Fairmont Public Safety Building, WV
Field Avenue Recreation Park, PA
Franklin Park Municipal Building, PA
Franklin Township Sanitation Authority, PA
Freeport Borough Building, PA
Greater Pittsburgh International Airport, PA
Green Tree Municipal Building, PA
Greensburg County Building, PA
Hampton Township Master Planning, PA
Housing Authority of the City of Pittsburgh, PA

Kennedy Township Park, PA
Louis J. Tullio Convention Center Erie, PA
McCandless Municipal Building, PA
Monroeville Municipal Building, PA
Moon Township Water Authority, PA
Mt. Lebanon Parking Garage, PA
New Stanton Water Treatment, PA
Penn Hills Recreation Center, PA
Penn Township Civic Center, PA
Penn Township Municipal Complex, PA
Pittsburgh Parking Authority, PA
Ross Township Municipal Complex, PA
South Park Municipal Buildings, PA
South Strabane Township Municipal Building, PA
Stowe Senior Citizens' Center, PA
Three Rivers Stadium Renovations, PA
Vanport Municipal Authority, PA
Western Ave. Streetscape Improvements, PA
Westmoreland County Housing Authority, PA

United States Postal Service

McKnight Road, Pittsburgh, PA
Clairton, PA
Monongahela, PA
Northside, Pittsburgh, PA
Grant Street, Pittsburgh, PA
Rochester, PA
Bulk Mail Handling Facility, Pittsburgh, PA
Open Ended Services Agreement, PA and WV



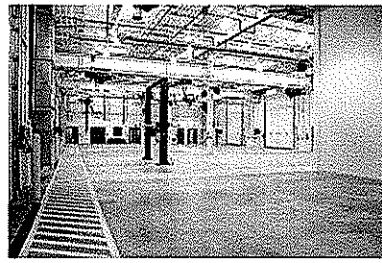
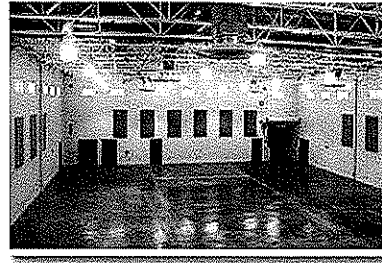
Project Example

Pennsylvania Army National Guard
Stryker Brigade Combat Team
Readiness Center & OMS
Cambridge Springs, Pennsylvania

Tower Engineering provided engineering services for the design/build of a new 69,900 s.f. Readiness Center and 19,800 s.f. Organizational Maintenance Shop (OMS) for the Stryker Brigade Combat Team. These facilities will provide spaces for training and housing of troops, as well as storage and maintenance of military vehicles and equipment. The center was constructed to replace outdated armories in Erie, Corry and Meadville.

Sustainable design features were included in the design and construction of these facilities, with a goal of a SPiRiT rating of Gold. Design requirements included Anti-Terrorism/Force Protection (AT/FP).

Construction costs were \$19.6 million. This project was completed in 2008.



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Facilities for the Armed Forces

Project Example

West Virginia Army National Guard
Armed Forces Reserve Center
Fairmont, West Virginia

Tower Engineering is currently providing engineering services for the construction of a new \$22 million multipurpose facility to be located in East Fairmont. At 65,000 s.f., the facility will feature an assembly hall, classroom and distance learning center. Other major components include a kitchen/dining area, toilets/showers, administrative, training and storage spaces, and vehicle maintenance.

The project also includes a new multipurpose center that will also serve the city and county as a special events and convention facility.

This project is currently in design.

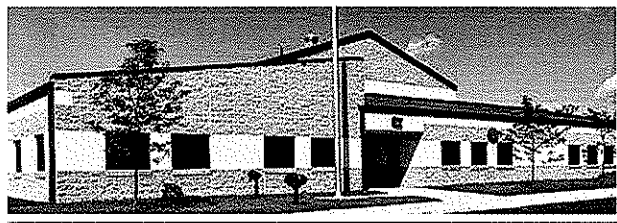


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Facilities for the Armed Forces

Project Example

U.S. Army Reserve Centers
Jane Lew, West Virginia and
Clarksburg, West Virginia



Tower Engineering provided engineering services for the U.S. Army Reserve Training Center in Jane Lew, West Virginia. The Center provides a suitable facility for weekend and other intermittent training exercises of the Army Reserve. At 7,400 square feet, the facility includes offices, a large Assembly area, a full service Kitchen, Arms Storage, and supporting storage and mechanical areas.

A separate Organizational Maintenance Shop Building (OMS) provides an enclosed garage area for maintenance operations on the various vehicles, an office, and tools and parts storage.

Tower Engineering also provided mechanical and electrical consulting engineering services for the construction of an 16,120 s.f. Training Building and 10,168 s.f. Organizational Maintenance Shop at the U.S. Army Reserve Center in Clarksburg, West Virginia.

These facilities, as well as the buildings at Jane Lew, West Virginia, were designed in accordance with the U.S. Army Corps of Engineers' "Architectural and Engineering Instructions, Design Criteria."



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Facilities for the Armed Forces

Tower Engineering is committed to providing state-of-the-art HVAC, electrical, plumbing and fire protection systems for housing facilities - not only providing comfort and safety, but also energy efficiency and maintenance friendliness.

Tower Engineering has designed numerous residential facilities - from student apartments housing 500 students to multi-family properties. We have used many innovative design techniques to enhance the cost savings to the owners, while also being responsive to the concerns and needs of the residents.

Our expertise in housing includes:

- Single-Family Residences
- Multi-Family Properties
- Housing for Senior Adults - Multi-Family and Cottages
- Reuse of Historic Buildings and Industrial Sites
- Student Housing Including Dormitories & Apartments
- Dormitories for Public and Private Entities
- Hotels, Motels, Lodges



Tower Engineering has provided engineering services for multiple housing projects, ranging from single-family residences to upscale apartments such as the H.J. Heinz Lofts (left) and the Slippery Rock Student Apartment Complex (below).



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Residential/Housing

Our project experience includes the following representative projects:

Student Dormitories & Apartments

Carnegie Mellon University Henderson House & Welch Hall
Mercyhurst College New Dormitory Building
Saint Francis University Christian Hall Residence/Conference Center
Slippery Rock University Apartment-Style Residence Complex
University of Pittsburgh Upper Campus Housing Phases I and II
University of Pittsburgh Fraternity Houses 1-8 Renovations
Washington & Jefferson University Residence Buildings (2)
Waynesburg University New Dormitory Building
West Virginia University New Downtown Housing



Apartments, Condominiums and Communities

Collington Life Care Retirement Community Cottages & Apartments
H.J. Heinz Lofts
Kings Grant Condos Renovation
Tamarack Club, Holiday Valley Condominium Building
New Sewickley Condo Buildings (3)
Forest Hills Senior Apartments
Longwood at Oakmont Independent Living Apartment Building
Southwinds at Lake Tahoe, Seven Springs Condominium Buildings (7)



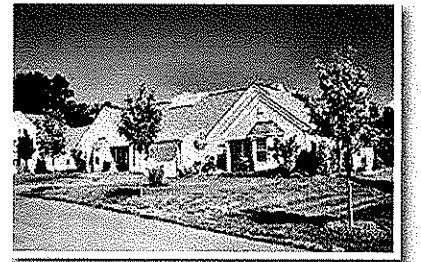
Multi-Family & Subsidized Housing

Housing Authority of the City of Pittsburgh, Multiple Projects
Housing Authority of Lawrence County
McKeesport Housing Authority, Multiple Projects
Munhall Homesteads Housing
Northside Senior Housing, Inc.
Second Baptist Senior Housing, Inc.
Westmoreland Housing Authority, Multiple Projects
Ebensburg Center Care Center for the Mentally Retarded



Other Dormitories for Public & Private Entities

Abraxas Dormitories
Clelian Heights Boys' Residence
Felician Sisters Motherhouse
Glade Run Lutheran Services Treatment Residential Center
Renewal Treatment Center, Multiple Projects



Hotels, Motels & Lodges

Best Western Hotel
Nittany Lion Inn, Multiple Projects
Twin Falls Resort Lodge Expansion

