

**West Virginia Army National Guard
Readiness Center and
Field Maintenance Shop
Parkersburg, West Virginia**

**Sealed Bid
Buyer 32
RFQ NO: DEFK10013**

**April 13, 2010
1:30 pm**

**Expression of Interest
Architectural and Engineering Services**

RECEIVED

2010 APR 13 A 10:18

**PROCUREMENT DIVISION
STATE OF WV**



9 April 2010

State of West Virginia
Department of Administration
Purchasing Division - Building 15
2019 Washington Street, East
Charleston, WV 25305-0130

RE: EOI for the West Virginia Army National Guard, Readiness Center and Field Maintenance Shop,
Parkersburg, West Virginia

Mr. Abbott:

Paradigm Architecture Inc. is pleased to submit this Expression of Interest for the Readiness Center and Field Maintenance Shop for the West Virginia Army National Guard in the vicinity of Parkersburg, West Virginia. We have assembled a team of local professionals with appropriate project experience and ability to complete these projects.

Brought together by **H.F. Lenz**, whom both firms have teamed with previously on government projects, Paradigm Architecture has partnered with **DRS Architects** to deliver you the highest quality of personal service, design expertise, project management, and quality control throughout the course of this project. Our team has a primary focus of providing exceptional client service, and we invite you to call upon any of our references to confirm this. By combining Paradigm's wide range of project experience throughout the State of West Virginia with DRS Architects' experience designing Readiness Center facilities and other military installations, we will provide you with a unique, collaborative team that will make this project a success!

Located in Morgantown, WV, **Paradigm Architecture** has successfully completed multiple government projects, at federal, state, and local levels. Examples include recently completed office buildings for the **U. S. Department of Agriculture** and the **U. S. Department of Energy** in Morgantown, WV, both of which are pending **LEED** Certification. In addition, we have completed other office buildings and maintenance facilities such as the Glenmark Headquarters, Marina Tower, G.R. Manufacturing, and Coca Cola Cross Dock Facility. We have many active projects and strong client relationships as demonstrated by our repeat business with the **Waterfront Development** and **West Virginia University** in Morgantown, **Fairmont State University** in Fairmont, **Davis and Elkins College** in Elkins, and the **Glade Springs Resort** in Daniels. Paradigm Architecture will provide team and project management, design development, construction documents, bidding, and construction administration services, with support during schematic design and programming.

Located in Pittsburgh, PA, **DRS Architects** is an award winning architectural firm with abundant experience in military and government installations. Over the last fifteen years, DRS has completed ten reserve centers/readiness centers with maintenance facilities for the **U. S. Army Reserve and Pennsylvania National Guard**. Most recent relevant projects include the \$19 M Stryker Brigade Readiness Center and Organization Maintenance Shop and the \$4 M Operational Maintenance Shop for the PA Army National Guard. Other local examples include **Reserve Centers and Organizational Maintenance Shops in Morgantown, Elkins, Kingwood, and Grantsville, WV**. DRS has a thorough knowledge and understanding of the design standards and technical manuals for this building type. DRS Architects will provide planning, programming, schematic design, and interior design with support during design development, construction documents, bidding, and construction administration services.

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



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

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', written over a horizontal line.

Paul Walker, AIA
President, Paradigm Architecture



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
DEFK10013

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
BUYER 32
304-558-2544

RFQ COPY
 TYPE NAME/ADDRESS HERE

SUBJECT

SUPPLIER

DIV ENGINEERING & FACILITIES
ARMORY BOARD SECTION

1707 COONSKIN DRIVE
CHARLESTON, WV
25311-1099 304-341-6368

| DATE PRINTED | TERMS OF SALE | SHIP VIA | FOB | FREIGHT TERMS |
|--------------|---------------|----------|-----|---------------|
| 03/14/2010 | | | | |

BID OPENING DATE: **04/13/2010** BID OPENING TIME **01:30PM**

| LINE | QUANTITY | UOP | CAT. NO. | ITEM NUMBER | UNIT PRICE | AMOUNT |
|---|----------|-----|----------|-------------|------------|--------|
| 0001 | 1 | JB | | 906-29 | | |
| PARKERSBURG READINESS CTR & MAINTENANCE SHOP EXPRESSION OF INTEREST THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA ARMY NATIONAL GUARD'S CONSTRUCTION AND FACILITIES MANAGEMENT OFFICE, IS SOLICITING EXPRESSIONS OF INTEREST FOR PROFESSIONAL ARCHITECTURAL ENGINEERING DESIGN SERVICES FOR A READINESS CENTER AND FIELD MAINTENANCE SHOP LOCATED NEAR PARKERSBURG, WV, IN WOOD CO., PER THE FOLLOWING BID REQUIREMENTS AND THE ATTACHED SPECIFICATIONS. BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER. ***** THIS IS THE END OF RFQ DEFK10013 ***** TOTAL: _____ | | | | | | |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

| | | |
|--------------------|---------------------------|-----------------------------------|
| SIGNATURE | TELEPHONE 304.284.5015 | DATE April 9, 2010 |
| 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
Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: 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.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

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.

WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: Paradigm Architecture, Inc.

Authorized Signature: [Signature] Date: April 9, 2010

State of West Virginia

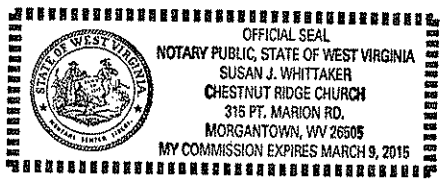
County of Monongalia, to-wit:

Taken, subscribed, and sworn to before me this 12th day of April, 2010.

My Commission expires March 9, 2015.

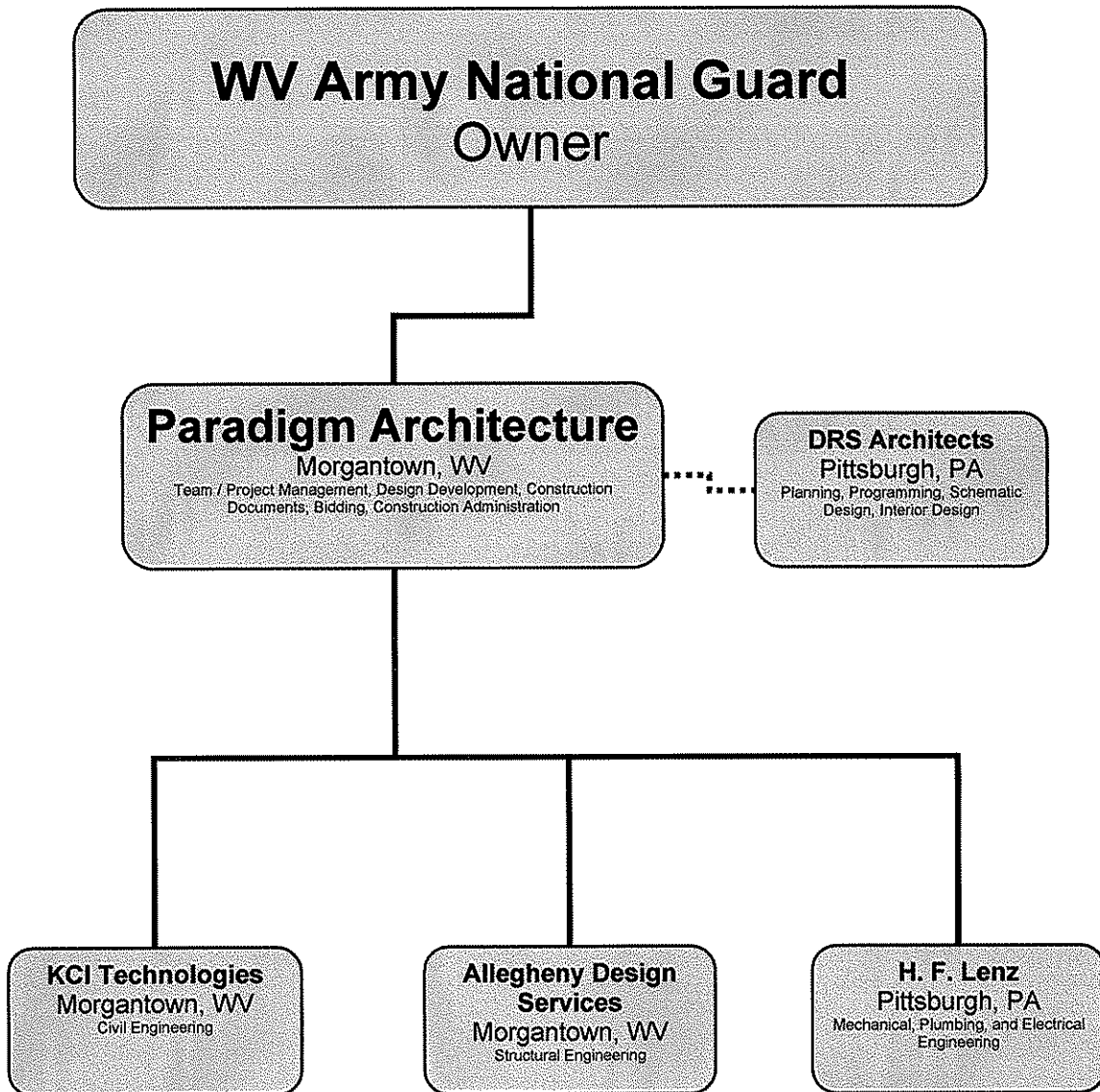
AFFIX SEAL HERE

NOTARY PUBLIC Susan J. Whittaker



**WV Army National Guard
Construction and Facilities Management Office
Architectural and Engineering Services**

Organizational Chart of Proposed Team





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:

- 2010 – WV AIA Honor Award – Upper Monongahela River Center, Morgantown, West Virginia
- 2010 – WV AIA Merit Award – West Virginia University Transportation Center and Garage
Morgantown, West Virginia
- 2008 – Best New Construction Award from Main Street Morgantown for
Marina Tower, Morgantown, West Virginia
- 2008 – Best New Office Award from Main Street Morgantown for
Spilman Thomas Battle, Morgantown, West Virginia
- 2004 – The Top Block Award from the Alabama Masonry Institute for
Russell Professional Office Building III, Alexander City, Alabama
- 2004 – The Circle of Design Excellence Award from the Pittsburgh Corning Glass Block for
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)



Firm Profile

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.



Customer Relationships and Quality Assurance

Paradigm Architecture prides itself on providing excellent client service. When asked one time whether Paradigm Architecture was primarily a Design Firm or a Technical Firm, the response was simply "We are a Client Service Firm." Our portfolio of projects exemplifies this as a quick review shows that the majority of our work comes from repeat clients. We are known for providing fast, local response as well as personal attention to each and every project, no matter how large or how small. Below are brief summaries of techniques used to maintain these valuable relationships.

Project Management

Every project will be assigned a Project Manager who is a licensed Architect with appropriate project type experience. This project manager will be assigned to the project from conception to project closeout and will be the client's primary point of contact for the entire design team. Communication is of utmost importance for any project to be successful and a workflow of communication, including identifying key individuals' responsibilities and authorities will be established at the onset of the project. Unlike most design teams, we feel that it is important for the Owner to have direct contact with the consultants on the design team. There will be scheduled meetings throughout the duration of the project where the Owner will have the opportunity to be directly involved with all aspects of the project's design. These meetings will range from design charrettes to interviews with maintenance staff to feedback meetings at the conclusion of design phases

Construction Contract Administration

In addition to the Project Manager, a Construction Contract Administrator will be assigned to each project. This individual will have extensive experience with the Client's established **Design Guidelines and Standards** and Construction Contract procedures. Unique to our company, this person will have been actively involved with the project during design and will have firsthand knowledge of the project's design. The Construction Administrator's roles will include managing and reviewing shop drawings, submittals, and RFI's for the entire design team. Additional roles include attendance at job site meetings, documenting construction progress and actively keeping the Owner through direct correspondence. The Contract Administrator will endeavor to have a good working relationship with the successful contractor bidding on the project to ensure that the project is a success for all parties involved.

Project Closeout

Project Closeout Procedures will involve inspections by all members of the design team for Substantial Completion, and again at Final Completion. Each team member will generate a punch list of items that are either deficient or need to be completed. Closeout Submittals are required on every project and include not only Operations and Maintenance Manuals, but also Record Drawings, Approved Shop Drawings/Submittals, Attic Stock, and Contact Information for all Subcontractors on the project. A careful review and confirmation of the Closeout Submittals will be conducted prior to approval of the Final Payment Application.



Customer Relationships and Quality Assurance

From Program to Design to Construction

Once a program has been established, Paradigm Architecture will lead the design team through Schematic Design, Design Development, and Construction Documents. Schematic Design Deliverables will include Preliminary Architectural Floor Plans and Elevations, as well as Systems Narratives by all consultants. Design Development Deliverables will include detailed floor plans, elevations, sections, schedules, and single line engineering drawings. An outline specification will also be part of these deliverables, as well as 3d renderings for marketing purposes. Construction Documents Deliverables will include fully developed and completed drawings and specifications from all disciplines.

At all phases, an updated cost estimate will be provided that represents the current status of the project. As required for budget control, value engineering will take place prior to bidding and alternates will be included in the final bidding documents.

Once Bidding Documents have been approved by the Owner, Paradigm Architecture will assist the Owner in the Procurement Phase by prequalifying contractors, holding a Pre-Bid Conference, responding to questions, and issuing Addenda. After bids have been received, lowest responsible bidder approved, and a Construction Contract issued, Paradigm will provide Construction Contract Administration Services as described above.



Quality Control and Management

Teamwork

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.

Technology

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 2010, Revit Architecture 2010, 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.

Project Delivery

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



Quality Control and Management

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.

Cost Control

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.

LEED / Green Building

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. We have one LEED Accredited Professional on staff and others who are pursuing 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.

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

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

Mr. Claiborne Williams
FD Partners, LLC
1629 K Street, NW
Washington, DC 20006
(202) 629-1466

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

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

Bradley S. Leslie, PE
Assistant Chief
WV DNR, Parks and Recreation Section
Capitol Complex, Bldg 3, Room 719
Charleston, WV 25305
(304) 558-2764

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

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

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

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



Paul A. Walker, AIA

President, Principal in Charge, Project Manager

Mr. Walker has twenty-seven 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 Cert. No. 53858
North Carolina No. 4910

West Virginia No. 2626
Alabama No. 5398

Florida No. 95045

PROFESSIONAL, CIVIC AND OTHER ACTIVITIES

American Institute of Architects
Board Member, Chestnut Ridge Church

AWARDS AND HONORS

Upper Monongahela River Center, Morgantown, West Virginia
2010 Honor Award, West Virginia American Institute of Architects

West Virginia University Transportation Center and Garage, Morgantown, West Virginia
2010 Merit Award, West Virginia American Institute of Architects

Marina Tower/Spilman Thomas Battle, Morgantown, West Virginia
2008 Best New Construction and Best New Office Awards, Main Street Morgantown

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

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.

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-dīm') n. An example that serves as pattern or model.



Jonathan L. Perry, AIA, LEED AP

Assistant 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 ten years of experience in commercial and residential architecture and has been with Paradigm Architecture for the last nine 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, 2009

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

LEED Accredited Professional

AWARDS AND HONORS

Upper Monongahela River Center, Morgantown, West Virginia
2010 Honor Award, West Virginia American Institute of Architects

West Virginia University Transportation Center and Garage, Morgantown, West Virginia
2010 Merit Award, West Virginia American Institute of Architects

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



Grant T. Gramstad, AIA

Project Architect

Mr. Gramstad has sixteen 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

Upper Monongahela River Center, Morgantown, West Virginia
2010 Honor Award, West Virginia American Institute of Architects

West Virginia University Transportation Center and Garage, Morgantown, West Virginia
2010 Merit Award, West Virginia American Institute of Architects

Marina Tower, Morgantown, West Virginia
2008 Best New Construction Award, Main Street Morgantown

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 Coming 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.

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



Todd G. Christopher, AIA

Assistant Project Architect

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 eight 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. 66482
North Carolina No. 11326
West Virginia No. 4141

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
USGBC LEED Silver Certified

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



David H. Snider, AIA

Specifications Writer, Quality Control

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 nine years of his twenty-four 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

Upper Monongahela River Center, Morgantown, West Virginia
2010 Honor Award, West Virginia American Institute of Architects

West Virginia University Transportation Center and Garage, Morgantown, West Virginia
2010 Merit Award, West Virginia American Institute of Architects

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.



Steve Konya II

CAD Technician and Construction Administrator

Mr. Konya's responsibilities have included development of construction drawings and documents, construction administration, project management tasks, marketing, and photography. He has a combined fifteen years of experience in commercial architecture and has been with Paradigm Architecture for five years. Project types have included commercial, corporate, educational, hospitality, institutional, and retail.

EDUCATION

Fairmont State College, Fairmont, West Virginia
Bachelor of Science in Engineering Technology, 1996

PROFESSIONAL, CIVIC AND OTHER ACTIVITIES

Professional Photographers of West Virginia

AWARDS AND HONORS

Upper Monongahela River Center, Morgantown, West Virginia
2010 Honor Award, West Virginia American Institute of Architects

West Virginia University Transportation Center and Garage, Morgantown, West Virginia
2010 Merit Award, West Virginia American Institute of Architects

Marina Tower, Morgantown, West Virginia
2008 Best New Construction Award, Main Street Morgantown

Spilman Thomas Battle, Morgantown, West Virginia
2008 Best New Office Award, Main Street Morgantown

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

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



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.

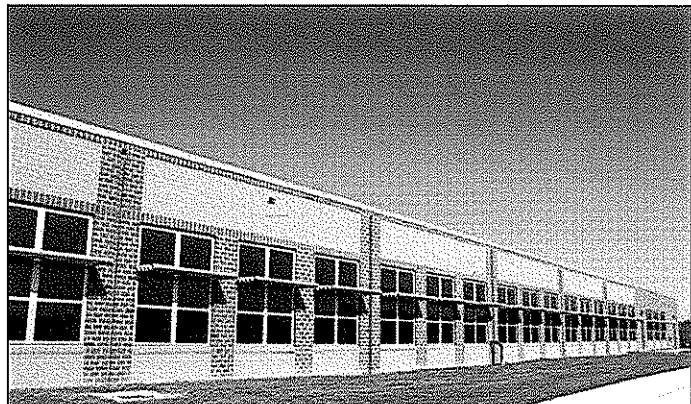
This project will be registered as a LEED Gold Certified Building.

Owner: FD Partners, LLC

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

Completed: 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



Awarded through a Design-Build Competition sponsored by the General Services Administration. This facility houses 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

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

Contractor: The March-Westin Company





West Virginia University Intermodal Garage

Morgantown, West Virginia



Intermodal Transportation Center and Parking Garage. A State of West Virginia Design-Build Competition featuring a 500 car parking garage, bus drop-off area/lounge and toilets, retail space, and office areas for the West Virginia University Parking Authority. The facility is designed to connect to the Public Rapid Transit Station and can be expanded both vertically and horizontally to accommodate a total of 1500 vehicles.

Owner: West Virginia University

Design Architect: Paul A. Walker, AIA

Project Manager: David H. Snider, AIA

Project Architect: Jonathan L. Perry, AIA

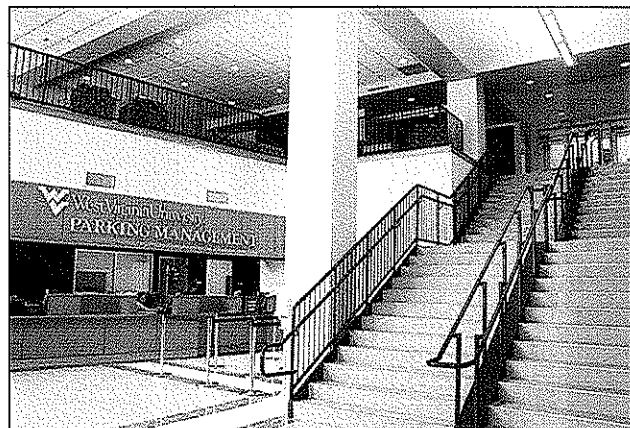
Completed: Fall 2009

Cost: \$14.5 Million

Size: 500 Parking Spaces

Delivery Type: Design-Build Competition

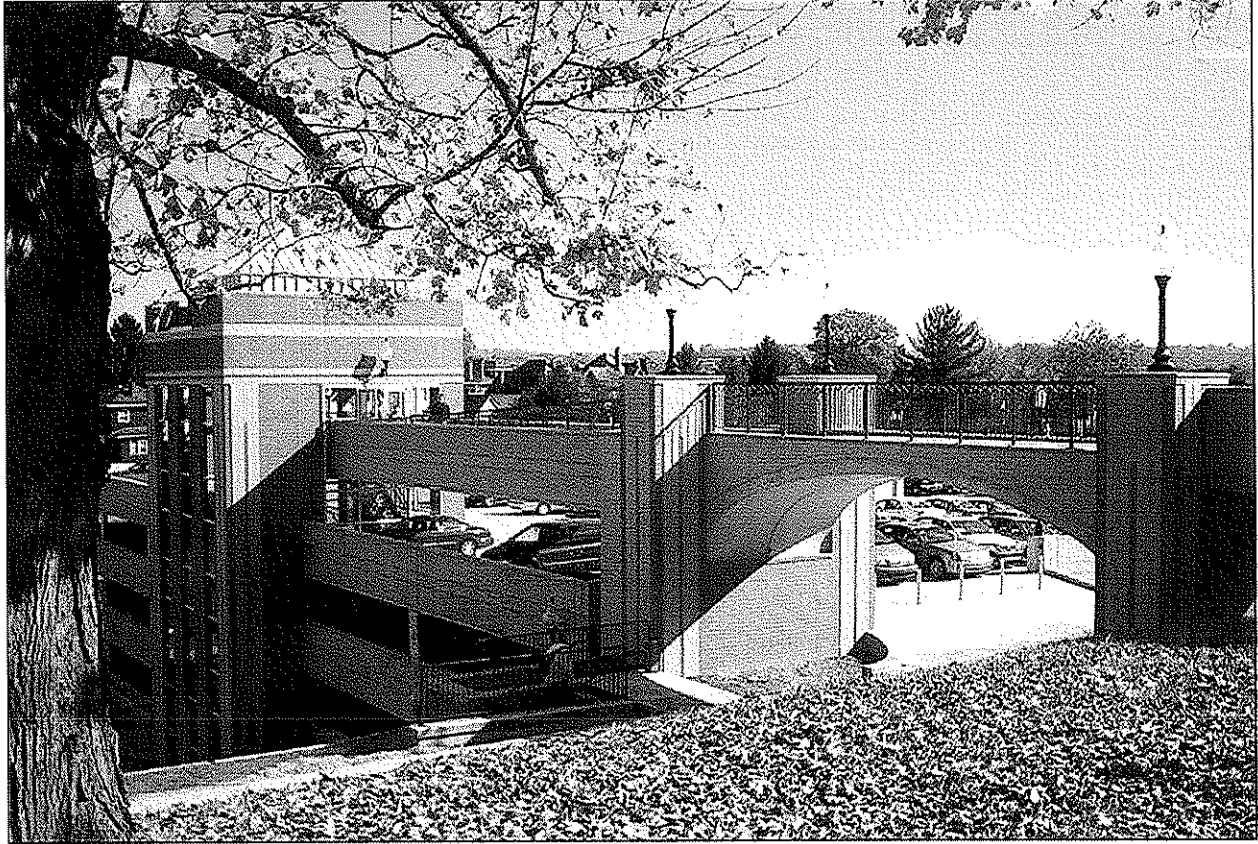
Contractor: The March-Westin Company





Fairmont State University Parking Facility

Fairmont, West Virginia



In order to meet the needs of a growing campus, this new parking facility provides 940 parking spaces and a connecting pedestrian bridge to the main campus. Unique site conditions include building over an abandoned coal mine, as well as a steeply sloping site that required retaining walls on multiple levels.

Owner: Fairmont State University

Design Architect: Paul A. Walker, AIA

Project Manager: David H. Snider, AIA

Project Architect: Grant T. Gramstad, AIA

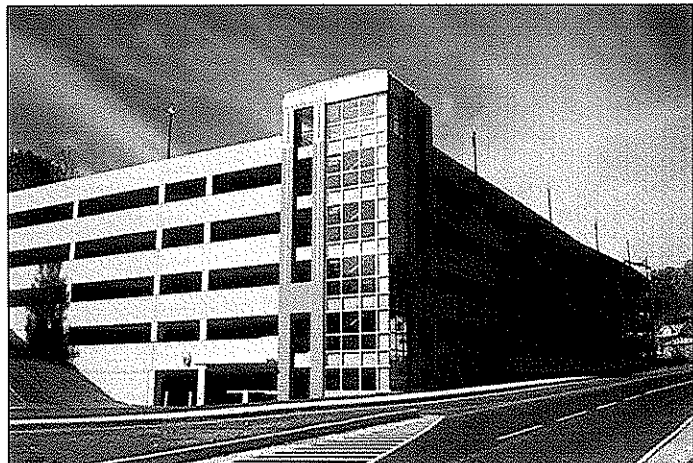
Completed: Summer 2004

Cost: \$10 Million

Size: 269,000 Square Feet

Delivery Type: Design-Build Negotiated

Contractor: The March-Westin Company





G. R. Manufacturing Addition

Trussville, Alabama



A 16,000 square foot pre-engineered metal building addition onto an existing 51,000 square foot industrial equipment manufacturing facility. In addition to the crane bay expansion, a new 2,700 square foot wash bay and a 1,200 square foot paint building addition were added.

Owner: Bill Fyfe

Project Architect: Grant T. Gramstad, AIA

Completed: Fall 2006

Cost: \$1 Million

Size: 19,900 Square Feet

Delivery Type: Design-Build-Negotiated

Contractor: Powers and Associates





A pre-engineered metal building with a 10,500 square foot footprint on approximately 3 acres near Carbon Hill, Alabama. The program consisted of two stories of offices at 3,000 square feet per floor and a 7,500 square foot one story warehouse. This facility was built to accommodate freight shipments being delivered and then picked up by crossing truck routes.

Owner: Birmingham Coca-Cola Bottling Co.

Project Architect: Grant T. Gramstad, AIA

Completed: Fall 2002

Cost: \$800,000

Size: 24,000 Square Feet

Delivery Type: Design-Build-Negotiated

Contractor: Powers and Associates



Glenmark Office Building

Morgantown, West Virginia



This three story office building houses the corporate headquarters of Glenmark Holdings, LLC. The building, located in a largely residential area, is designed to blend with the neighboring houses and uses stacked stone, lap siding, and gabled roofs to achieve this.

Owner: Glenmark Holdings, LLC

Design Architect: Paul A. Walker, AIA

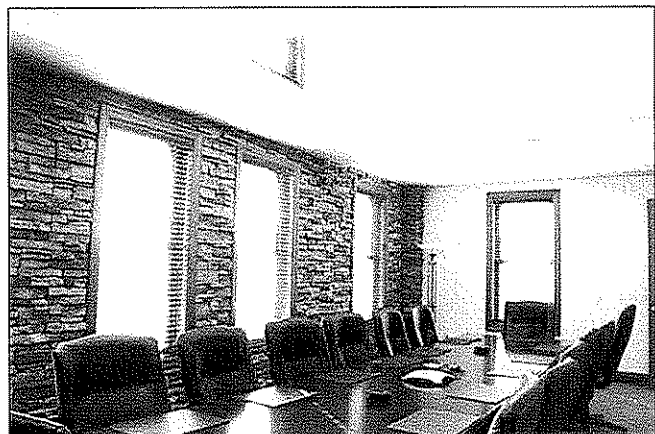
Completed: Spring 2009

Cost: \$1.6 Million

Size: 10,000 Square Feet

Delivery Type: Design-Build

Contractor: Lytle Construction Company





An eight story office building with retail / dining elements on the first level located along the rail trail in Morgantown's Wharf District. Situated between the Jackson Kelly Building and the Waterfront Parking Garage, Marina Tower is the sixth addition to the Waterfront Master Plan.

2008 Best New Construction Award from Main Street Morgantown

Owner: Platinum Properties, LLC

Design Architect: Paul A. Walker, AIA

Project Architect: Grant T. Gramstad, AIA

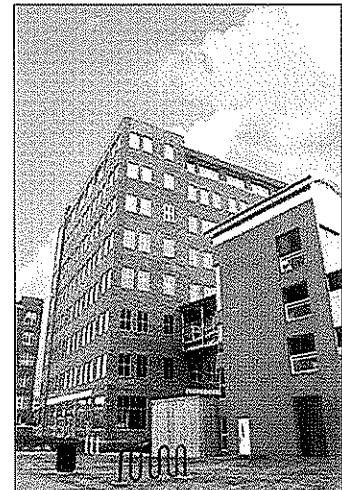
Completed: Winter 2008

Cost: \$10 Million (Shell)

Size: 90,000 Square Feet

Delivery Type: Design-Build-Negotiated

Contractor: The March-Westin Company





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

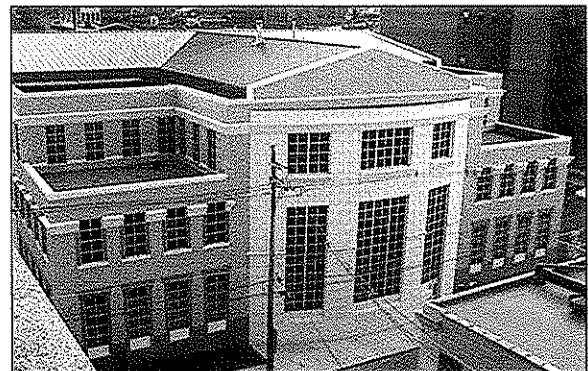
Completed: Summer 2001

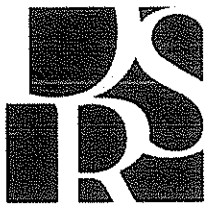
Cost: \$9 Million

Size: 65,000 Square Feet

Delivery Type: Design-Build Competition

Contractor: The March-Westin Company





ARCHITECTS

ARCHITECTURE, MASTER PLANNING AND INTERIOR DESIGN SERVICES

- Facilities Evaluation
- Site Analysis and Master Planning
- Facility Programming
- Feasibility Studies
- Functional Space Planning
- Architectural/Interior Design
- Cost Estimating
- Contract Documentation
- Construction Administration
- Post Occupancy Services



AREAS OF FOCUS

- Government
- Hospitality
- Higher Education
- Offices
- Laboratories
- Wellness/Fitness
- Interior Design
- Master Planning

DESIGN AWARDS

- DRS Architects is the recipient of over 50 design and technical awards
- Most recent award from 10,000 Friends of PA for the Power Center, a student recreation facility, at Duquesne University

DRS Architects, Inc.
One Gateway Center
Seventeenth Floor
Pittsburgh, PA 15222
Telephone 412.391.4850
Facsimile 412.391.4815
www.drsarchitects.com

FIRM PROFILE

As one of this region's leading architectural, planning and interior design firms, DRS Architects provides services based on the strong heritage set by Deeter Ritchey Sippel more than 50 years ago. DRS provides not only management of the design process, control of project costs and schedules, but also design excellence. Our clients are diversified through seven areas of focus. Twenty-six professionals and support staff are located in Pittsburgh's Gateway Center and lead by Principals S. Philip Hundley, AIA; Gregory P. Madej, AIA and Kathryn A. Jolley, ASID. Personnel include:

- Ten Registered Architects (Three LEED Accredited Professionals)
- Six Interior Designers (Four NCIDQ Certified) (Four LEED AP)
- Five Production Technicians
- Five Administrative

Over the last fifteen years, DRS has completed ten reserve centers/readiness centers with maintenance facilities for the U. S. Army Reserve and Pennsylvania National Guard. Most recent relevant projects include the \$19 M Stryker Brigade Readiness Center and Organization Maintenance Shop and the \$4 M Operational Maintenance Shop for the PA Army National Guard. DRS has a thorough knowledge and understanding of the design standards and technical manuals for this building type. DRS has also completed buildings for the FBI, DEA, and local municipal buildings including police departments. DRS has completed two major maintenance facilities for the Port Authority of Allegheny County. These include the renovations and additions to the Ross & West Mifflin Division Garage and renovations to the Collier Division Garage. DRS also completed two vehicle maintenance facilities for the U. S. Postal Service in Warrendale and the North Side of Pittsburgh. A privately owned maintenance facility was completed for the Mellon Family at Rolling Rock Farms in Laughlintown, Pennsylvania.

DRS has extensive experience in providing professional services to many Government Agencies. These include the City of Pittsburgh, County of Allegheny, Baltimore Corps of Engineers, Department of Energy, U. S. Postal Service, PA DGS, GSA, and VA. The Firm has consistently been ranked "above average" by these various Governmental Agencies.

DRS engages engineering consultants and other specialists for each individual project and fully integrates them into our Project Team for the entire design/construction process.

DRS is fully automated with multiple CADD systems including Microstation, Version 8XM and AutoCAD 2007 programs which are utilized for design, construction documents and facility planning. DRS is now using Revit as part of BIM (Building Information Modeling). We are fully networked and our project delivery is further enhanced by the use of the Internet for electronic construction document management.

For further information go to our website: www.drsarchitects.com



DRS approaches all of our projects with an eye toward environmental stewardship. Currently, seven of our architects and designers are LEED Accredited Professionals and we are actively encouraging others to become accredited. At the outset of the LEED process, we establish an open, collaborative process with our engineers and the entire project team to seek the best solutions that contribute to our client's long and short range sustainable or LEED certification goals.

The following are DRS Architect's projects that have received LEED or SPIRIT* certification or are designed for LEED certification.



Sample Receipt Facility

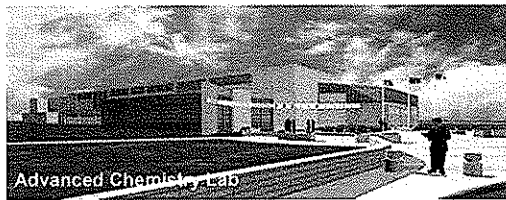


BNY Mellon—30 and 31st Floors—Pittsburgh, PA
LEED Gold Certification

Drug Enforcement Administration, Milwaukee, WI
Designed for LEED Certification



Drug Enforcement Administration, Pittsburgh, PA
LEED Certification



Advanced Chemistry Lab

DRS Office Renovations, Pittsburgh, PA
Designed for LEED Certification



Duquesne University, Power Center, Pittsburgh, PA
LEED Silver Certification

Market Square YMCA, Pittsburgh, PA
Designed for LEED Silver Certification

Centre Avenue YMCA, Pittsburgh, PA
Designed for LEED Silver Certification

Student Union, Slippery Rock University, Slippery Rock, PA
Designed for LEED Silver Certification

Expansion/Renovation of the Schools of Dental Medicine & Pharmacy, University of Pittsburgh, Pittsburgh, PA
Designed for LEED Certification

McCoskey Center, Slippery Rock University, Slippery Rock, PA
Designed for LEED Existing Building

Advanced Chemistry Lab, Aberdeen Proving Ground, MD
Bronze SPIRIT Certification

Sample Receipt Facility, Aberdeen Proving Ground, MD
Bronze SPIRIT Certification

PA DMVA Stryker Brigade Readiness Center, Cambridge Springs, PA
Bronze SPIRIT Certification

Duquesne University, Student Union, 1st Floor, Pittsburgh, PA
Designed for LEED Silver Certification

Starting Gate, Beaver, PA, Designed for LEED Certification

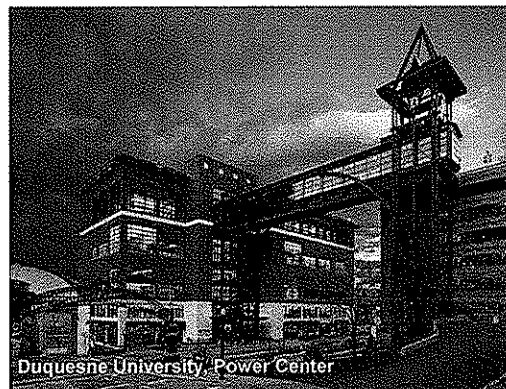
SSA Building, McKeesport, PA, Designed for LEED Silver Certification



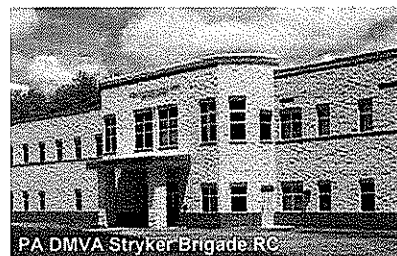
DEA Pittsburgh, PA



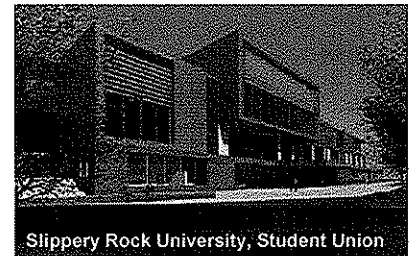
DRS Office Renovation



Duquesne University Power Center

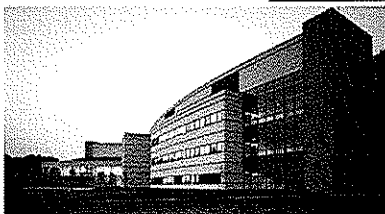
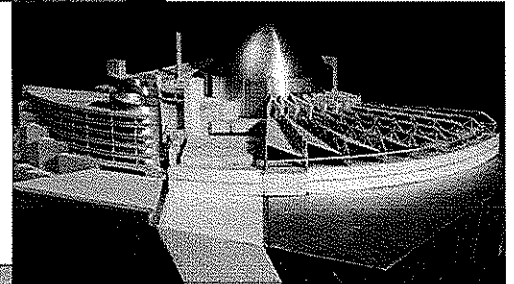
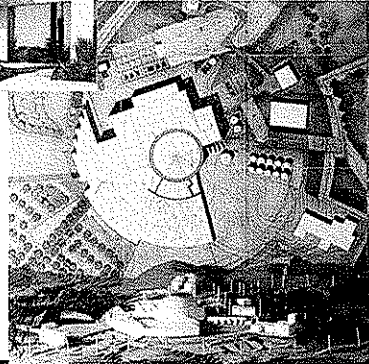
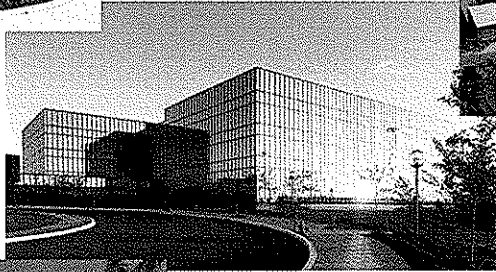
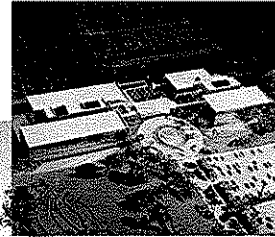


PA DMVA Stryker Brigade RC



Slippery Rock University Student Union

*The SPIRIT rating was developed by the Department of Defense prior to adopting LEED standards.





ARCHITECTS

DESIGN AWARDS

ASID PA West

Interior Design—Hospitality
Erie Sheraton Hotel

ASID PA West

Honorable Mention—Education
La Roche College Design & Graphic Communication

ASID PA West

Honorable Mention—Environmental Design
Duquesne University—Power Center

10,000 Friends of Pennsylvania

Bronze Design Award
Duquesne University—Power Center

Master Builders Association of Western Pennsylvania

Excellence in Craftsmanship Award
Cioppino Restaurant

Army Corps of Engineers

Project Development Team of the Year, Worldwide
Advanced Chemistry Lab, Aberdeen, Maryland

American Association of School Administrators/
American Institute of Architects/Council of Educational
Facility Planners International
Citation Award

Butler County Community College—Science, Technol-
ogy & Cultural Center

Nursing Homes Long Term Care Management/ Society
for the Advancement of Gerontological Environments
Design Award

Elmhurst, The House of Friendship

National Council on Seniors' Housing

Gold Seal Award
Elmhurst, The House of Friendship

Pittsburgh Chapter AIA

Design Award
West Mifflin Division Garage
Port Authority of Allegheny County

Pennsylvania Society of AIA

Open Plan Award,
Advanced Neutron Source
Martin Marietta Energy Systems, Inc. for
U. S. Department of Energy

The Victorian Wheeling Society Ltd. &

The Wheeling Civitan Club
Grand Victorian Design Award
Elmhurst, The House of Friendship

AIA, Tennessee Chapter

Design Award of Merit
High Temperature Materials Laboratory
Oak Ridge National Laboratory
Oak Ridge, Tennessee

National Laboratory of the Year

High Honor Award
High Temperature Materials Laboratory
Oak Ridge, Tennessee

Florida Association AIA

Excellence in Architecture
Pembroke Pines Branch
Landmark First National Bank

Pittsburgh Chapter AIA

Excellence in Architecture
Harmarville Rehabilitation Center

Pennsylvania Society AIA

First Honor Award
Science Hall
Carnegie Mellon University

Owens-Corning Fiberglas Corporation

National Energy Conservation Award
First Honor Award
Nuclear Center Office Building
Westinghouse Electric Corporation

Pennsylvania Society AIA

Distinguished Building Award
Hall of Engineering
University of Pittsburgh

Pennsylvania Society AIA

Distinguished Building Award
Three Rivers Stadium
Pittsburgh Stadium Authority

Pennsylvania Society AIA

Distinguished Building Award
Science Building, Seton Hill College

Pennsylvania Society AIA

Distinguished Building Award
Executive Offices
Aluminum Company of America

Pennsylvania Society AIA

Distinguished Building Award
University Health Center Garage
Pittsburgh Parking Authority

Pennsylvania Society AIA

Honor Award
Office Building, Allegheny Center

Pennsylvania Society AIA

Design Excellence Award
Harmarville Rehabilitation Center



ARCHITECTS

TECHNICAL AWARDS

AON Build America Award for the
Erie Sheraton Convention Center Hotel

Associated Builders & Contractors
of Western Pennsylvania, Excellence
in Construction Award for the
Ford City Armory

Masonry Institute of Connecticut
Excellence in Masonry Design
Marriott Trumbull Hotel
Trumbull, Connecticut

Masonry Institute of Western
Pennsylvania
Excellence in Masonry Design
John J. Kane Regional Center
Ross Township
Allegheny County, Pennsylvania

Masonry Institute of Western
Pennsylvania
Excellence in Masonry Design
Jefferson Center Hospitals
South Hills Health System

Masonry Institute of Western
Pennsylvania
Excellence in Masonry Design
Medical/Parking Complex
St. Francis General Hospital

Associated Subcontractors of Western
Pennsylvania
Architectural Firm of the Year Award

American Concrete Institute
Pittsburgh Chapter Award
Office Building
Davison Sand & Gravel Company

Construction Specifications Institute
Third Place Award
Allegheny Center Branch Office
Pittsburgh National Bank

Construction Specifications Institute
First Place Award
Three Rivers Stadium
Pittsburgh Stadium Authority

Construction Specifications Institute
Third Place Award
School of Practical Nursing
Allegheny General Hospital

Construction Specifications Institute
Second Place Award
Graduate School of Public Health
University of Pittsburgh

Construction Specifications Institute
Honorable Mention
Radiation Research Facility
University of Pittsburgh

Construction Specifications Institute
Honorable Mention
Office Building
Davison Sand & Gravel Company

Construction Specifications Institute
First Place Award
Alterations & Additions
Presbyterian-University Hospital

Electric League of Western Pennsylvania
First Place Award
Physical Education Building
University of Pittsburgh

Construction Specifications Institute
Third Place Award
Front Wing Addition
Presbyterian-University Hospital

American Institute of Steel Construction
Award of Excellence
Civic Auditorium
Pittsburgh Auditorium Authority



ARCHITECTS

S. PHILIP HUNDLEY, AIA

Principal

NAME OF FIRM

DRS Architects

PROJECT ASSIGNMENT

Project Designer

REGISTRATION

Pennsylvania, Ohio, West Virginia and seven other states

EDUCATION

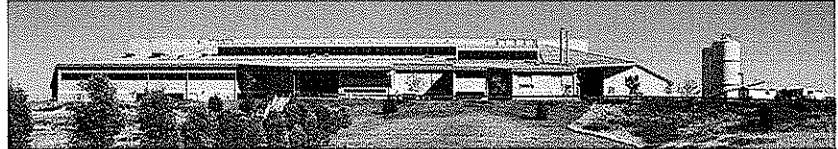
B. Architecture/1966/Architecture

PROFESSIONAL AFFILIATIONS

American Institute of Architects
Pennsylvania Society of Architects
Certified, National Council of Architectural
Registration Boards
Construction Specifications Institute
Councilman, Sewickley Heights
Historical Architectural Review Board,
Sewickley Heights
Planning Commission, Sewickley Heights
Western Pennsylvania Conservancy
National Historical Trust

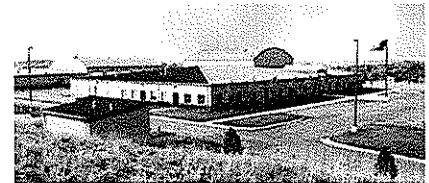
SPECIFIC EXPERIENCE AND QUALIFICATIONS RELEVANT TO THIS PROJECT

Mr. Hundley is a principal of DRS and has extensive experience as a Principal-In-Charge/Project Manager/Project Designer on a wide range of major commissions undertaken by the firm. These include major projects for the private sector, institutional, the Federal Government and corporations in his forty year career with the firm. During the last fifteen years, he has been responsible for the design of ten Reserve Center/Readiness Center/OMS/AMSA projects. In addition, Mr. Hundley has been involved in the site planning, programming and design of numerous administration/maintenance buildings. Projects for which Mr. Hundley has been responsible have received numerous awards for design and technical excellence. Some of Mr. Hundley's present and past experience includes:

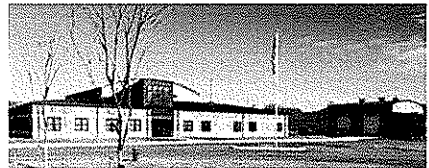


U. S. Army Reserve Aviation Facility, Johnstown, Pennsylvania—The \$22 M facilities include a training building and hangar facility. The Aviation Facility is comprised of administrative offices, maintenance shops, educational facilities, storage areas and five work bays. DRS was responsible for the site planning, design of all facilities, along with the interior design package.

Wheeling, West Virginia, USARC/OMS/AMSA—Responsible for the 30% Concept Design for the Wheeling, West Virginia, USARC/OMS/AMSA along with the RFP Package. The project was completed by the Design/Build Method. DRS assisted the BCOE through the final design and construction process. The facilities contain administration areas, along with educational facilities, assembly hall, unit and individual storage and OMS/AMSA. DRS was responsible for developing the 30% interior design package for this project.



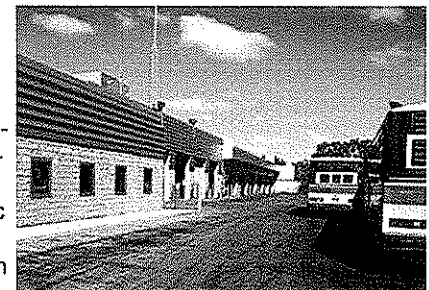
USAR Center/OMS, Grantsville, West Virginia—Completed the USAR Center/OMS and includes administrative spaces, educational facilities, unit and individual storage, assembly area, work bays and support space. DRS was also responsible for the site delineation study, engineering feasibility study and interior design package for this project.

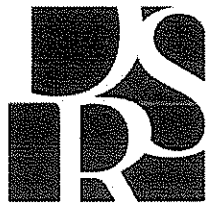


Three New USAR Centers/OMS, Morgantown, Elkins, Kingwood, West Virginia—The facilities include administrative spaces, educational facilities, unit and individual storage, assembly area, work bays and support spaces. DRS was responsible for designing the three USAR Centers/OMS' along with the interior design packages.



Renovations and Additions of 250,000 SF of space for the Ross and West Mifflin Bus Maintenance Garages for the Port Authority of Allegheny County in Pittsburgh, Pennsylvania. Facilities include 25 full service maintenance bays with hydraulic lifts, inspection pits, chassis wash, tire change area and body shops with paint booths. The project was phased to maintain operation during construction.





ARCHITECTS

GREGORY P. MADEJ, AIA

Principal

NAME OF FIRM

DRS Architects

PROJECT ASSIGNMENT

Quality Control

REGISTRATION

Pennsylvania, West Virginia and Ohio

EDUCATION

B. Architecture/1971/University of Notre Dame

PROFESSIONAL AFFILIATIONS

LEED Accredited Professional
American Institute of Architects
Pennsylvania Society of Architects
Certified, National Council of Architectural
Registration Boards
Past Board Member, Community College
of Allegheny County, Education Founda-
tion

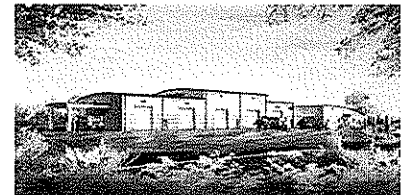
SPECIFIC EXPERIENCE AND QUALIFICATIONS RELEVANT TO THIS PROJECT

Mr. Madej has extensive has extensive experience in all areas of design and construction and has served as Project Manager/Quality Control and has been responsible for numerous projects in more than 30 years with DRS. His career has focused on governmental, educational and health-care facilities. In addition to his project responsibilities, Mr. Madej serves as a coordinator of the Firm's construction document standards. Some of his relevant experience includes:

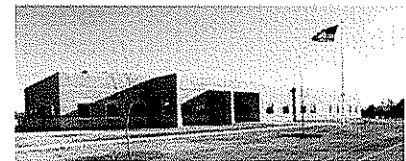


The new \$19M Stryker Combat Brigade Readiness Center & Organizational Maintenance Shop, Cambridge Springs, PA. The 65,000 SF Readiness Center supports 438 reservists 438 reservists includes locker rooms, unit storage, arms vault and administrative offices there is a medical clinic, fitness room, assembly hall, full service kitchen, classrooms, break areas and recruitment center. The 20,000 SF maintenance facility services the vehicles and equipment supported by this facility and includes six maintenance workbays two of which will be serviced by a 15-ton overhead crane. Other facilities include fuel storage and dispensing system, controlled waste handling facility plus administrative, personnel, storage and work areas.

The PAANG Organizational Maintenance Shop in Johnstown was designed to provide adequate organizational maintenance support for vehicles and equipment supported by this Shop. The facility consists of eight (8) maintenance workbays of which two (2) bays serviced by a 30-ton overhead crane, one (1) warm-up bay plus administrative, personnel and work areas.



24,000 SF Ford City, PA, Armory for the PA Army National Guard. The Armory includes common spaces, administrative spaces, educational facilities, assembly hall, food preparation area and maintenance training area.



Mr. Madej reviewed the construction documents for the renovations and additions of 250,000 SF of space for two Bus Maintenance Garages for the Port Authority of Allegheny County in Pittsburgh, Pennsylvania. Facilities include 25 full service maintenance bays with hydraulic lifts, inspection pits, chassis wash, tire change area and body shops with paint booths. The project was phased to maintain operation during construction.

Drug Enforcement Administration, Pittsburgh, PA—The project was completed via design/build method. The two-story, 48,000 SF DEA Building has 24,000 SF of office space on the upper floor with the ground floor serving as an entrance lobby and garage. The building obtained a LEED certification in 2007.





ARCHITECTS

SARINA BODNAR, AIA

Architect

NAME OF FIRM

DRS Architects

PROJECT ASSIGNMENT

Architect

REGISTRATION

Pennsylvania
Certified ADA Inspector

EDUCATION

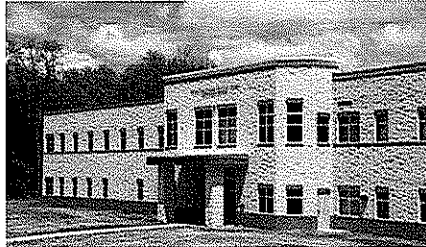
B. Architecture/1978/The Pennsylvania
State University

PROFESSIONAL AFFILIATIONS

American Institute of Architects
Pennsylvania Society of Architects

SPECIFIC EXPERIENCE AND QUALIFICATIONS RELEVANT TO THIS PROJECT

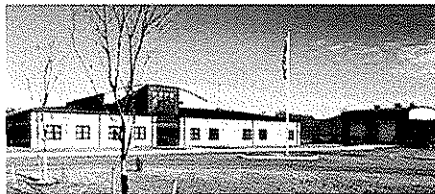
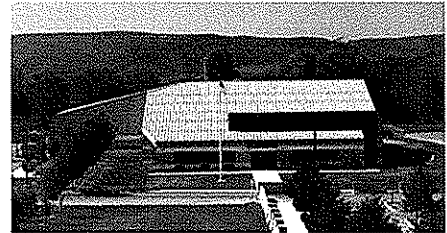
Ms. Bodnar has extensive experience in all facets of architecture and space planning, including the design and detailing of all types of structures. In addition to her project management capabilities, Ms. Bodnar has worked on the design of six reserve centers/readiness centers/OMS/AMSA. She has a thorough knowledge and understanding of the design standards and technical manuals for this building type. Relevant experience as Architect includes:



Project Architect for the \$19M Stryker Combat Brigade Readiness Center & Organizational Maintenance Shop in Cambridge Springs, PA. Both buildings total 85,000 SF and support 438 reservists. The project was completed via design/build method. Spaces include locker rooms, arms vault, administrative, medical clinic, full service kitchen, classrooms, assembly hall, recruitment center and the Maintenance shop contains six bays two of which are serviced by a 15-ton crane.

Project Architect for a \$4.69M Operational Maintenance Shop for the Pennsylvania Army National Guard at Johnstown, PA. The 23,000 SF Facility includes 8 maintenance bays, a wash platform, fuel storage and dispensing system, flammable storage building, controlled waste handling facility, personnel support areas, office areas and various equipment/storage areas.

Project Architect for the U. S. Army Reserve Aviation Facility at Johnstown, PA,. This \$22 M Facility houses the PAARNG and the U. S. Army Reserves. As Project Architect, she was responsible for the preparation of the construction documents for the 15,000 SF Training Building and the 92,784 SF Hangar Facility. She was responsible for coordinating the work of all of the engineering disciplines with the architectural design. She also reviewed the shop drawings on this project.



Responsible for the final design and construction documents for the 100-Member, \$4.5M Grantsville, West Virginia, USAR Center/Organization Maintenance Shop for the U.S. Army Reserve and BCOE. The OMS facility houses work bays, wash bays, shop of-

ice, tools/parts storage and flammable storage.



ARCHITECTS

**KATHRYN A. JOLLEY, ASID,
NCIDQ**

Principal

NAME OF FIRM
DRS Architects

PROJECT ASSIGNMENT
Space Planner/Interior Designer

REGISTRATION
National Council Interior Design Qualifications Certified, 1983

EDUCATION
Waynesburg College, MBA
Leadership, 2003
LaRoche College, B.S. Interior
Design, 1981

PROFESSIONAL AFFILIATIONS
La Roche College Interior Design
Advisory Board—Vice-President
La Roche College, Board of Trustees
American Society of Interior
Designers, Board Member
HEARTH Wine & Food Event
Committee Member, Green & Tee
Committee Member
Society for Marketing Professional
Services

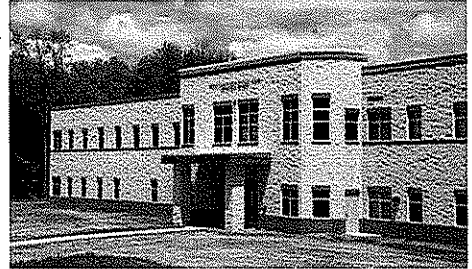
EXPERIENCE AND QUALIFICATIONS RELEVANT TO THIS PROJECT

Ms. Jolley supervises the space planning and interior design for DRS with responsibilities for communication and work flow analysis, concept design, design development, client presentations, preparation and supervision of final design documentation, furniture selection, specifications, colors boards, graphics and signage design.

Over the past twenty years, Ms. Jolley has developed interior design projects for government agencies, educational, corporate and healthcare clients as well as some interesting specialty projects. She is familiar with comprehensive interior design packages for reserve centers/readiness centers and has completed the interior design on four of these facilities. For other government agencies, Ms. Jolley provided office and conference solutions, color selections and furniture specifications for the administrative staff.

Other relevant project experience includes:

Stryker Combat Brigade Readiness Center & Organizational Maintenance Shop in Cambridge Springs, PA. Oversaw the finish selection and coordination of the \$19 M facility.



Duquesne University, Power Center, Pittsburgh, Pennsylvania. Oversaw the interior design for the \$30 million student recreation center. This project includes a high level of design detail expressed through color and construction both on the four recreation floors and at the top level President's Conference Center.



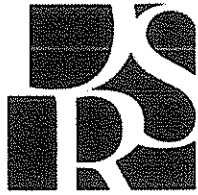
U. S. Army Reserve Center with Organizational Maintenance Shop, Grantsville, WV. Provided interior design for the \$4.5 M, 100-Member Facility. The Training Building contains full-time staff offices, unit exclusive offices, unit common space, retention office & administrative support; assembly areas include assembly hall, chairs/table storage, kitchen, arms vault & armorer; & educational facilities. The OMS contains shop office, tool/parts/battery storage and charging, flammable storage, hazardous storage and toilet.

U. S. Armed Forces Aviation Facility, Johnstown, PA. Directed the interior design services for this \$22 M project which includes a 96,000 SF Hangar Facility and a 15,000 SF Training Center. Ms. Jolley has also directed the interior design services for four additional reserve centers with organizational maintenance shops for the Army through the BCOE.



FBI Field Office, Pittsburgh, PA. Space Planner and Interior Designer for this 160,000 SF design-build \$15 M office building. This "Class A" office space provides flexible facilities in a four-story building and indoor parking for 170 cars.

Drug Enforcement Administration Office Building, Pittsburgh, PA. Oversaw the interior design for a \$5M office building for the DEA which included test layouts of furniture using DEA standards, selection of finishes for the interior spaces while providing special attention for finishes in the two elevator lobbies.



ARCHITECTS

**STRYKER COMBAT
BRIGADE
READINESS CENTER &
OMS
CAMBRIDGE SPRINGS, PA**

OWNER

Department of Military & Veterans Affairs

ROLE: DESIGN/BUILD ARCHITECT

Project Management
Site Planning
Architectural Design
Interior Design
Submissions

DESIGN/BUILD CONTRACTOR

Mascaro Construction Company

CONSTRUCTION COST

\$19,000,000

SQUARE FOOTAGE

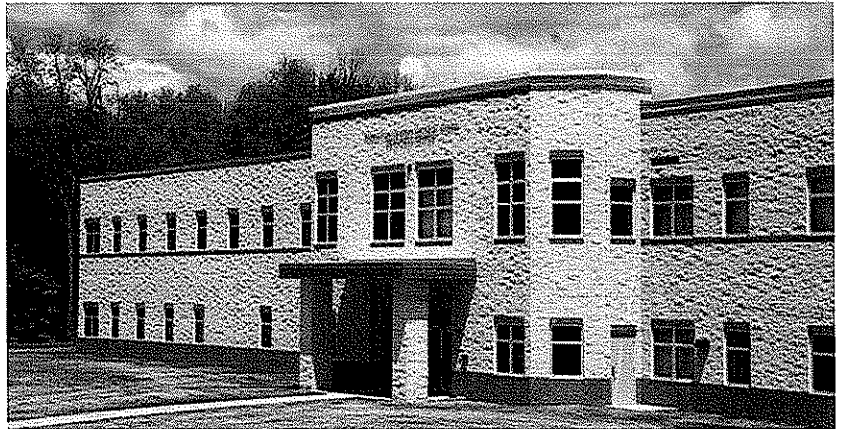
85,000 SF

COMPLETION

June, 2008

REFERENCE

Mark Austin, Director,
Bureau of Facilities and Engineering
Department of Military & Veterans Affairs
Fort Indiantown Gap, Pennsylvania
717-861-2915



The two-story, 65,000 SF, \$19 M Readiness Center is designed to support the consolidation of three units totaling 438 reservists. Each unit has dedicated locker rooms, unit storage, arms vault and administrative offices to permit independent operations. Facilities shared by the three units include a 2,200 SF medical clinic; a 1,200 SF fitness room, a 7,300 SF assembly hall with full service kitchen, 4 large classrooms, break areas, general administrative offices and a recruitment center. In addition, there are areas designated for specific functions. The building is designed to permit community access to the assembly hall and adjacent restrooms while locking out the remainder of the facility. The site development and building construction are appropriate to meet the Anti-Terrorism and Force Protection Level established for the facility.

The maintenance facility is 20,000 SF and designed to provide adequate field maintenance support for vehicles and equipment sup-



ported by this Facility. The facility consists of six (6) maintenance workbays of which two (2) bays are serviced by a 15-ton overhead crane, one (1) warm-up bay, one (1) welding bay plus administrative, personnel, storage and work areas. The six (6) workbays, each 32' x 74', are designed as drive through bays to accommodate the largest equipment supported by the facility. Supporting facilities include one (1) exterior wash rack, one (1) exterior fuel storage and dispensing system, controlled waste handling facility and a building for miscellaneous storage. Primary heating system for the workbays is an in-slab radiant piping system with hot water provided by two (2) gas-fired boilers which is supplemented by gas-fired radiant heaters at the overhead door. Utility services to each workbay include a carbon monoxide exhaust system, compressed air hose reel, overhead power reel and 220v power outlets.

Both buildings are constructed of a steel frame, concrete masonry walls with split face concrete masonry and face brick veneer and a SBS modified bitumen metal roofing system.

Parking for POV and military vehicles is provided.

The Readiness Center is designed to achieve a SPiRiT Bronze rating for energy and environmental design. The project was constructed with the Design/Build method of delivery.



ARCHITECTS

U.S. ARMY RESERVE CENTERS/OMS MORGANTOWN, ELKINS AND KINGWOOD, WEST VIRGINIA

OWNER

U.S. Army Reserve

ROLE

Project Management
Site Planning
Architectural Design
Interior Design
Coordination of Engineering Disciplines

CONSTRUCTION COST

\$12,000,000

SQUARE FOOTAGE

Varies

COMPLETION

1994-1996

REFERENCE

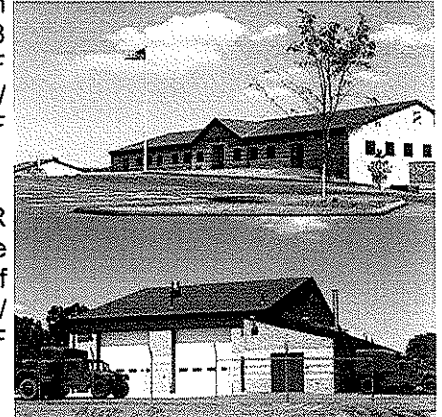
U.S. Army District, Baltimore
Corps of Engineers
P.O. Box 1715
Baltimore, MD 21203-1715
Liz Leigh, Project Manager
410-962-4387

DRS has prime responsibility for the design of three new USAR Centers with each having an Organizational Maintenance Shop in Morgantown, Elkins and Kingwood, West Virginia. All three facilities are constructed.

The 300-Member Morgantown USAR Center is located on an 8 acre site and contains 21,700 SF of space in the Administration/ Training Building and 5,500 SF in the four bay OMS building.

The 60-Member Elkins USAR Center is located on a 4.2 acre site and provides 12,000 SF of space in the Administration/ Training Building and 4,200 SF in the three bay OMS Building.

The 100-Member Kingwood USAR Center is located on a 4.8 acre site and provides 19,000 SF of space in the Administration/ Training Building and 5,000 SF in the four bay OMS Building with 600 SF of covered storage area.



The DRS Design Team was responsible for the site planning, space planning, facility design, all submission requirements, i.e., design analysis, LCCA, M-CACES, construction schedule, construction drawings and specifications, interior design and selection of furniture for all three of these Reserve Centers. In selecting the furniture, the Design Guide for U. S. Army Reserve Centers and Furniture Design Guide for U. S. Army Reserve Centers was used. All three projects were designed to meet ADA Compliance. This was the first group of USARC/OMS' undertaken by DRS.

All three facilities contain the following functional elements:

- Administrative Spaces - Full time staff offices; Unit exclusive offices; Unit common spaces; Retention.
- Educational - Classrooms; Learning Center; Library; Comsec Training.
- Storage Spaces - Unit and Individual Storage; Comsec Storage.
- Assembly Area and Support Spaces - Food Preparation; Arms Vault; Chair Storage.
- OMS Facility - Work Bays; Wash Bays; Shop Office; Battery Room; Parts & Tool Storage; Flammable Storage; Hazardous Storage.

Because of our performance on these projects , the Baltimore Corps of Engineers awarded DRS four other U. S. Army Reserve Center w/Organizational Maintenance Shop projects.



ARCHITECTS

**U.S. ARMY RESERVE
CENTER/OMS
GRANTSVILLE, WEST VIRGINIA**

OWNER

U.S. Army Reserve

ROLE

Master Plan
Project Management
Architectural Design
Interior Design
Coordination of Engineering Disciplines

CONSTRUCTION COST

\$4,500,000

SQUARE FOOTAGE

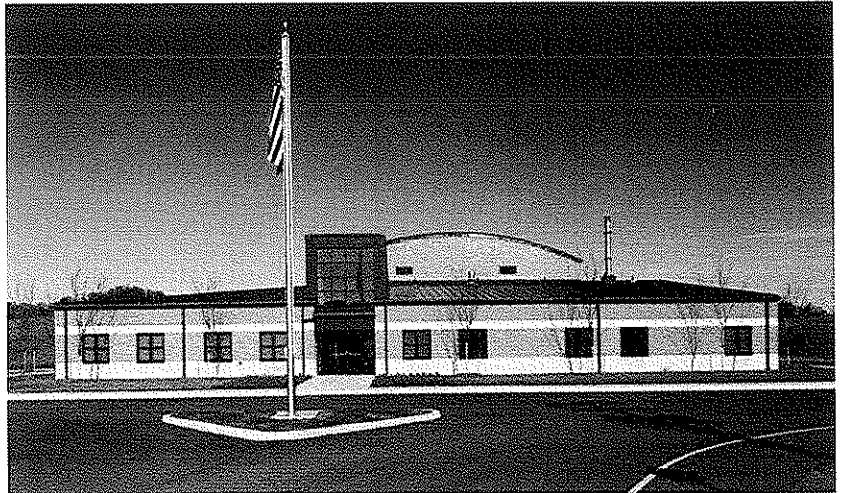
17,700 SF

COMPLETION

1998

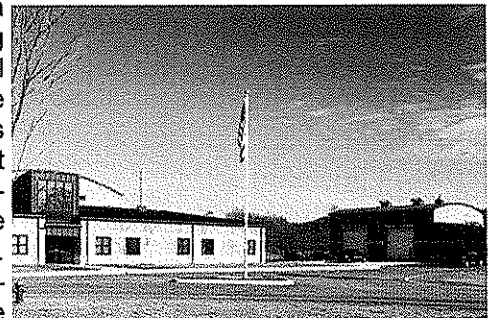
REFERENCE

U.S. Army Corps of Engineering
Baltimore District
P.O. Box 1715
Baltimore, MD 21203-1715
Elizabeth Leigh, Project Manager
410-962-4387



The DRS Design Team was responsible for architectural/engineering and interior design services. Site Delineation Study and Engineering Feasibility Study were required to determine the viability of the selected site.

The project consisted of a 15,300 SF Training Building and 2,400 SF Organizational Maintenance Shop. The Training Building contains full-time staff offices, unit exclusive offices, unit common space, retention office and administrative support. Assembly areas include assembly hall, chairs/table storage, kitchen, arms vault and armorer. Educational facilities include classrooms, library reading room, library storage, learning center, training aid storage, comsec training and comsec storage. Special training areas include weaponeer room and special projects classroom. Storage areas include unit and individual storage, staging area and supply offices. A completed interior design package was developed for this facility.



The OMS contains shop office, tool storage, parts storage, battery storage and charging, flammable storage, hazardous storage and toilet. The maintenance area consists of a double work bay and single wash bay.



ARCHITECTS

**OPERATIONAL MAINTENANCE SHOP
PA DEPARTMENT OF GENERAL SERVICES FOR PA
ARMY NATIONAL GUARD
JOHNSTOWN, PENNSYLVANIA**

OWNER

Army National Guard

ROLE

Project management
Architectural Design
Interior Design
Coordination of Engineering Disciplines

ESTIMATED CONSTRUCTION COST

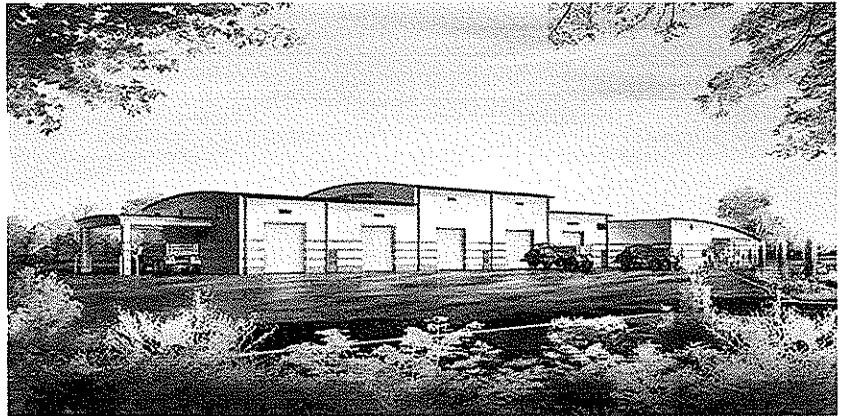
\$4,161,000

COMPLETION

January 2005

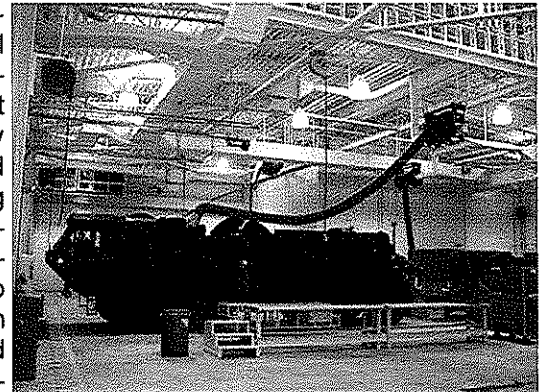
REFERENCE

Major Mark Austin
Pennsylvania Army National Guard
Department of Military Affairs
1129 Utility Road
Anville, PA 17003
(717)861-2915



The maintenance facility is designed to provide adequate organizational maintenance support for vehicles and equipment supported by this Shop. The facility consists of eight (8) maintenance workbays of which two (2) bays are serviced by a 30-ton overhead crane, one (1) warm-up bay plus administrative, personnel and work areas. The eight (8) workbays, each 32' x 74', are designed as drive through bays to accommodate the largest equipment system supported by the facility. Supporting facilities include one (1) exterior wash rack, one (1) exterior fuel storage and dispensing system, controlled waste handling facility, building for miscellaneous storage, military vehicle parking (74) and POV parking (31).

The building is constructed of a steel frame, concrete masonry walls with split faced concrete masonry veneer and a curved seamed metal roofing system. Primary heating system for the workbays will be an in-slab radiant piping system with hot water provided by two (2) gas-fired boilers. Utility services to



each workbay includes a carbon monoxide exhaust system, compressed air hose reel, overhead power reel and 220v power outlets.

The site configuration and physical constraints had a major impact upon building placement and orientation. The site contains 13.56 acres in an irregular configuration. A 6.15 acre portion of the site is within the runway protection zone of the adjacent airport and is unbuildable. The remaining 7.41 acres is bisected diagonally by an area of wetlands leaving approximately 5.00 acres for development.



ARCHITECTS

U.S. ARMY RESERVE AVIATION FACILITY JOHNSTOWN, PENNSYLVANIA

OWNER

U.S. Army Reserve

ROLE: PRIME

Master Plan
Project Management
Architectural Design
Interior Design
Coordination of Engineering Disciplines

CONSTRUCTION COST

\$22,000,000

SQUARE FOOTAGE

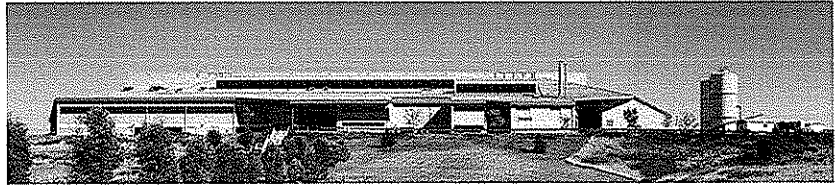
120,000 SF

COMPLETION

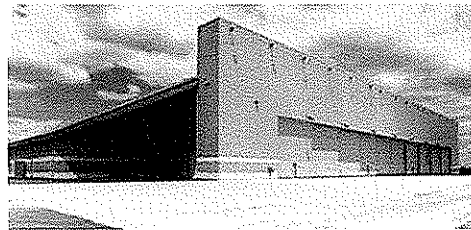
1997

REFERENCE

James K. Payne, NAB02
U. S. Army Corps of Engineers
Chief, Project Development,
Aberdeen Proving Ground-IPO
Building E-1356
Bush River & Scully Roads
Aberdeen Proving Ground, MD 21020
(410) 436-0526

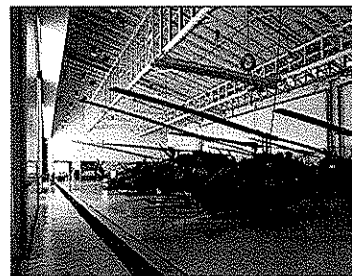


DRS had prime responsibility for the design of a new 120,000 SF U. S. Army Reserve Aviation Facility for both rotary and fixed wing aircraft located at the Johnstown-Cambria County Airport. The multi-building complex is located on a 80-acre site and construction was completed in the spring of 1997. It was determined that the Facility was to be shared by the U. S. Army Reserves and PAARNG.



Site development included the entrance roads, site utilities, parking lots, security fencing and landscaping. The scope of the work includes design of taxiways, hangar apron areas, parking for twenty-four AH-1's and four C-12's associated aircraft and taxiway lighting, aircraft signage and site storm drainage collection and retention.

Hangar floor area of 330 feet x 94 feet with a safety corridor around the perimeter is comprised of flexible work bays and a wash bay. Individually motorized operation sliding doors with door pockets at either side provide access to the Hangar. A 5-ton crane with a 40 foot span serves the entire length of the hangar. A foam water fire suppression system is provided along with a detention area.



Shop areas include hydraulics, air frames, sheet metal shop, rotor shop, engine shop, battery shop, material and maintenance control, corrosion control, arms vault, unit maintenance and GSE storage. Support spaces for the shop areas include parts storage, tool room, ordnance and extensive storage space.

Aircraft related spaces include avionics, navigation and flight planning, flight briefing room, officers ready room, safety and NATOPS, quality assurance and maintenance administration.

Administrative spaces include offices and common administration area, classrooms, legal, medical, computer work area and reserve facilities. Common spaces include lobby, break room, toilets and locker rooms.

The Reserve Center provides administrative areas, unit common space, assembly hall, classrooms, learning center, library, unit and individual storage and support space. A secured parking area is also provided for military equipment parking.

DRS provided the selection of furniture for 60,000 SF of office space for this project using GSA Furniture & Furnishings Procurement and UNICOR.



ARCHITECTS

**BASE CIVIL ENGINEERING BUILDING
911 AW/LGC
CORAOPOLIS, PA**

ROLE: PRIME

Project Management
Architectural Design
Interior Design
Coordination of all engineering disciplines

CONSTRUCTION COST

\$3,500,000

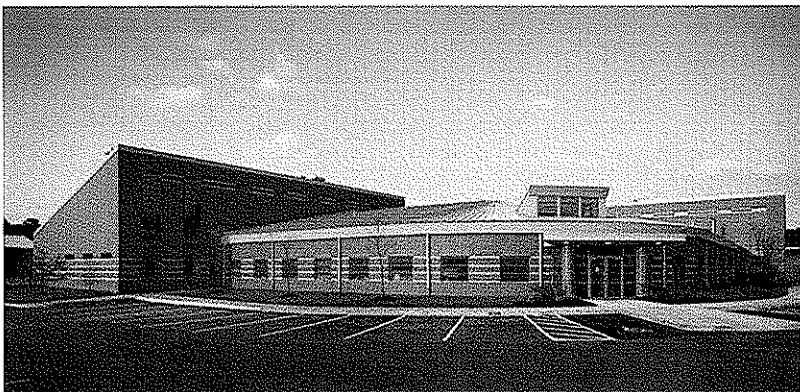
COMPLETED

1998

REFERENCE

U. S. Army District, Baltimore
Corps of Engineers
P. O. Box 1715
Baltimore, MD 21203-1715
Harvey Johnson, Project Manager
(410) 962-4447

SCOPE OF PROJECT



DRS provided design services for the new, 21,700 SF Base Civil Engineering Complex for the 911 Airlift Group at Pittsburgh International Airport. This facility provides administrative spaces, shops and storage area to support the permanent engineering staff and 150 reservists in maintaining the existing facilities on the Air Force Base. DRS was also responsible for finalizing the program, site planning, developing the space standards, facility design, all submission requirements, i.e, design analysis, LCCA, M-CACES, FIP, DD Form 1354, construction schedule, construction drawings and specifications and selection of the furniture as part of the Comprehensive Interior Design Package. Facilities include:

Administrative Functions - Offices, Engineering, Drafting Room with CADD, Print, Room/Reproduction, Civil Engineering Squadron Facilities, Classrooms, Conference Room and Support Facilities.



Shop Functions and Equipment - Plumbing, Sheet Metal and Welding Shop, HVAC and Liquid Fuels Shop, Electrical Shop, Battery Shop, Paint Shop, Locksmith, Carpentry Shop, Locker Rooms and Support Facilities.



Storage Functions - Civil Engineering Squadron Storage, Fire Extinguisher Shop and BCE Covered Storage Area.



ARCHITECTS

FORD CITY ARMORY FORD CITY, PENNSYLVANIA

OWNER

Pennsylvania Army National Guard

ROLE:

Project Management
Site Planning
Architectural Design
Interior Design
Review of Design/Build Contractors
Submissions

CONSTRUCTION COST

\$2.4 M

COMPLETION

1998

REFERENCE

PA Army National Guard
Annville, Pennsylvania
Major John Saufley, PE
(717) 861-8212



The DRS Design Team worked closely with the National Guard, the Department of Military Affairs and the Department of General Services in developing the design for the site and the armory. This process involved the evaluation of several alternatives which resulted in the most functional design solution for the National Guard Unit.

The \$2.4M armory was the first building constructed in the new Manor Township Business Park, located outside of Ford City. The site is 10 acres in size and provides area for future expansion of the facility. In addition to the armory, there is parking for privately owned vehicles which accommodates full time staff, reserves and visitors and a military vehicle parking area adjacent to the maintenance bay.

The armory is 24,400 SF and contains the following functional elements:

- Common Spaces - Lobby, Break Area, Toilets and Locker Rooms.
- Administrative Spaces - Recruiting Office, Full Time Staff Offices and office administration area.
- Educational Facilities - includes classrooms with folding partitions, library and learning center.
- Assembly Area and Support Spaces - Drill Hall, Unit Storage, Kitchen and Food Preparation Area, Table and Chair Storage, Facility Maintenance Storage, Arms Vault and Physical Fitness Area.
- Maintenance Training Area - includes a Work Bay, Flammable Storage and Control Waste.

The building is load bearing masonry walls with the exterior comprised of a combination of utility brick and split faced concrete masonry units and recessed masonry accent strips. The entrance to the armory is expressed by the use of a window wall. The other fenestrations are punched square openings. Glass block was used to emit natural light into the assembly area and the maintenance bay.



ARCHITECTS

U.S. ARMY RESERVE CENTER WITH OMS/AMSA DESIGN/BUILD PROJECT WHEELING, WEST VIRGINIA

OWNER:

U.S. Army District, Baltimore Corps of Engineers

ROLE : 30% CONCEPT DESIGN

- Project Management
- Site Planning
- Architectural Design
- Interior Design
- Review of Design/Build Contractors Submissions

CONSTRUCTION COST

\$10,197,000

SQUARE FOOTAGE

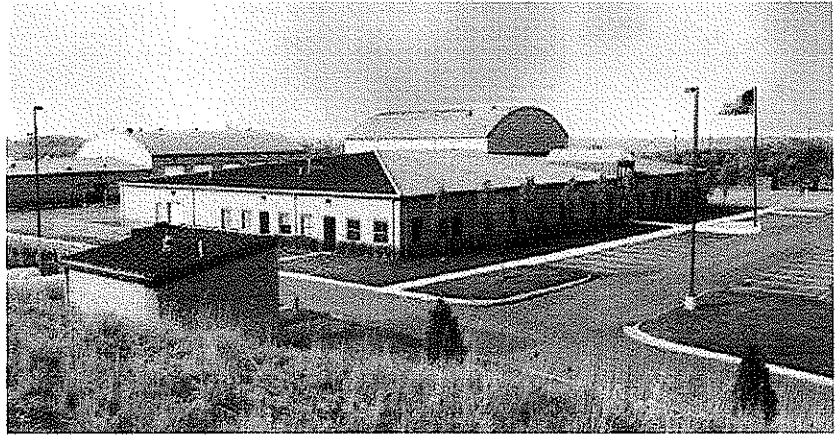
- 24,000 SF Training building
- 17,000 SF OMS/AMSA

COMPLETION

- 1994 Concept Design
- 1996 Construction

REFERENCE

James K. Payne, NAB02
 U. S. Army Corps of Engineers
 Chief, Project Development,
 Aberdeen Proving Ground-IPO
 Building E-1356
 Bush River & Scully Roads
 Aberdeen Proving Ground, MD 21020
 (410) 436-0526



The Army Reserves and the Corps of Engineers chose to complete this project by the Design/Build method based on the 30% Concept Design in order to expedite the schedule. The DRS Design Team working in conjunction with the BCOE also developed the RFP Package which primarily used Commercial Standards in lieu of COE requirements. Proposals were obtained from Design/Build Contractors and a contractor was selected. DRS was responsible for reviewing the Design/Build Contractor's submissions.

The project includes a 24,000 SF Training Building and 17,000 SF OMS/AMSA. The Training Building consists of full-time staff offices, unit exclusive offices, unit common space, retention office and administrative support. Assembly areas include assembly hall, chair/table storage, kitchen, arms vault and armorer. Educational facilities include classrooms, library reading room, library storage, learning center, training aid storage, comsec training and comsec storage. Special training areas include weaponeer room, medical section, soils testing lab and drafting room. Storage areas include unit and individual storage, staging and supply offices.



The OMS/AMSA contains an organizational maintenance shop consisting of shop office, tool storage, parts storage, battery storage and charging, flammable storage and a controlled waste storage. The area maintenance support activity (larger maintenance facility) consists of shop offices, toilets and locker rooms, classroom and break area, tool room, parts room, battery room, small arms repair shop, small arms vault, AMSA flammable storage and controlled waste storage. Joint areas of the OMS/AMSA include four double work bays with a 10-ton overhead crane and double wash bay.



ARCHITECTS

**ROSS & WEST MIFFLIN
DIVISION BUS GARAGE
RENOVATIONS &
ADDITION
PORT AUTHORITY OF
ALLEGHENY COUNTY
PITTSBURGH, PENNSYLVANIA**

OWNER

Port Authority of Allegheny County

ROLE

Project Management
Architectural Design
Interior Design
Construction Administration

COMPLETION

West Mifflin 1993
Ross 1998

CONSTRUCTION COST

\$22,000,000

REFERENCE

Port Authority of Allegheny County
345 Sixth Avenue
Third Floor
Pittsburgh, PA 15222
Jerry Maritzel, Project Manager
(412) 566-5159



Ross Division Garage

DRS was responsible for Architectural/Engineering Services for the renovations/additions of two bus garages for the Port Authority Transit of Allegheny County. The contract was with PAT; however, it was federally funded by the Department of Transportation.

Both garages contain a combined total of over 25 full-service maintenance bays with hydraulic lifts, inspection pits, chassis wash, tire changing areas and body shops with paint booths. In addition, there is an overhead crane located in the engine overhaul areas.

The paint booths at each garage are used for the painting of buses and large parts. The booth at the West Mifflin Garage is cross draft and prefabricated--18' wide x 70' long x 16' high. Two manlifts are provided inside the booths for the painting of high vertical surfaces and the roof. Several abrasive blast cabinets with dust collectors are also provided for the cleaning of parts prior to painting.



West Mifflin Division Garage

Service lanes for both garages include ten fueling islands and four bus wash lanes along with indoor parking to accommodate 550 buses. Additional spaces include administration areas, training rooms, driver areas, locker rooms, parts storage and tool box storage.

One of the key elements of the project was to develop a work-around plan which maintained the operation of the garage 24 hours a day without interruption of service during the construction.

Part of the scope of the work of the project was to also provide fuel and supporting lubricant tanks with a capacity to serve the fleet of buses which include:

- Diesel fuel storage and dispensing system which is monitored by a fuel management system.
- CNG dispensing system.
- Bulk oil, grease and liquid storage and dispensing systems.
- Waste oil disposal system.



ARCHITECTS

**COMMUNITY COLLEGE OF
BEAVER COUNTY
MAINTENANCE BUILDING
MONACA, PENNSYLVANIA**

OWNER

Community College of Beaver County

ROLE

Architectural
Construction Documents
Coordination of Engineering Consultants

CONTRACTOR

Trinity Contracting

CONSTRUCTION COST

\$1.6M

SQUARE FOOTAGE

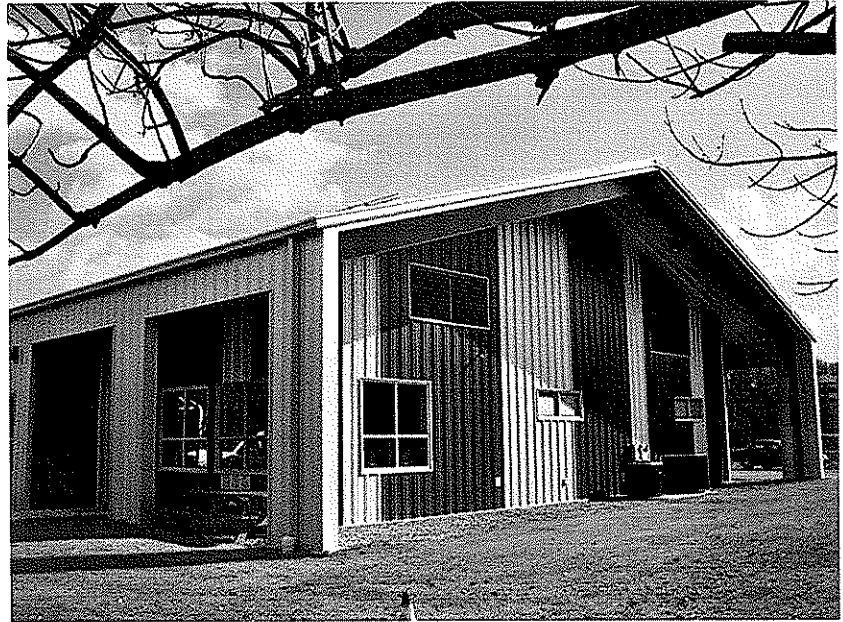
14,000 SF

COMPLETION

January, 2008

REFERENCE

Mr. Stephen Danik
Vice President/Finance & Operations
Community College of Beaver County
One Campus Drive
Monaca, PA 15061
724-480-3356



DRS Architects completed a Master Plan for the college campus in 2006. Soon after the Master Plan was complete, DRS was selected to implement the plan. All of the buildings on campus are being renovated. After reviewing all options, it was determined that a new Maintenance Building was needed.

The building was a pre-engineered modified structure. DRS added masonry walls to the facility in the bay areas to better manage the hard wear and tear on the building. There are 6 vehicle bays for the maintenance vehicles. Next to the bays is the maintenance shop, which includes a welding area, and wood and metal shop. On the other side is the office space, locker room and kitchenette for the maintenance personnel.



A mezzanine level is used to house the heat recovery mechanic system. There is also storage space available on the mezzanine level which is made flexible with removable hand rails.

Finally, there is a receiving dock, temporary storage area and additional permanent storage areas. This new facility has dramatically improved the ability of CCBC Maintenance to manage the campus.

KCI Technologies, Inc.

As one of the nation's leading multi-discipline, full-service engineering firms, KCI Technologies, Inc. (KCI) is consistently ranked among the top 100 consulting engineering firms in the country by Engineering News Record.

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. We also provide cultural and environmental resource management services, land planning and landscape architecture, geology, hydrology, ecology, surveying, and construction management and inspection.

The professional staff is supported by CADD (Computer-Aided Drafting and Design) designers, BIM (Building Information Modeling) designers, GIS (Geographic Information Systems) experts, and database analysts, programmers, and technicians; as well as state-of-the-art computer, field, and lab equipment. KCI's computer network supports the firm's core production systems, including BIM, CADD, GIS, three-dimensional visualization/animation tools, document processing and desktop publishing, and project management. The firm's integrated approach to automating design, drafting, documentation, and presentation minimizes costs, facilitates coordination among engineering disciplines, and expedites the production of high-quality products.

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.

History

KCI 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. In August, 1987, Hanson Trust, PLC, of Great Britain (a manufacturing company with diversified holdings, worldwide) purchased Kidde, Inc. In 1988, an employee buyout was completed, creating Maryland's largest employee-owned company. The firm officially changed its name to KCI Technologies, Inc., in 1991 and relocated its headquarters to Hunt Valley, Maryland in 1993.

Location

KCI has been working throughout the state of West Virginia for more than 10 years and is familiar with conditions and infrastructure of West Virginia. Our local office has a wide range of experience working with various state agencies, as well as private developers and contractors. Our backgrounds range from WVDOH to USDA Rural Development. We have engineers who understand and advocate for the needs of rural communities and public service districts. KCI has the knowledge to aid our clients in all aspects of this project including but not limited to preliminary study, preliminary design, funding assistance, final design, bidding services, construction administration, construction inspection, or any other service needed to complete these types of projects.

Quality Assurance

As part of our strategic plan, KCI is committed to achieving corporate wide ISO 9001:2000 certification. KCI's Northeast Region was certified to ISO 9001:2000 in September 2005 and re-certified in October 2008. The Mid-Atlantic Region achieved certification in December 2008. The Southeast Region will complete their certification process in 2010.

Our primary quality objectives are to:

- Satisfy client expectations through designs and professional services that conform to client specifications;
- Continually review company performance by analyzing objective data regarding both our processes and deliverables; and
- Use this objective data to identify and drive opportunities to continuously improve the Quality Management System.

ISO is a quality management system (QMS) standard requiring that company activities be modeled as a system of inter-related processes and that these processes be continually audited in order to objectively measure performance and improve outcomes. A key component of the ISO standard that differentiates it from others systems is the mandatory continual auditing and improvement requirement. Quality control procedures for the work performed in each of KCI's technical disciplines are defined in each discipline's quality control manual. Conformance to these procedures is ensured through KCI's internal auditing process.

Robert Milne, PE
Project Manager

Education

MS / Civil Engineering
BS / Civil Engineering

Leadership

Foundation of Leadership /
National Leadership Institute /
September 2008

Leadership/Monongalia
County, WV / Class of 2009

Registration

PE / WV / 014177
Also PE in PA

Total Years with KCI: 8

Total Years of Experience: 20

Mr. Milne is the Land Development Practice Regional Practice Leader for KCI's Northeast Region. Mr. Milne is also responsible for the daily operation, supervision of staff, and management of large projects in the Morgantown West Virginia Office. Mr. Milne is 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:

Harpers Ferry National Park Historic Train Station, Harpers Ferry, WV. Project Manager. KCI was subcontracted 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.

Bluegrass Army Depot, Richmond, KY. Project Manager. KCI was a sub-consultant to Atlantic Design Group, for a design-build Medical Facilities Renewal Contract with the U.S. Army Corps of Engineers to provide site infrastructure design and construction services for the Bluegrass Army Depot, Richmond, KY. The objective of the design-build contract was to prepare two Access Control Points (ACP's) at the Depot for installation of the U.S. Army's Automated Installation Entry (AIE) System. Mr. Milne was responsible for the development of the traffic survey during Phase I, site investigation. Mr. Milne was also responsible for the development of the base mapping for the Phase II work plan, and administration and completion of the contract documents for the Phase II electrical engineering work plan.

Fort Leavenworth AIE, Leavenworth, KS. Project Manager. KCI was the prime sub-consultant to Linc Government Services, for a design-build Facility Repair and Renewal (FFR) Contract with the U.S. Army Corps of Engineers to provide site infrastructure design and construction services to Fort Leavenworth, Leavenworth KS. The objective of the FFR contract was to prepare three Access Control Points (ACPs) at Fort Leavenworth for installation of the U.S. Army's Automated Installation Entry (AIE) System. Mr. Milne was responsible for the development of the traffic study, site investigations at all three ACPs, and the preparation of the Site Investigation Report. Mr. Milne was responsible the development of the project budget, coordination of sub-consultants, and acted as the primary point-of-contact for client. Mr. Milne was responsible for the overall completion of the Phase II Work Plan.

Northside Fire Station, Morgantown, WV. Project Manager. KCI was a subconsultant for the Northside Fire Station for the City of Morgantown. KCI was responsible for overall site design, access roads, utility lines, sidewalks, drainage, stormwater quality and retention, grading plans, erosion and sedimentation control plans, and the site/civil permitting.

USDA Building Design/Build, Sabraton, WV. Division Chief/Quality Assurance/Quality Control. KCI was a subconsultant to Paradigm Architecture for the USDA Building located in the Sabraton Area of Morgantown. KCI provided site/civil engineering and landscape architecture design services for this design/build project. This project is pursuing LEED certification.

John Rudmann, PE, RLA, LEED AP

Quality Assurance/Quality Control

Education

BS / Civil Engineering
BS / Landscape Architecture

Registration

PE / WV / 14779
Also PE in MD, PA
PLA / WV / 341
Also RLA in MD, OH, PA
LEED AP

Total Years with KCI: 3

Total Years of Experience: 15

Mr. Rudmann is a licensed civil engineer, a licensed landscape architect, and a LEED Accredited Professional. His responsibilities have included being a Project Manager, a Senior Civil Engineer, and a Senior Landscape Architect for many site design projects. As a designer his design tasks have included site master planning, stormwater design, utility design, grading, access road design, erosion and sediment control design, pedestrian plaza design, site permitting, golf course design, and completing project specifications. He has designed several different methods of bio-filtration and has completed all the necessary credit paper work to achieve LEED Certification. Relevant project experience includes:

New Northside Fire Station, Morgantown, WV. Senior Design Engineer. KCI was a subconsultant for the new Northside Fire Station for the City of Morgantown. KCI was responsible for overall site design, access roads, utility lines, sidewalks, drainage, stormwater quality and retention, grading plans, erosion and sedimentation control plans, and the site/civil permitting. Mr. Rudmann was responsible for the overall design of all site/civil services, utilizing cost-efficient design principles to keep the project under budget, while still meeting strict environmental standards. Mr. Rudmann completed the necessary LEED submittal paperwork for sustainable site and water efficiency credits. This building has been LEED Certified.

USDA Building Design/Build, Sabraton, WV. Project Manager. KCI was a subconsultant to Paradigm Architecture for the USDA Building located in the Sabraton Area of Morgantown. KCI provided site/civil engineering and landscape architecture design services for this design/build project. This project is pursuing LEED certification. Mr. Rudmann was responsible for the overall design of all site/civil services which included site design, access roads, utility lines, sidewalks, drainage, stormwater quality and retention, grading plans, erosion and sedimentation control plans, and the permitting. Most of the stormwater filtration was achieved through the use of bio-filtration cells within the parking lot areas and swales located closer to the building. Mr. Rudmann also completed all the necessary LEED submittal paperwork for sustainable site and water efficiency credits. This building has been certified Silver.

Event Center and Garage, Morgantown, WV. Senior Design Engineer. KCI is a subconsultant to Paradigm Architecture for the new Morgantown Event Center and Parking Garage, located in the Wharf District of Morgantown, WV. KCI is providing site/civil engineering and landscape architecture services for this design-build project. Mr. Rudmann was responsible for the overall design of all site/civil services, which included access roads and parking lot, utility lines, sidewalks, drainage, stormwater retention, grading plans, landscaping, erosion and sedimentation control, permitting, and project specifications. Mr. Rudmann incorporated as many practical LEED elements as possible to provide energy and cost efficient design.

The View II at the Park, Morgantown, WV. Senior Design Engineer. KCI was a subconsultant to Paradigm Architecture for the 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 houses Morgantown Area Chamber of Commerce on the first floor, with residential condominiums on the upper floors. Mr. Rudmann was responsible for the overall design of all site/civil services which included maintenance of traffic control, utility lines, sidewalks, drainage, storm water retention, grading plans, erosion and sedimentation control plans, all the site/civil permitting, and the project specifications.

Michael Pumphrey, PE
Civil Engineering Task Manager

Education

MS / Civil Engineering
BS / Civil and Environmental
Engineering

Registration

PE / WV / 16006
Also PE in PA

Total Years with KCI: 1

Total Years of Experience: 11

Mr. Pumphrey is a senior civil engineer at KCI. He has experience in highway design, site/civil design, sidewalk design, stormwater management, utility design and coordination, street and highway temporary traffic control design, pavement design and preventive maintenance, construction inspection and administration, and right-of-way coordination. Serving as both a project manager and project engineer, Mr. Pumphrey has experience in supervising design teams, project management and scheduling, preparing and reviewing contract documents and plans, and client communication/interaction. Relevant project experience includes:

Fort Leavenworth AIE, Leavenworth, KS. Civil Engineering Task Manager. KCI, was the prime sub-consultant to Linc Government Services, for a design-build Facility Repair and Renewal (FFR) Contract with the U.S. Army Corps of Engineers to provide site infrastructure design and construction services to Fort Leavenworth, Leavenworth KS. The objective of the FFR contract was to prepare three Access Control Points (ACPs) at Fort Leavenworth for installation of the U.S. Army's Automated Installation Entry (AIE) System. Mr. Pumphrey served as the Task Manager and lead civil engineer for the development of the Phase II work plan documents for the AIE project at Fort Leavenworth. Mr. Pumphrey was responsible for the design and development of the new ID check areas at the Hancock Gate, Grant Avenue Gate, and Sherman Gate. Mr. Pumphrey was responsible for the coordination of the ID check areas with the architectural and electrical disciplines as well as reviewing the analysis of the existing Active Vehicle Barriers (AVB) placed at the Grant and Sherman gates. Mr. Pumphrey was responsible for the development of the new ACP signage at the gates as well as the design of the overwatch pads at both Grant and Sherman gates.

Fort Meade AIE, Fort Meade, MD. Civil Engineering Task Manager. KCI was the prime sub-consultant to Linc Government Services, for a design-build Facility Repair and Renewal (FFR) Contract with the U.S. Army Corps of Engineers to provide site infrastructure design and construction services to Fort Meade, MD. The objective of the FFR contract was to prepare five Access Control Points (ACPs) at Fort Meade for installation of the U.S. Army's Automated Installation Entry (AIE) System. Mr. Pumphrey served as the Task Manager and lead civil engineer for the development of the Phase II work plan documents for the AIE project at Fort Meade. Mr. Pumphrey was responsible for the design and development of the ID check areas at Gate 1, Mapes and 32, Gate 2, Mapes and 175, Gate 3, Rockenbach and 175, Gate 6, Llewellyn & 175, and Gate 7, Main Gate (Reese Road). Mr. Pumphrey was responsible for the coordination of the ID check areas with the architectural and electrical disciplines. Initially responsible for the design and analysis of Active Vehicle Barriers (AVB's) at all five gates. During the design process and as a direct result of Mr. Pumphrey's analysis, AVB's were eliminated at all but Gate 7.

New Northside Fire Station, Morgantown, WV. Construction Manager. KCI was a subconsultant for the new Northside Fire Station for the City of Morgantown. KCI was responsible for overall site design, access roads, utility lines, sidewalks, drainage, stormwater quality and retention, grading plans, erosion and sedimentation control plans, and the site/civil permitting. Mr. Pumphrey was responsible for responding to contractor RFIs, construction shop drawing review, and onsite contractor coordination meetings.

Event Center and Garage, Morgantown, WV. Project Engineer. KCI is a subconsultant to Paradigm Architecture for the new Morgantown Event Center and Parking Garage, located in the Wharf District of Morgantown, WV. KCI is providing site/civil engineering and landscape architecture services for this design-build project. Mr. Pumphrey assisted with stormwater management plan development, grading plans, parking lot layout, and pavement marking and signing plan development.

John Pitman
Designer

Education

BS / Civil Engineering

Registration

EIT / WV / 7805

Total Years with KCI: 11

Total Years of Experience: 12

Mr. Pitman is a site/civil designer in KCI's Morgantown, West Virginia office. His tasks include the development of existing conditions, demolition, erosion and sediment control, site, grading, and utility plans along with creating detail sheets for site specific elements. Mr. Pitman is also an experienced highway designer with a background in the preparation of roadway construction, right-of-way, and sign and pavement marking plans. Other responsibilities include performance of field surveys and construction stakeouts, traffic studies, storm water and sanitary sewer design, and cost estimation. Relevant project experience includes:

Bluegrass Army Depot, Richmond, KY. Designer. KCI, in partnership with Atlantic Design Group and Linc Government Services, is currently working for the U.S. Army Corps of Engineers under a design-build Medical Facilities Renewal Contract to provide site infrastructure design and construction services to the Bluegrass Army Depot. The objective of the design-build contract is to prepare two Access Control Points (ACP's) at the Depot for installation of the U.S. Army Automated Installation Entry (AIE) System. Mr. Pitman was responsible for collecting traffic data via automatic traffic recorders, and performing manual turning movement counts. Also assisted in field surveys.

Fort Leavenworth AIE, Leavenworth, KS. Designer. KCI is currently working for the U.S. Army Corps of Engineers under a design-build Facility Repair and Renewal (FFR) Contract to provide site infrastructure design and construction services to Fort Leavenworth. The objective of the FFR contract is to prepare three Access Control Points (ACPs) at Fort Leavenworth for installation of the U.S. Army Automated Installation Entry (AIE) System. Mr. Pitman was responsible for collecting traffic queue data at ID check points, installing automatic traffic recorders at project site, and creating existing conditions, demolition and proposed site/civil plans for the schematic design phase of the project. Also worked on overall presentation and drafting of electrical plans for the final design phase

New Northside Fire Station, Morgantown, WV. Designer. KCI was a subconsultant for the new Northside Fire Station for the City of Morgantown. KCI was responsible for overall site design, access roads, utility lines, sidewalks, drainage, stormwater quality and retention, grading plans, erosion and sedimentation control plans, and the site/civil permitting. Mr. Pitman was responsible for plan presentation for final design, consisting of parking lot and bio-cell grading, and the development of erosion and sediment control, site, utility, and sign fabrication details.

Event Center and Garage, Morgantown, WV. Designer. KCI is a subconsultant to Paradigm Architecture for the new Morgantown Event Center and Parking Garage, located in the Wharf District of Morgantown, WV. KCI is providing site/civil engineering and landscape architecture services for this design-build project. Mr. Pitman's responsibilities included plan presentation for final construction documents, overall grading, and assisting on the development of erosion and sedimentation control, site, landscape, and utility plans. Also created roadway profiles, cross sections, project specific details, and checked vehicular turning movements throughout the project site using the Autoturn software.

The Dayton, Morgantown, WV. Designer. KCI was a subconsultant to Paradigm Architecture for the Dayton. KCI was responsible for overall site/civil design, water lines, sanitary sewer, general utility coordination, site/civil permitting, and erosion and sediment control. Mr. Pitman's tasks included plan presentation for final construction documents, site grading, creating details and drainage system design.

Allen Paugh, PLS
Survey Party Chief

Education

AA / Survey Technology
AA / General Studies

Registration

LS / WV / 917
Also LS in MD

Total Years with KCI: 24

Total Years of Experience: 32

Mr. Paugh is Chief of Surveys with KCI's Site Engineering and Surveys Group. He organizes and coordinates the work of personnel engaged in surveying, checks the accuracy of the work, and estimates field survey costs. Mr. Paugh is skilled in the preparation of large topographic and boundary surveys, and computations for GPS surveys. Relevant project experience includes:

New Northside Fire Station, Morgantown, WV. Party Chief. KCI was a subconsultant for the new Northside Fire Station for the City of Morgantown. KCI was responsible for overall site design, access roads, utility lines, sidewalks, drainage, stormwater quality and retention, grading plans, erosion and sedimentation control plans, and the site/civil permitting. Mr. Paugh conducted surveys and provided oversight of all survey crews assigned to the site.

Abingdon Maintenance Facility, Abingdon, MD. Party Chief. KCI provided various engineering services for a new 7,450 SF single story office building with an attached 8,320 SF garage, recycling area, a flat yard, asphalt parking areas, and a stormwater management pond. Mr. Paugh conducted surveys and provided oversight of all survey crews assigned to the site.

Glen Burnie Maintenance Facility, Glen Burnie, MD. Party Chief. KCI, as subconsultant to an architect, provided mechanical, electrical, civil, and structural, environmental, and geotechnical engineering for the renovation and upgrading of several buildings as part of the Glen Burnie Complex site. The project involves renovation of the complex facilities for wastewater north operations, limited technical support, as well as miscellaneous spaces. Mr. Paugh conducted surveys and provided oversight of all survey crews assigned to the site.

Military Ocean Terminal Sunny Point Survey Services, Sunny Point, NC. Surveyor. KCI Technologies, in partnership with Atlantic Design Group and Linc Government Services LLC, is currently working for the U.S. Army Corps of Engineers under a design-build Medical Facilities Renewal Contract to provide site infrastructure design and construction services to the Military Ocean Terminal Sunny Point (MOTSU) facility. The objective of the design-build contract is to prepare two Access Control Points (ACP's) at the MOTSU facility for installation of the U.S. Army Automated Installation Entry (AIE) System. The design-build team will design and construct the infrastructure required to accept the AIE equipment that will be installed under a separate, future contract. Mr. Paugh and the KCI survey team completed a field survey at each ACP and developed the base mapping for the construction work plan in accordance with U.S. Army design standards.

Downtown Student Housing, Morgantown, WV. Party Chief. KCI was a subconsultant to Paradigm Architecture for the New Honors Dormitory located on West Virginia University's downtown campus. KCI was responsible for overall site design, plaza, utility lines, sidewalks, drainage, storm water quality and retention, grading plans, erosion and sedimentation control plans, and the site/civil permitting. 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. Mr. Paugh conducted surveys and provided oversight of all survey crews assigned to the site.

Joseph Allegra, PLS
Surveyor

Education

Coursework / Survey
Technology
Coursework / Mathematics &
Computer Science
BA / History and Mathematics

Registration

LS / VA / 2262
Also LS in PA and DC

Total Years with KCI: 4

Total Years of Experience: 27

Mr. Allegra is the Regional Practice Leader for Surveys with more than 27 years of project management experience nationally and internationally in survey construction and survey engineering projects for both public and private clients. Mr. Allegra is responsible for the integration of new survey technology for the Survey Group. Mr. Allegra is proficient in both the use and integration of numerous engineering and surveying hardware and software systems. Relevant project experience includes:

Bluegrass Army Depot, Richmond, KY. Surveyor. KCI, in partnership with Atlantic Design Group and Linc Government Services, is currently working for the U.S. Army Corps of Engineers under a design-build Medical Facilities Renewal Contract to provide site infrastructure design and construction services to the Bluegrass Army Depot. The objective of the design-build contract is to prepare two Access Control Points (ACP's) at the Depot for installation of the U.S. Army Automated Installation Entry (AIE) System. Mr. Allegra conducted surveys and provided oversight of all survey crews assigned to the site.

Military Ocean Terminal Sunny Point Survey Services, Sunny Point, NC. Surveyor. KCI Technologies, in partnership with Atlantic Design Group and Linc Government Services LLC, is currently working for the U.S. Army Corps of Engineers under a design-build Medical Facilities Renewal Contract to provide site infrastructure design and construction services to the Military Ocean Terminal Sunny Point (MOTSU) facility. The objective of the design-build contract is to prepare two Access Control Points (ACP's) at the MOTSU facility for installation of the U.S. Army Automated Installation Entry (AIE) System. The design-build team will design and construct the infrastructure required to accept the AIE equipment that will be installed under a separate, future contract. Mr. Allegra led a KCI survey team to complete a field survey at the two Access Control Points and develop the base mapping for the construction Work Plan in accordance with U.S. Army design standards for site infrastructure design and construction services to the Military Ocean Terminal Sunny Point (MOTSU) facility.

New Northside Fire Station, Morgantown, WV. Party Chief. KCI was a subconsultant the new Northside Fire Station for the City of Morgantown. KCI was responsible for overall site design, access roads, utility lines, sidewalks, drainage, stormwater quality and retention, grading plans, erosion and sedimentation control plans, and the site/civil permitting. Mr. Allegra provided topographic survey services in support of the project.

Downtown Student Housing, Morgantown, WV. Party Chief. KCI was a subconsultant to Paradigm Architecture for the New Honors Dormitory located on West Virginia University's downtown campus. KCI was responsible for overall site design, plaza, utility lines, sidewalks, drainage, storm water quality and retention, grading plans, erosion and sedimentation control plans, and the site/civil permitting. 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. Mr. Allegra and his team of surveyors provided topographic services to gather all available utility plans and road plans for the subject property, boundary services to establish a control perimeter traverse and vertical control, and boring stakeout services.

PADGS National Guard Readiness Center

York, PA

Client

Pennsylvania Department of
General Services

Contact

Gary Taylor, (717) 787-6200
Pennsylvania Department of
General Services

Year Complete: 2008

KCI was selected to provide due diligence and 1391 programming support for the York, PA Combined Readiness Center. The Commonwealth of Pennsylvania was interested in purchasing a parcel of land that is located both in Jackson and West Manchester Townships. The proposed facility included a new National Guard Readiness Center for two companies of soldiers numbering approximately 60 soldiers each.

KCI and our subconsultant team provided preliminary programming, estimating, and 1391 cost estimates in support of the NGB and DGS due diligence activities under the purchase agreement with the previous owner. The 1391 charette involved a day long workshop with the end user, the Pennsylvania National Guard.

To support these services, KCI provided Phase I and Phase II environmental assessments. KCI also verified the field survey, including hard stand areas and personnel parking. Additionally, KCI provided utility verification and site permitting as well as structural services as necessary. MEP services included estimating support of the building electrical requirements and subsequent electrical utility requirements. Based on separate guidelines for two different National Guard company requirements, KCI developed a programming narrative of the required power, emergency, fire alarm, lighting, and telecommunications systems. The narrative served as a basis for the electrical conceptual construction estimates.

The proposed facility includes a new National Guard Readiness Center. Site improvements include extending required utilities to the new building, providing fencing, and pedestrian walkways. Building setbacks for Anti-Terrorism/Force Protection (AT/FP) were incorporated in proposed facility and site layouts.



Fort Leavenworth AIE

Fort Leavenworth, KS

Client

US Army Corps of Engineers

Contact

David Boyd, (270) 885-4675
Linc Government Services

Year Complete: 2010

KCI was the prime sub-consultant to Linc Government Services, for a design-build Facility Repair and Renewal (FFR) Contract with the U.S. Army Corps of Engineers to provide site infrastructure design and construction services to Fort Leavenworth, Leavenworth, KS. The objective of the FFR contract was to prepare three Access Control Points (ACP's) at Fort Leavenworth for installation of the U.S. Army's Automated Installation Entry (AIE) System. The design-build team provided construction documents for the infrastructure required to accept the AIE equipment that will be installed under a separate, future contract.

Phase I: KCI's engineers conducted a site investigation of each ACP and inter-related infrastructure during Phase I of the FFR contract. The existing ID check area islands, guard booths, gate houses, ID Check area canopy, canopy lighting, active vehicle barrier (AVB), electrical power system, communications network, electronic security system, and pavement markings and signing at each ACP were evaluated for compliance with U.S. Army design standards. A traffic study at each ACP was also completed during Phase I in order to evaluate the existing traffic flow and conditions.

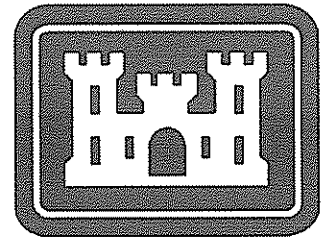
Phase I concluded with the production of a site investigation report. The report included an analysis of the existing infrastructure; an evaluation of each ACP's compliance with Army design standards; a new AVB feasibility analysis; a concept design inclusive of ACP design alternatives for accepting the future AIE equipment installation, as well as other recommended ACP improvements/upgrades; and a traffic survey report that identified peak hourly demand, queue lengths, and number of lane requirements.

Phase II: KCI is currently working with the design-build team to develop a comprehensive Work Plan for construction based on the Phase I comments received from the U.S. Army Corps of Engineers, the Protective Design Center, and the Installation. A KCI survey team completed a field survey at each ACP and developed the base mapping for the Work Plan. KCI site/civil engineers are finalizing ACP designs that are compliant with the current versions of the U.S. Army ACP Standard Definitive Design manual, the Military Surface Deployment and Distribution Command Transportation Engineering Agency (SDDCTEA) standards, and the Fort Meade Installation Design Guide standards.

With the current Work Plan design, the existing ID check areas at each ACP will be demolished and replaced with new ID Check areas. Each new ID Check area will receive a new canopy and lighting; new raised concrete traffic islands with conduit stub-outs for the future AIE equipment; a new 4-ft x 8-ft guard booth on each traffic island; and new pavement markings and signing.

The Hancock Ave. ACP will have three inbound lanes and one outbound lane with three new 10-ft x 75-ft ID Check area traffic islands. The Grant Ave. ACP will have six inbound lanes and two outbound lanes with seven new 8-ft x 75-ft traffic islands. It will receive a new AVB overwatch booth at the existing AVB; improved AVB area lighting; and new AVB signing and signals. The Sherman Ave. ACP will have two inbound lanes and one outbound lane with two new 10-ft x 75-ft traffic islands. It will receive a new AVB overwatch pad and communications junction box at the existing AVB's; improved AVB area lighting; and new AVB signing and signals.

KCI's electrical engineers are designing ACP electrical, communication, and security systems designs that are compliant with the Unified Facilities Guide Specification (UFGS) and Unified Facilities Criteria (UFC) design standards. KCI performed design calculations necessary to increase the electrical service to allow for the future AIE infrastructure; designed standby emergency power generation with automatic transfer switches; and configured the power infrastructure to allow for the future UPS system. In addition, KCI designed building security systems which provided remote intrusion detection and CCTV surveillance abilities. Through the use of modeling software, KCI was able to generate lighting calculations allowing CCTV operation at night. Electrical power, communications, lighting, and CCTV support was provided for the existing AVB's. Other support tasks included lightning protection systems for the canopies; distribution of underground power and communication conduits throughout the site; and specialized barrier controls.



Bluegrass Army Depot
Richmond, KY

Client
US Army Corps of Engineers

Contact
Craig Moyer, (410) 381-9610
Atlantic Design Group

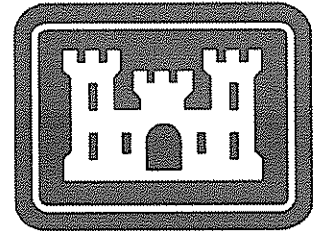
Year Complete: 2009

KCI was a sub-consultant to Atlantic Design Group, for a design-build Medical Facilities Renewal Contract with the U.S. Army Corps of Engineers to provide site infrastructure design and construction services for the Bluegrass Army Depot, Richmond, KY. The objective of the design-build contract was to prepare two Access Control Points (ACP's) at the Bluegrass Army Depot for installation of the U.S. Army's Automated Installation Entry (AIE) System. The design-build team will design and construct the infrastructure required to accept the AIE equipment that will be installed later under a separate contract.

Phase I: KCI engineers conducted a traffic study at each ACP in order to evaluate the existing traffic flow and conditions. A traffic survey report was completed that identified peak hourly demand, queue lengths, and number of lane requirements.

Phase II: A KCI survey team completed a field survey at each ACP and developed the base mapping for the Work Plan.

KCI's electrical engineers completed ACP electrical, communication, and security systems designs that are compliant with the Unified Facilities Guide Specification (UFGS) and Unified Facilities Criteria (UFC) design standards. Conduit routing to the future AIE equipment stub-outs was provided at each ACP. The future AIE equipment will include a card reader pedestal, CCTV cameras, vehicle RFID tag readers, traffic arm and lane control traffic signals, and AIE Work stations within each guard Booth and gatehouse. The electrical power system was designed to provide the required capacity and distribution of electrical power at each ACP and to accommodate the future AIE equipment and Uninterruptible Power Supply (UPS). The generators, automatic transfer switches, and power panel were designed to provide the required emergency backup power for the ACP's and an active vehicle barrier (AVB). The communications network was designed to support the new ACP systems and ensure a dedicated, high-speed network. New electronic security systems (ESS) provided include intrusion detection systems (IDS) on the doors of the gatehouses, guard booths, and equipment buildings, tamper alarms on the AVB control cabinets and all ESS control panels.



Northside Fire Station
Morgantown, WV

Client
City of Morgantown

Contact
Terri Hough, (304) 284-7412
City of Morgantown

Year Complete: 2009

KCI was a subconsultant for the Northside Fire Station for the City of Morgantown. KCI was responsible for overall site design, access roads, utility lines, sidewalks, drainage, stormwater quality and retention, grading plans, erosion and sedimentation control plans, and the site/civil permitting.

The new Morgantown Fire Station will be a LEED certifiable building. KCI's design approach to the site/civil items reflects LEED certification.

KCI also designed a 3,000 +/- gallon water harvesting tank to harvest the rain water from the roof of the proposed building. The design also provides a cost effective solution to long term water demand for the Fire Station.



Abingdon Maintenance Facility Abingdon, MD

Client

Harford County Department of
Public Works

Contact

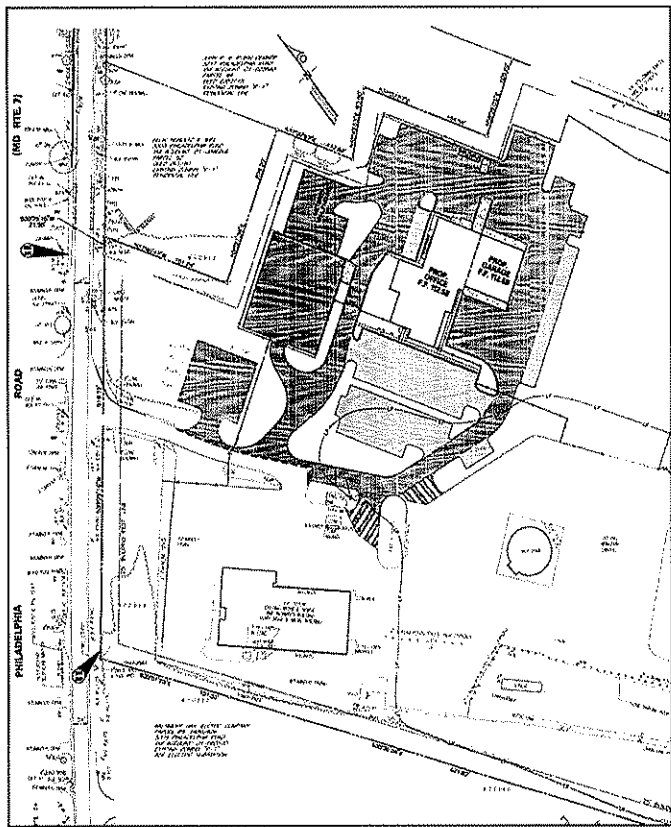
Edward Maley,
(410) 638-3547
Harford County Department of
Public Works

Year Complete: 2005

KCI provided various engineering services for a new 7,450 SF single story office building with an attached 8,320 SF garage, recycling area, a flat yard, asphalt parking areas, and a stormwater management pond for the Harford County Water and Sewer Maintenance Shop and renovation of the existing building for the Highway Division including miscellaneous site improvements. The total site area encompassed approximately 37.5 acres, 14 acres of which are currently being occupied by the Harford County Department of Public Works. The remaining 24 acres contain the old Abingdon Landfill. The Abingdon Landfill is reportedly an unlined trench-type municipal landfill that operated from 1960 through 1973.

KCI performed a hazardous materials survey to determine the presence or absence of asbestos-containing materials, lead-based paint, potential sources of polychlorinated biphenyls, etc. within the existing building.

KCI also performed a comprehensive review of the existing forested area and performed a site assessment to determine the existence of wetlands. A forest stand delineation was completed for approximately 17.0 acres. The wetland review identified five distinct and separate wetland areas. KCI's environmental staff performed a delineation and coordinated a jurisdictional determination of the existing on-site wetlands with the Maryland Department of the Environment and the United States Army Corps of Engineers.



KCI developed several site alternates. The new building and site incorporated the existing Department of Public Works Building and the old Abingdon landfill that is no longer operated into the overall development plan. KCI assisted the project team with evaluations of each proposed alternate of the final site plan.

The final design allowed for the addition of an add alternate recycling area, an add alternate wash-bay area, a new flat yard for storing public work materials, a fence enclosed parking area for all county vehicles, a separate parking area for employee and visitor vehicles, and a storm water management pond. Regarding the existing capped landfill, the final design was kept at a minimum required distance with all work within the landfill area being fill only and no cut.

KCI staff developed a new paving layout and parking layout for the existing Highways building and also designed extensions for storm drain, water and sanitary sewer services for both the new Water and Sewer Building and the existing Highways building. The stormwater management design included a pond and a bio-retention area.

KCI shepherded the project through the County's web of review agencies to assist the Client and Owner with obtaining all of the necessary variances, waivers, and permits. KCI also provided construction administration services relating to the project's site/civil construction and assisted the construction manager with various related issues, including the development of field change documents and addressing RFIs.

Harper's Ferry Train Station Harper's Ferry, WV

Client
National Park Service

Contact
Sumul Shah, (781) 935-5600
Lumus Construction

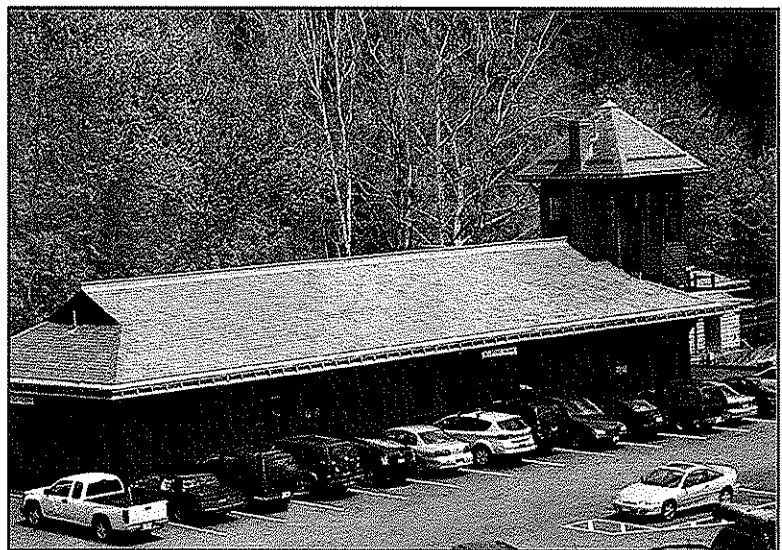
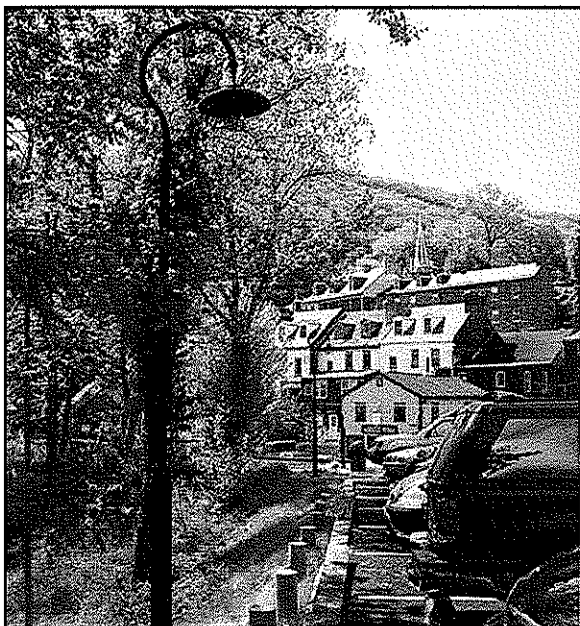
Year Complete: 2006

KCI provided electrical, site/civil, and structural engineering support services for this design/build historic preservation project. KCI's design team worked with the general contractor and National Park Service (NPS) to redesign the train station's parking lot and pedestrian pathway; restoring the historic nature of the site and improving safety and accessibility.

The existing parking lot lighting included several different historic fixtures that date at least to 1931, as well as contemporary, maintenance grade fixtures. None of the fixtures provided adequate lighting levels. The parking lot's historic lighting, as well as historic railings, have either disappeared or have fallen into disrepair. Since the historic railing provides a visual and physical barrier for vehicles and pedestrians from the steep slope along the armory side of the parking lot, replacing the railing was paramount from a safety standpoint.

Pedestrian access to the parking lot from Potomac Street was either via a dilapidated wood foot bridge or the vehicular access road, neither of which afford accessibility or an adequate degree of safety. Several years ago the National Park Service created a temporary gravel parking area on top of an abandoned remnant of a rail line that was part of the 1890's track realignment. The temporary parking lot was created to the east of the main parking lot in an effort to sustain the number of parking spaces during the Train Station renovation. KCI worked with NPS to remove the temporary parking lot and restore the historic rail remnant after the construction project was completed.

In addition to addressing the maintenance, safety and accessibility issues identified above, improving the general appearance of the parking lot was also a major concern from the onset of the project. Included in these general improvements were: improving the pedestrian and vehicular circulation, addressing water ponding and drainage issues, improving the appearance of the Train Station and parking lot from the street and reducing the overall impact to resources. Other issues that were identified during the design process included the impact of the parking lot construction to rail commuters and visitors to Harpers Ferry, the impact to local business and the overall impact to the Town of Harpers Ferry. Since the town of Harpers Ferry has been encouraging tourism and the development of more business along Potomac Street, a more attractive, safer parking lot that provides better access is expected go a long way to help support their goals, as well.



KCI & Paradigm

West Virginia University Downtown Student Housing Project Morgantown, WV

KCI was a subconsultant to Paradigm Architecture for the New Honors Dormitory located on West Virginia University's downtown campus. This project was recently completed. KCI was responsible for overall site design, plaza, utility lines, sidewalks, drainage, stormwater quality and retention, grading plans, erosion and sedimentation control plans, and the site/civil permitting.

The Dayton Morgantown, WV

KCI was a subconsultant to Paradigm Architecture for the Dayton. The Dayton is a 3-story modular building located at the corners of Ridgeway Avenue, Dayton Street and Richwood Avenue in Morgantown, WV. The building is a mixed used residential housing project with a parking garage and retail space located on the ground level. KCI was responsible for overall site/civil design, landscape design, water lines, sanitary sewer, general utility coordination, site/civil permitting and erosion and sediment control.

The View II at the Park Morgantown, WV

KCI was a subconsultant to Paradigm Architecture for the 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 houses Morgantown Area Chamber of Commerce on the first floor, with residential condominiums on the upper floors. KCI was responsible for overall site design, utility lines, sidewalks, drainage, stormwater retention, grading plans, erosion and sedimentation control plans, and the site/civil permitting.

Morgantown Event Center Morgantown, WV

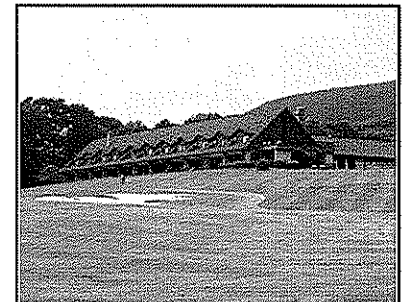
KCI is a subconsultant to Paradigm Architecture for the new Morgantown Event Center and Parking Garage, located in the Wharf District of Morgantown, WV. KCI is providing site/civil engineering and landscape architecture services for this design-build project.

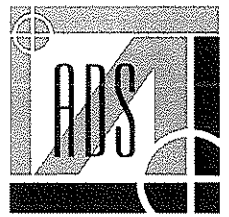
USDA Building Sabraton, WV

KCI was a subconsultant to Paradigm Architecture for the USDA Building located in the Sabraton Area of Morgantown. KCI provided site/civil engineering and landscape architecture design services for this design/build project. This project is pursuing LEED certification.

Cacapon Resort State Park Golf Course Improvements Cacapon, WV

KCI is a subconsultant to Paradigm Architecture for the Cacapon Resort State Park Improvement Projects. KCI is currently providing engineering services for the golf course. The improvements are to be commensurate with a Robert Trent Jones style course. KCI is also providing design services to upgrade the park's waste water collection system, and improve the potable water distribution throughout the park. KCI will also be providing site/civil engineering and landscape architecture services to accommodate the addition to the resort that is currently being designed by Paradigm Architecture.





**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
- Institutional
- Educational Facilities



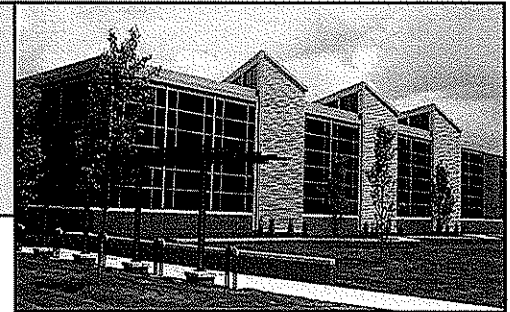
MIXED USE



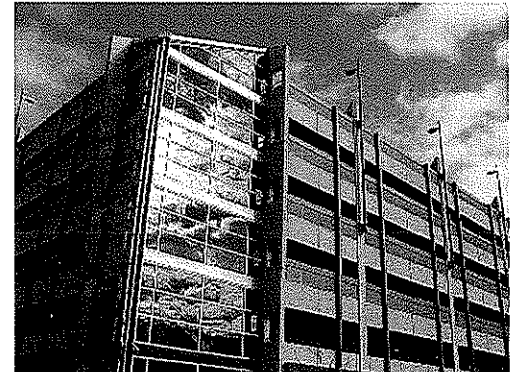
**HOTEL
 CONFERENCE CENTERS**



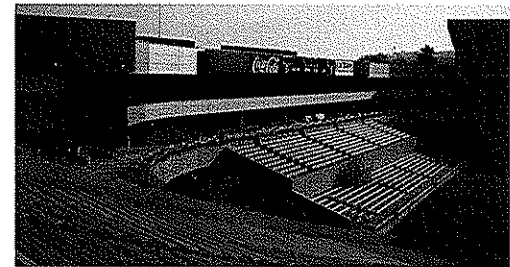
SECONDARY EDUCATION



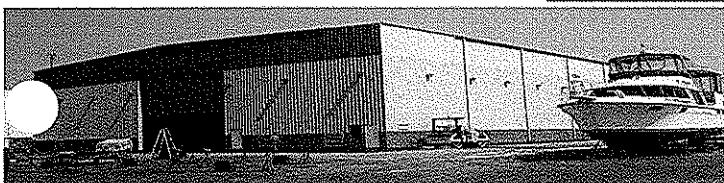
OFFICE BUILDINGS



PARKING GARAGES



ATHLETIC FACILITIES



METAL BUILDING SYSTEMS



HEALTH CARE



Allegheny

Design Services

Structural & MEP Engineering

102 Leeway Street
Morgantown, WV 26505
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Fax: (304)599-0772
E-mail: Dave@AlleghenyDesign.com
Web: www.AlleghenyDesign.com

FIRM PROFILE

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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 \$2 million liability policy for errors and omissions through Travelers.



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Structural & MEP Engineering

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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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Web: www.AlleghenyDesign.com

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: 1984
Structural Engineering Certification Board
West Virginia
Pennsylvania
Maryland
Virginia
District of Columbia
South Carolina
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
Respronics 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 & MEP Engineering

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Web: www.AlleghenyDesign.com

Michael L. Sipe, E.I. Engineering Intern

Education:

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

Awards/Achievements/Organizations:

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

Professional Registrations:

West Virginia, Engineering Intern License # 8519

Professional Experience:

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

Experience record:

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

Courses and Continuing Education:

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



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Morgantown, WV 26505

Phone: (304)599-0771

Fax: (304)599-0772

E-mail: Jason@AlleghenyDesign.com

Web: www.AlleghenyDesign.com

Jason D. Robinson, E.I. Engineering Intern

Education:

West Virginia University
B.S. Civil Engineering

Awards/Achievements/Organizations:

Dean's List
Member of AISC
Associate Member of ASCE

Professional Registrations:

West Virginia, Engineering Intern License #8699

Professional Experience:

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

Experience record:

Bridgeport Public Safety Substation, Bridgeport, WV
Canaan Valley Institute, Davis, WV
Gabriel Brothers Renovation, Clarksburg, WV
Genesis Youth Crisis Center, Clarksburg, WV
Goshen Baptist Church, Morgantown, WV
GSA DOE, Morgantown, WV
Mylan Upper Warehouse to Labs, Morgantown, WV
Rees Restaurant, Morgantown, WV
The Dayton, Morgantown, WV
The View at the Park Phase 2, Morgantown, WV
WVU Child Development, Morgantown, WV
White Oaks Progress Center, Bridgeport, WV

Courses and Continuing Education:

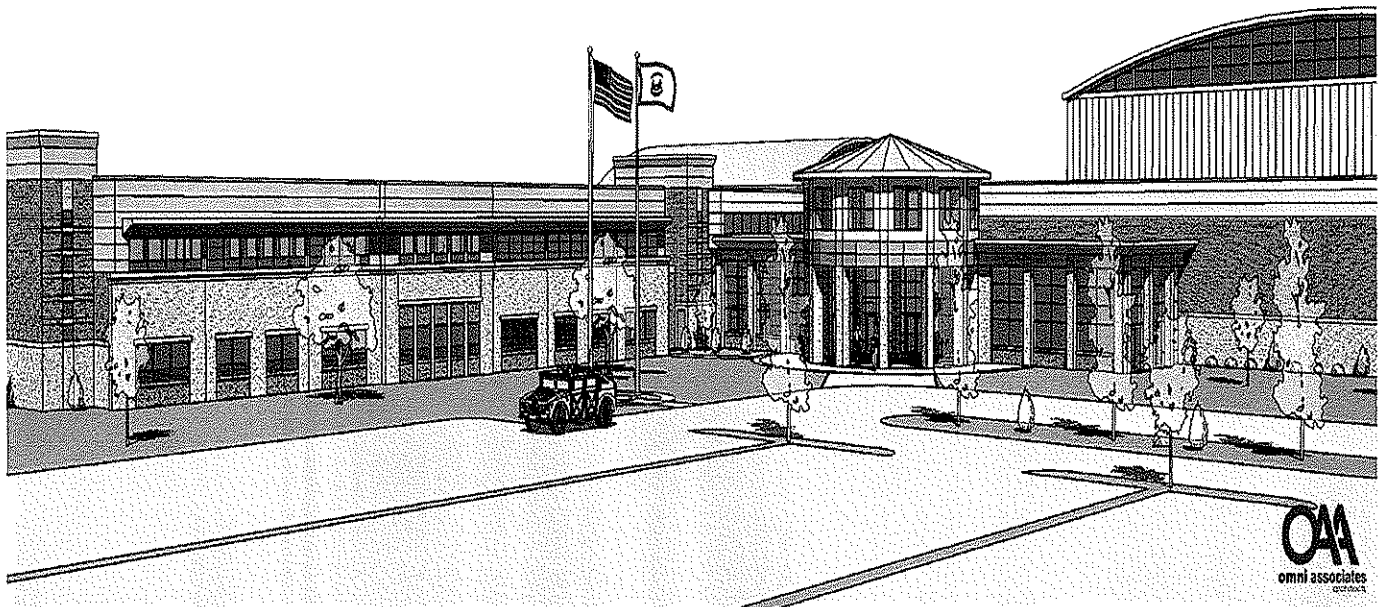
WVU Steel Design – Fall 2007
AISC Façade Attachments to Steel Frames, September 2007
ASCE Reinforced Masonry: Design and Construction, November 2007



Allegheny
Design Services
Structural & MEP Engineering

PROJECT PROFILE

Fairmont AFRC
Fairmont, WV



PROJECT ARCHITECT:
STRUCTURAL ENGINEER:
CONTRACTOR:

The Omni Associates—Architects, Inc., Fairmont, WV
Allegheny Design Services, Morgantown, WV
To Be Determined

PROJECT VALUE:

\$18 Million

ESTIMATED PROJECT COMPLETION:

Under Design



Allegheny
Design Services
Structural Engineering

PROJECT PROFILE

Allegheny Energy Transmission Building Fairmont, WV



PROJECT ARCHITECT:
STRUCTURAL ENGINEER:
CONTRACTOR:

The Omni Associates—Architects, Inc., Fairmont, WV
Allegheny Design Services, LLC, Morgantown, WV
March-Westin Company, Inc., Morgantown, WV

PROJECT SCOPE:

- Transmission Control Center
- Offices & Conference Rooms
- Maintenance Center

PROJECT VALUE:

\$25 Million

ESTIMATED PROJECT COMPLETION:

Sept. 2010



Allegheny
Design Services
Structural & MEP Engineering

PROJECT PROFILE

International Brotherhood of Electrical Workers Corporate Offices and Training Center Pittsburgh, PA



PROJECT ARCHITECT:
STRUCTURAL ENGINEER:
CONTRACTOR:

IKM Inc., Pittsburgh, PA
Allegheny Design Services, Morgantown, WV
Mascaro Corp., Pittsburgh, PA

PROJECT SCOPE:

- New Office Building
- Training Center
- Conference Hall

PROJECT VALUE: \$23 Million

PROJECT COMPLETION: 2001



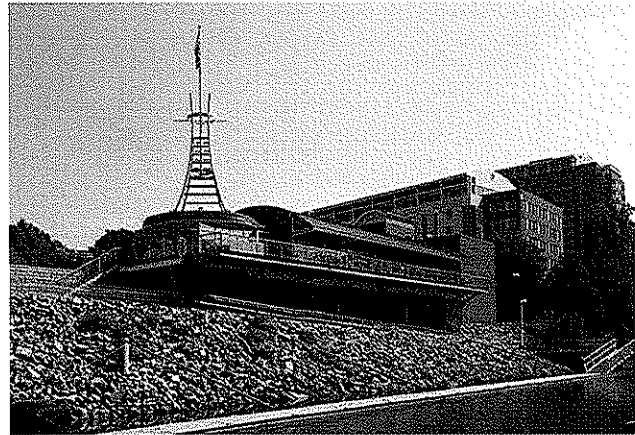
Allegheny Design Services

Structural & MEP Engineering

ALLEGHENY DESIGN SERVICES' EXPERIENCE TEAMING WITH PARADIGM ARCHITECTURE

Boathouse Bistro Morgantown, WV

ADS was a sub-consultant to Paradigm Architecture for the Boathouse Bistro. The building houses a restaurant, a docking facility, and WVU Crew Team storage. The \$5 Million facility was completed in 2007.



Cacapon Resort State Park Golf Course Improvements Cacapon, WV

ADS is a sub-consultant to Paradigm Architecture for the Cacapon Resort State Park Improvement Projects. ADS will be providing design of foundations and structural system design for multimillion dollar addition.

Chestnut Ridge Community Church Morgantown, WV

ADS was a sub-consultant to Paradigm Architecture for the Chestnut Ridge Community Church. At the time of completion in 2006 this was the largest church facility in West Virginia. At a cost of \$12 Million, it houses an education/gymnasium wing, administrative offices, and a 2000 seat sanctuary.





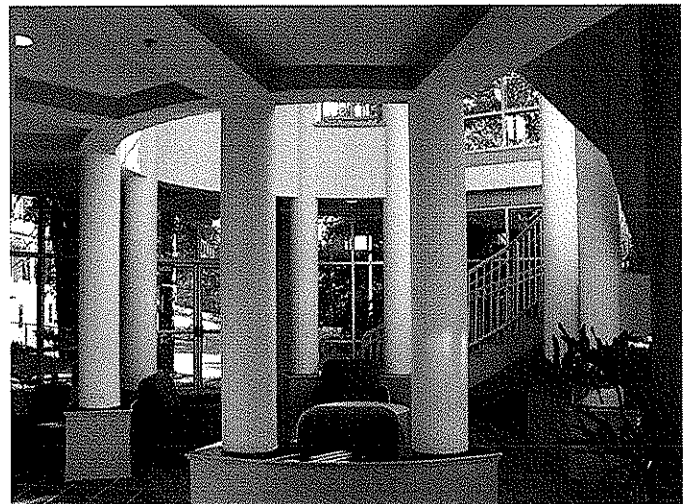
Davis & Elkins College Athletic Center
Elkins, WV

ADS was a sub-consultant to Paradigm Architecture for the Davis & Elkins College Athletic Center. The building houses a gymnasium, offices, and classrooms. At a cost of \$6 Million it was completed in 2006.



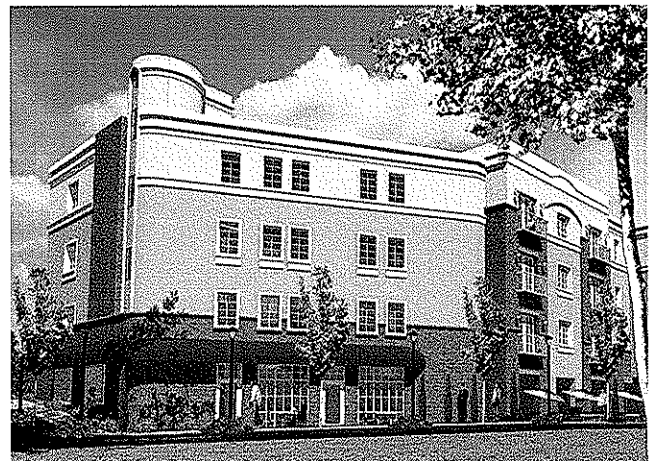
Davis & Elkins College Benedum Hall Renovation
Elkins, WV

ADS was a sub-consultant to Paradigm Architecture for the Davis & Elkins College Benedum Hall Renovation. This 16,000 square foot renovation to Benedum Hall included the addition of a rotunda at the entrance. The work was completed in 2003.



The Dayton
Morgantown, WV

ADS was a sub-consultant to Paradigm Architecture for The Dayton. The Dayton is a 3 story modular building located at the corners of Ridgeway Avenue, Dayton Street and Richwood Avenue in Morgantown, WV. The building is a mixed used residential housing project with parking garage and retail space located on the ground level. ADS was responsible for foundation and structural system design.





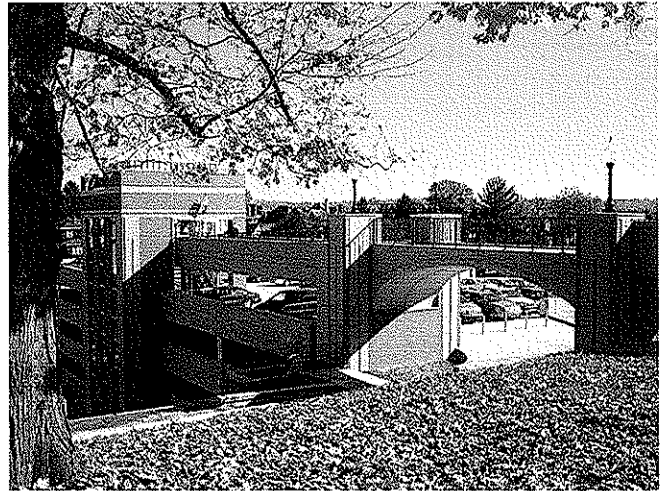
Allegheny

Design Services

Structural & MEP Engineering

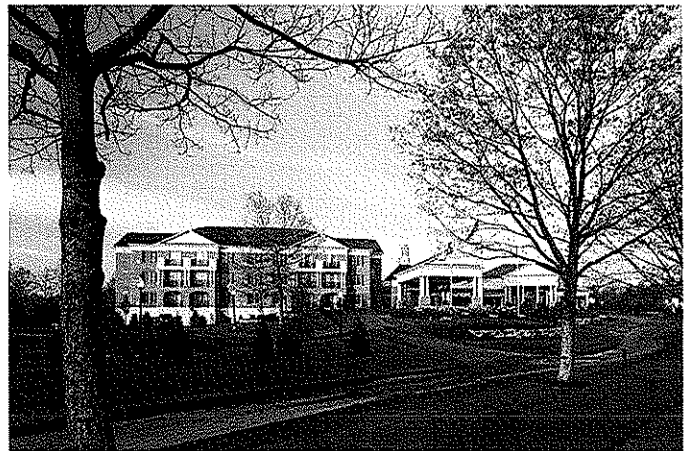
Fairmont State University Parking Garage Fairmont, WV

ADS was a sub-consultant to Paradigm Architecture for the FSU Parking Garage. This design-build project was completed in 2003 at a cost of \$9.2 Million. This 900 car capacity facility was built over mine cavities which required pre-grouting.



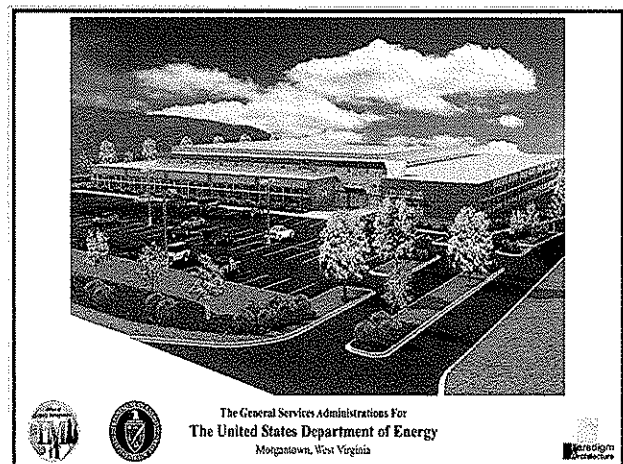
Glade Springs Hotel & Conference Center Daniels, WV

ADS was a sub-consultant to Paradigm Architecture for the Glade Springs Hotel & Conference Center. The facility consists of a 40,000 sq. foot hotel wing, a 12,000 sq. foot conference center and a 2,000 sq. foot Porte Coche. It was completed in 2005 at a cost of \$5 Million.



GSA - Department of Energy Morgantown, WV

ADS was a sub-consultant to Paradigm Architecture for the GSA - DOE. This office and records storage building was completed in 2009. At a cost of \$8 Million (shell only) it was awarded through a Design Build Competition sponsored by the General Services Administration.





Allegheny Design Services

Structural & MEP Engineering

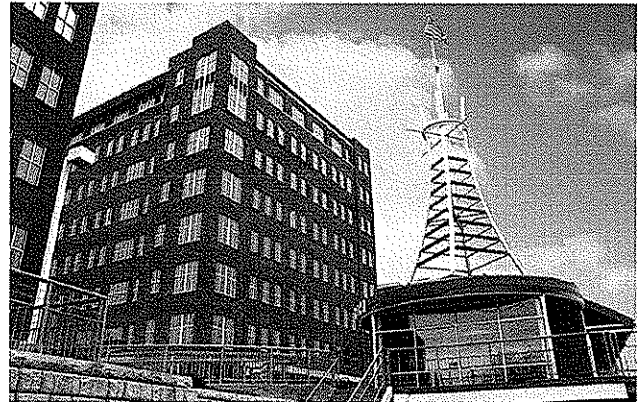
GSA/USDA Building Sabraton, WV

ADS was a sub-consultant to Paradigm Architecture for the USDA Building located in the Sabraton Area of Morgantown. ADS provided foundation and structural system design. This project is pursuing LEED certification.



Marina Tower Morgantown, WV

ADS was a sub-consultant to Paradigm Architecture for the Marina Tower. At a cost of \$10 Million (shell only) this building was completed in 2009. The eight story structure was a winner of an Excellence in Construction Award from Associated Builders and Contractors, WV Chapter.



Morgantown Event Center Morgantown, WV

ADS is a sub-consultant to Paradigm Architecture for the new Morgantown Event Center and Parking Garage, located in the Wharf District of Morgantown, WV. ADS is providing foundation and structural system design.





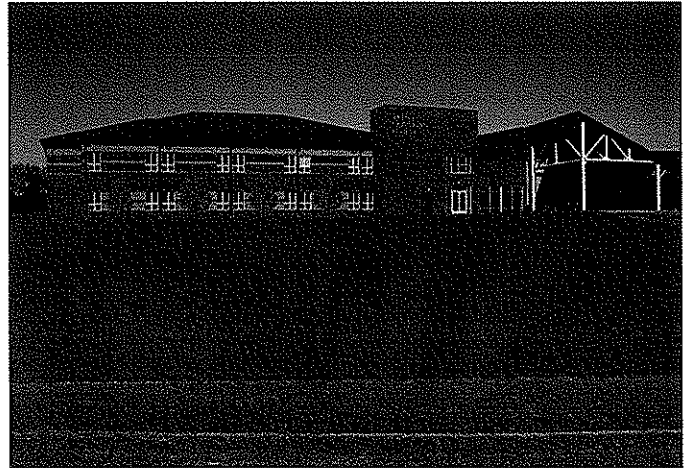
Allegheny

Design Services

Structural & MEP Engineering

Trinity Christian School Morgantown, WV

ADS was a sub-consultant to Paradigm Architecture for the Trinity Christian School. The 50,000 square foot high school was completed in 2004 at a cost of \$5 Million.



The View at the Park Morgantown, WV

ADS was a sub-consultant to Paradigm Architecture for The View at the Park. The 6 story building contains 56 apartments. It was completed in 2003 at a cost of \$6 Million.



The View II at the Park Morgantown, WV

ADS was a sub-consultant to Paradigm Architecture for the 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 houses Morgantown Area Chamber of Commerce on the first floor, with residential condominiums on the upper floors. ADS was responsible for foundation and structural system design.





Waterfront Place Hotel & Conference Center
Morgantown, WV

ADS was a sub-consultant to Paradigm Architecture for the Waterfront Place Hotel & Conference Center. The \$33 Million hotel and conference center was completed in 2003. The 17 story building contains 300,000 sq. foot of heated space with a lower level parking garage.



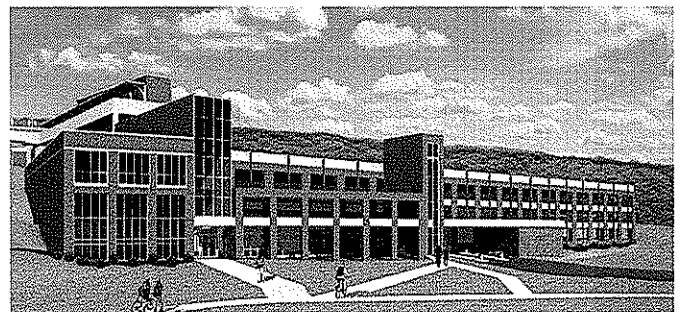
West Virginia University Honors Dormitory
Morgantown, WV

ADS was a sub-consultant to Paradigm Architecture for the new Honors Dormitory located on West Virginia University's downtown campus. This project was recently completed. ADS was responsible for overall foundation and structural system design.



WVU Transportation Center & Parking Garage
Morgantown, WV

ADS was a sub-consultant to Paradigm Architecture for the WVU Transportation Center & Parking Garage. The \$17 Million facility contains a 500 car parking garage, offices, public space, and retail space. It was completed in 2009.





Currently in its 64th year, the H.F. Lenz Company is a multi-discipline engineering firm offering a full range of engineering services for building systems, infrastructure, and industry. Our projects span the nation, with the heaviest concentration in the Northeast, and exceed \$530 million in MEP and structural construction and civil/site engineering services annually. Each market sector—corporate, government, health care, education, and industry—is served by a team of specialists who understand the unique needs of the clients they serve. We currently have 169 employees, including 44 Professional Engineers licensed in a total of 45 states, including West Virginia, and office locations in Johnstown, Pittsburgh, and Erie, Pennsylvania.



Services offered include:

- Mechanical Engineering
- Electrical Engineering
- Plumbing Engineering
- Life Safety / Fire Protection Engineering
- Communications Engineering
- LEED Design Services
- Civil Engineering
- Structural Engineering
- Industrial Engineering
- Surveying
- Construction Phase Services
- Commissioning

A remarkable 85 percent of our work consists of repeat commissions from clients, including the U.S. Army Corps of Engineers, who appreciate our responsive, value-added service. We've earned their trust by:

- Designing well-functioning systems that work *with* a building's architecture rather than being constrained by it.
- Achieving the optimal balance of system performance with the client's budget through value engineering.
- Designing system infrastructures—including communications—that accommodate growth and changing technology.
- Phasing installations to avoid disrupting normal and critical operations.
- Keeping construction cost and schedule on track with enhanced construction-phase services.
- Commissioning new systems to assure that they function as intended.



Experienced Project Team

The team that will serve on this contract is comprised of dedicated, multi-discipline individuals, many of whom have been working together for almost a decade. Together they have taken on the challenges of numerous high profile, complex projects and have derived workable, cost-effective solutions that have met the objectives of the client.

H.F. Lenz Company has provided engineering services for over \$75 million of construction for the U.S. Army, Baltimore Corps of Engineers over the past 20 years including 7 indefinite delivery-type contracts (IDTCs) and 11 new reserve centers, several of which were design/build projects. We have held six (6) IDTC's for Letterkenny Army Depot under which we have completed in excess of 100 projects requiring a variety of engineering expertise. We also have experience with the Pennsylvania and Ohio National Guard.



Mr. Deter is responsible for the engineering design of all trades, the supervision of senior designers, the preparation of reports to determine optimal systems and/or equipment selections, and the coordination and checking of contract documents for completeness and quality. He is responsible for coordination with the client, the architect, regulatory agencies, and the engineering staff; project scheduling; and other project management functions. Mr. Deter is experienced in the design of building systems for both new buildings and building retrofits for educational, health care, commercial, government, industrial, residential, and utility related facilities. He is experienced in the design of power distribution systems; emergency power systems and monitoring; uninterruptible power supplies; lighting and emergency lighting systems; fire alarm systems; nurse call; security; sound; and telephone systems. His project experience includes:

New Armory, Pennsylvania Department of Military Affairs
Ford City, Pennsylvania
New 24,400 sq.ft. training center with classrooms and kitchen/dining facilities and maintenance shop

Pennsylvania National Guard Facility
Regional Maintenance Facility
Johnstown, Pennsylvania
New maintenance shop consisting of 23,560 square feet with approximately 8,000 square feet of office and maintenance shop area and the remainder for storage and eight vehicle maintenance bays

U.S. Army Reserve Center Aviation Facility
Johnstown, Pennsylvania
New 120,000 sq.ft. multi-building reserve center including a new training building and hangar facility. Project included 90% design for a new 200-bed Marine Corps Reserve barracks

U.S. Army Reserve Center
Wheeling, West Virginia
Design/build project including a 24,000 sq.ft. training building with classrooms, administrative areas, library, assembly hall,

weaponer room and medical section, and 17,000 sq.ft. OMS/AMSA

U.S. Army Reserve Aviation Center
Weirton, West Virginia
Design/build project including a 16,000 sq.ft. training building with classrooms, assembly hall, arms vault, armorer, weaponer room, and Comsec training area, and a 6,300 sq.ft. OMS

U.S. Army Reserve Center
Grantsville, Maryland
New 15,300 sq.ft. training building with classrooms, assembly hall, library, Comsec training area, and weaponer room, and 2,400 sq.ft. OMS

Letterkenny Army Depot
Chambersburg, Pennsylvania
Various projects under 5 IDCs including:
– Building 350 – Vehicle maintenance building lighting and fire alarm system replacement
– Building 1 - HVAC system upgrades

U.S. Air Force – 911th Airlift Group
Corapolis, Pennsylvania
Various projects under two IDCs

Education

Bachelor of Science, Electrical Engineering Technology, 1987, University of Pittsburgh at Johnstown

Experience

H.F. Lenz Company 1992 – Present • Parfitt/Ling Consulting Engineers 1990 - 1992

Gary Johnston & Assoc., Inc. 1987 - 1990

Professional Certification

Licensed Professional Engineer in Pennsylvania, Illinois, Maryland, New Jersey, Ohio, Virginia, and West Virginia; LEED™ Accredited Professional

Professional Affiliations

Professional Engineers in Private Practice; NSPE/PSPE; APPA; U.S. Green Building Council



Mr. Stewart has over 20 years experience in the design of HVAC, plumbing, and fire protection systems. His responsibilities have included code compliance verification, schematic layout, calculations, equipment selection, control system selection, specification writing, coordination, life cycle cost analyses, cost estimating. His experience includes the design of mechanical systems for military installations, industrial plants, office buildings, hospitals, and educational facilities. He has also been involved in the design of chiller and boiler plants. Mr. Stewart's project experience includes (*indicates prior experience):

Pennsylvania National Guard
Johnstown, Pennsylvania

New Regional Maintenance Facility with 23,560 sq.ft. maintenance shop. The project included flammable storage, general storage areas, and an on-site fuel dispensing station

Ohio National Guard

Akron-Canton Regional Airport, Akron, Ohio
New 26,400 sq.ft. aircraft storage facility and partial demolition, expansion, and renovations to the existing hangar. The project included the design of a new fire suppression system

New Armory, Pennsylvania Department of
Military Affairs

Ford City, Pennsylvania
New 24,400 sq.ft. training center with classrooms and kitchen/dining facilities and maintenance shop

911th Airlift Wing, U.S. Air Force Reserve
Greater Pittsburgh International Airport
Coraopolis, Pennsylvania
Various projects under two IDCs

Walter Reed Army Medical Center
Chambersburg, Pennsylvania

– Renovation and upgrade to Building 12, Provost Marshal's Facility
– Repair and upgrade of the main steam distribution system from the Garrison's Steam Plant, Building 15, to the Main Hospital building, Building 2

Dyess Air Force Base*

Abilene, Texas
– Base Headquarters
– Aircraft and maintenance hangar
– Vehicle maintenance facility
– General aircraft maintenance hangar renovation
– 80,000 sq.ft. office building renovation

Squadron Operations, Dyess Air Force Base*
Abilene, Texas

– HVAC replacement involving 998 units of military family housing
– Renovation to existing airmen's dormitory
– Renovations and additions to five office buildings ranging from 5,000 to 15,000 sq.ft.

Education

Master of Science, Mechanical Engineering, University of Pittsburgh, 1995
Graduate Courses in Facilities Engineering, Air Force Institute of Technology, 1984-1987
Bachelor of Science, Mechanical Engineering, University of Pittsburgh, 1984

Experience

H.F. Lenz Company 1996 - Present
Peter F. Loftus Division, Eichleay Engineers, Inc. 1989 - 1996
Newport News Shipbuilding 1988 - 1989
U.S. Air Force 1984 - 1988

Professional Registration / Certification

Licensed Professional Engineer in Pennsylvania • LEED™ Accredited Professional • Adjunct Assistant Professor for the University of Pittsburgh at Johnstown in HVAC Design for the Mechanical Engineering Technology Curriculum

Professional Affiliations

American Society of Heating, Refrigerating, and Air-Conditioning Engineers; APPA
U.S. Green Buildings Council



Mr. Mulhollen is experienced in the design of power distribution systems, control systems, emergency power systems, lighting and emergency lighting systems, fire alarm systems, security, sound, and telecommunication systems for correctional, educational, institutional, industrial, health care, and commercial facilities. Mr. Mulhollen's project experience includes (*indicates prior experience):

Pennsylvania National Guard
Johnstown, Pennsylvania
New Regional Maintenance Facility with 23,560 sq.ft. maintenance shop. The project included flammable storage, general storage areas, and an on-site fuel dispensing station

Ohio National Guard
Akron-Canton Regional Airport, Akron, Ohio
New 26,400 sq.ft. aircraft storage facility and partial demolition, expansion, and renovations to the existing hangar. The project included the design of a new fire suppression system

Letterkenny Army Depot
Chambersburg, Pennsylvania
Various projects under several IDCs including:
– *Building 350 – Vehicle maintenance building lighting and fire alarm system replacement (350,000 sq.ft)*
– *Defense Data Center, Bldg 3*
– *Warehouse Building, Bldg 7*
– *Missile Maintenance Building, Bldg 370*
– *ATACMS Missile Assembly Facility, Bldg 3810*
– *Building 521 Addition*
– *Commanding Officer's Residence, Bldg 505*
– *Hazardous materials storage building*
– *Battery shop addition*

U.S. Air Force – 911th Airlift Group
Corapolis, Pennsylvania
Various projects under two IDCs

Department of Treasury*
New Troop "C" Headquarters
Trenton, New Jersey
New 85,000 sq.ft. police barracks with training areas, administration areas, car maintenance area, dispatch area, and holding cells

Allegheny County 911 Center*
Allegheny County, Pennsylvania
New 911 center consisting of 60,000 sq.ft. of administration space and 3,500 sq.ft. of data center space

Westmoreland County 911 Center*
Westmoreland County, Pennsylvania
New 25,000 sq.ft. center consisting of computer and administration space

Naval Surface Warfare Center*
West Bethesda, Maryland
Building 5 electrical distribution upgrade totaling \$300,000

Anthony Juvenile Correctional Center*
Neola, West Virginia
Electrical design of correctional facility

Pennsylvania Turnpike Commission
Central Administration Building
Harrisburg, Pennsylvania
New three-story addition and renovation to the Central Administration Building including parking lot and exterior building lighting; LEED™ Certified Building

Education

Bachelor of Science, Electrical Engineering, 1988, Pennsylvania State University

Experience

H.F. Lenz Company 1999
L. Robert Kimball & Associates 1996 – 1999
Leach Wallace Associates, Inc. 1990 - 1996
E.A. Mueller, Inc. 1988 - 1990

Professional Registration / Certification

Licensed Professional Engineer in Pennsylvania • Alabama • Florida • Maryland • Missouri • New Jersey • New Mexico • Ohio • Tennessee

Professional Affiliations

Institute of Electrical and Electronics Engineers, Inc.



Mr. Rummel has designed complete plumbing and fire protection systems for colleges, schools, office buildings, hospitals, prisons, laboratories, industrial facilities, and military installations. He is fully knowledgeable of NFPA codes and is experienced in the design of wet, dry, preaction, FM200, and deluge fire protection systems. He is responsible for plumbing and sprinkler system design, layout, and calculations; selection and sizing of equipment; cost estimates; and site survey work. Mr. Rummel supervises drafting personnel; coordinates the plumbing design with utility companies, with other trades, and with the Project Engineer and Project Architect; and is responsible for assembling complete and accurate plumbing bid documents which meet H.F. Lenz Company standards. Mr. Rummel has been involved in the design of plumbing and fire protection systems for the following projects:

Pennsylvania National Guard
Johnstown, Pennsylvania

New Regional Maintenance Facility with 23,560 sq.ft. maintenance shop. The project included flammable storage, general storage areas, and an on-site fuel dispensing station

Ohio National Guard

Akron-Canton Regional Airport, Akron, Ohio
New 26,400 sq.ft. aircraft storage facility and partial demolition, expansion, and renovations to the existing hangar. The project included the design of a new fire suppression system

New Armory, Pennsylvania Department of
Military Affairs
Ford City, Pennsylvania

Plumbing and fire protection design for a new 24,000 sq.ft. training facility with classrooms and kitchen/dining facilities

U.S. Army Reserve Aviation Facility
Johnstown, Pennsylvania

Fire protection system design for a new 120,000 sq.ft. multi-building reserve center with new training building including assembly hall, classrooms, administrative areas, dining facilities, and arms vault, and a new hangar facility. Project included 90% design for a new 200-bed Marine Corps Reserve barracks

U.S. Army Reserve Center
Grantsville, Maryland

Plumbing and fire protection design for a new 15,300 sq.ft. training building with classrooms, assembly hall, library, Comsec training area, and weaponeer room, and 2,400 sq.ft. OMS

U.S. Army Reserve Center
Beckley, West Virginia

Plumbing and fire protection design for a new 300-member Reserve Center with training building and OMS

U.S. Army Reserve Center
Kingwood, West Virginia

Plumbing and fire protection design for a new 100-member Reserve Center with training building and OMS

911th Airlift Wing, U.S. Air Force Reserve
Greater Pittsburgh International Airport
Coraopolis, Pennsylvania

- Plumbing and fire protection system design for a new 21,700 sq.ft. base civil engineering building
- Various projects under two IDCs

Letterkenny Army Depot

Chambersburg, Pennsylvania
Various projects under 5 IDCs

Education

B.S. in Mechanical Engineering Technology, 2000, Point Park College
Associate in Specialized Technology 1984, Architectural Drafting and Construction with CAD Technology, Triangle Institute of Technology

Experience

H.F. Lenz Company 1989 - Present
Newport News Ship Building 1984 - 1989

Professional Certification

Certified in Plumbing Design, ASPE



Military Facilities

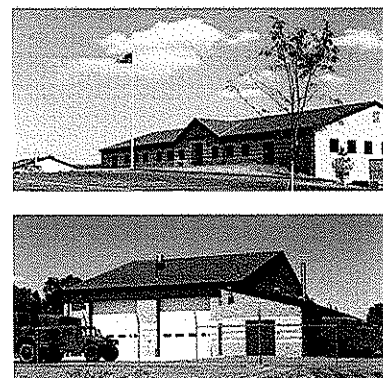
The following new Military Facilities contain a variety of relevant spaces including offices, maintenance and storage facilities, and various shops and production areas.

Regional Maintenance Facility, Pennsylvania National Guard Facility, Johnstown, PA. HFL was responsible for the engineering design of a New Maintenance Shop for the Pennsylvania National Guard Facility consisting of 23,560 sq.ft. with approximately 8,000 sq.ft. of office and maintenance shop area and the remainder for storage and eight vehicle maintenance bays. The project included flammable storage, general storage areas, weapons vault, security system design, and an on-site fuel dispensing station. The entire area is protected by a perimeter fence and automatic access gates entering the site. Total Construction Cost: \$4,200,000.

New U.S. Army Reserve Centers (USARCs) in Morgantown, Kingwood, and Elkins, WV. HFL provided the MEP services for all three of the facilities which included:

- Morgantown – 21,700 sq.ft. Administrative and Training Building, 5,500 sq.ft. four bay Organizational Maintenance Shop (OMS)
- Elkins – 12,000 sq.ft. Administrative and Training Building, 4,200 sq.ft., three bay OMS
- Kingwood – 19,000 sq.ft. Administrative and Training Building, 5,000 sq.ft. four bay OMS, and 600 sq.ft. of covered storage area

Total Construction Cost: \$5,400,000.



New USARC in Beckley and Rainelle, WV. HFL provided the MEP services for both of the facilities which included:

- Beckley – 27,511 sq.ft. Administrative and Training Building, 2,709 sq.ft. OMS
- Rainelle – 19,444 sq.ft. Administrative and Training Building, 7,532 sq.ft., three bay OMS

Total Construction Cost: \$5,400,000

U.S. Army Reserve Aviation Center, Weirton, WV. Under this design/build contract, the HFL provided engineering design services for a 30% concept design for this new reserve center. The facility is comprised of a 16,000 sq.ft. training building and a 6,300 sq.ft. organizational maintenance shop (OMS).

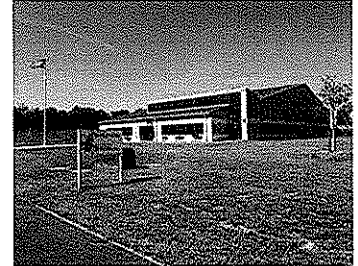
New USARC in Grantsville, PA. HFL provided the MEP Engineering services for a 15,000 sq.ft. training building and 2,400 sq.ft. OMS

Total Construction Cost: \$4,500,000

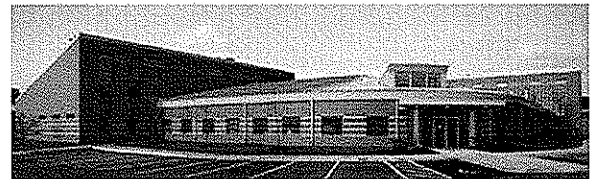


New USARC in Brownsville, PA. HFL provided the MEP Engineering services for a 20,000 sq.ft. training building and a new six bay OMS
Total Construction Cost: \$3,600,000

U.S. Armed Forces Aviation Facility, Johnstown, PA. HFL provided MEP, Structural, and Civil Engineering Services and Land Surveying Services for a new 120,000 sq.ft. aviation facility consisting of a training building to accommodate 300 reservist, a new hangar facility, and site development for the 80-acre site. Total Construction Cost: \$30,000,000.



Civil Engineering Building for the 911th Airlift Group, in Coraopolis, PA. HFL provided the MEP, Civil, Structural, and Land Surveying Services for a new 21,000 sq.ft. building housing offices, classrooms, conference rooms, drafting room, print room, support facilities, plumbing, sheet metal and welding shop, carpentry shop, electrical shop, HVAC and liquid fuels shop, Battery shop, Fire extinguisher shop, storage facilities and covered storage area. The project was phased to allow existing facilities to remain in use during construction. Total Construction Cost: \$4,300,000.



Operational Maintenance Facility, Johnstown, PA. HFL provided MEP, Structural and Civil Engineering for a new 12,700 sq.ft. Organizational Maintenance Facility with eight work bays. Total Construction Cost: \$4,690,000

Letterkenny Army Depot, U.S. Army Corps of Engineers

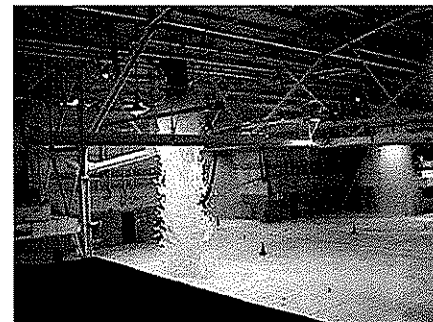
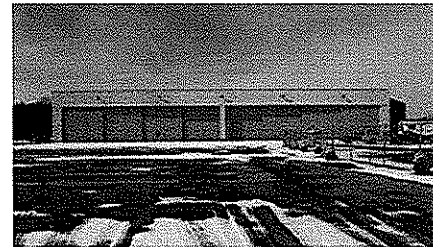
Chambersburg, PA. HFL has completed numerous projects throughout the Letterkenny Army Depot on five IDCs over the past 20+ years, including Building 350 which accommodates repair and maintenance for tactical vehicles, and Building 320 which accommodates painting and repair of military vehicles. Our services have included mechanical, electrical, fire protection, structural, and civil design services for various new construction, alteration projects and repair projects.



Hanger Expansion and New Aircraft Storage Facility, Ohio National Guard, Akron-Canton Regional Airport, Akron, OH. HFL provided MEP and structural engineering services for the expansion and alteration of the existing Army Aviation Support Facility (AASF) hanger. The existing facility was not equipped with a fire suppression system. The requirements of the project included partial demolition, expansion of the foundation and floor area of the existing hangar by 11,088 sq.ft., a new fire suppression system, modifications to the existing security systems and various interior improvements. The expanded facility is now able to accommodate three CH-47 helicopters.

The project also included the design of a new 26,400 sq.ft. aircraft storage facility.

The \$6,700,000 project was completed in 2008.



Additional Military Facility Project Examples:

Army Reserve Center, Wheeling, WV

- New 284-member reserve center with training building and maintenance shop

Morlock Army Reserve Center, Pittsburgh, PA

- HVAC modifications

Copely Army Reserve Center, Oil City, PA

- Boiler addition

Steele Army Reserve Center, Pittsburgh, PA

- Complete HVAC system replacement

Camp Dawson, Kingwood, WV

- Three new billeting facilities

Walter Reed Army Medical Center, Washington, D.C.

- Energy engineering analysis program, main hospital building

Corps of Engineers Offices, The Wanamaker Building, Philadelphia, PA

- Tenant fit-up

Ford City Armory, Ford City, PA

- New 24,400 sq.ft. training center with classrooms and kitchen/dining facilities

Naval Air Station, Lakehurst, NJ

- Air conditioning tune-up study

Various Activities, Pennsylvania, New York, and New Jersey

- Specialized energy studies

Naval Ship Parts Control Center, Mechanicsburg, PA

- Administrative facility improvements

Naval Research Laboratory, Washington, D.C.

- Three indefinite delivery contracts for mechanical, electrical, and structural engineering services (Chesapeake Division)

Oceana Naval Station, Virginia Beach, VA

- Energy monitoring and control system
- Boiler plant modifications (Atlantic Division)



Additional Relevant Project Examples:

St. Marys Fire and Police Station, St. Marys, PA. HFL Provided MEP Engineering Services for a new 22,000 sq.ft. facility to house the Police and Fire Department. The project included administration offices, evidence storage areas, weapons storage, and a 6,500 sq.ft. apparatus room to house fire trucks, emergency vehicles, and equipment center. The design also included the 24-hour emergency dispatch center. Total Construction Cost: \$4,000,000



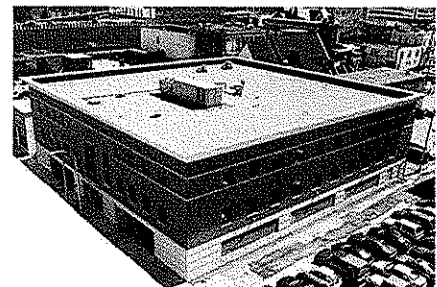
North Middleton Township, Carlisle, PA. HFL provided MEP Engineering Services for a new 11,000 sq.ft. municipal building and a new 24,000 sq.ft. public works building. The facilities housed municipal offices, meeting hall, sheriff's holding/processing area, vehicle maintenance and storage areas.

ATA of North Central Pennsylvania, New Regional Transit Facility, Johnsonburg, PA. HFL provided engineering services for the design of the 37,700 sq.ft. new administration, maintenance, vehicle storage and fleet fueling facility.

Office Building Project Examples

National Drug Intelligence Center (NDIC), Johnstown, PA. HFL Provided MEP, Civil, and Structural Engineering services for the tenant fit-up of an existing building to house the various function of the NDIC. The project included extensive modifications to the base building and tenant spaces. The project also including the design of a new SCIF. Total Construction Cost: \$3,500,000

SSA Johnstown, Johnstown, PA. HFL provided MEP, Civil and Structural Engineering Services and Land Surveying Services for a new 40,000 sq.ft. design/build office building. Total Construction Cost: \$2,500,000



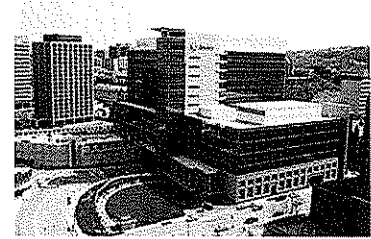
U.S. Drug Enforcement Agency, Pittsburgh, PA. HFL Provided MEP Engineering Services for a new 50,000 sq.ft. design/build office building. The project has received a LEED™ Certified Rating. Total Construction Cost: \$4,33,096 (shell & site), \$6,256,994 (with tenant fit-out services)



Data Processing Facilities Example

New Client Service Center for Mellon Financial Corporation (now Bank of New York Mellon), Pittsburgh, PA. HFL Provided MEP Engineering Services for a new 750,000 sq.ft. data processing and main

operations center and a 55,000 data center. Functions at the facility include check processing; retail, custom and wholesale lockbox operations; government processing, retail paying, statement insertion and other retail operations; international trade operations; corporate mail operations; corporate staffing; and global cash management administration. The project has received many awards including:



2001 Integrator Award, Consulting-Specifying Engineer Magazine

2004 Office Building of the Year, BOMA Mid-Atlantic Division

Total Construction Cost: \$150,000,000

Production Facilities Examples

Kennametal Inc., Machine Systems Division, Solon, OH. HFL provided MEP, Structural and Civil Engineering for a new building housing 60,000 sq.ft. of office and administration area, a 120,000 sq.ft. manufacturing, assembly, and distribution area, and a 3,000 sq.ft. employee cafeteria. Total Construction Cost: \$11,000,000

Cambria County Association for the Blind and Handicapped, Johnstown, PA. HFL Provided MEP, Structural and Civil Engineering for a new 27,200 sq.ft. office and manufacturing facility with special process ventilation system for the plant area and VAV cooling in the office areas. Total Construction Cost: \$1,130,000 (\$170,000 under budget)

LEED™ and Sustainable Design

H.F. Lenz Company was recently ranked in the “*Top 100 Green Design Firms*” in the Country, for the second year in a row, by ENR Magazine (June 2009 edition). We have been a member of the United States Green Building Council since 2000 and currently have *21 LEED® Accredited Professionals on staff*. Our firm has gained a high level of knowledge in the building green process and we possess the experience to successfully apply these principles to all building projects, whether they are designed to attain LEED Certification or not. In addition, we also became an *Energy Star® Partner Firm* in 2008, and recently completed our fourth project which has attained an Energy Star® Rating. H.F. Lenz Company currently has 24 projects that have attained various levels of LEED Certification, and 40+ projects that are currently pending LEED Certification.

