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April 11, 2012

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Ms. Krista S. Ferrell
Department of Administration
Purchasing Division, Building 15
2019 Washington Street, East
Charleston, WV 25305-0130

WV PURCHASING
DIVISION

Re: RFQ GSD126401 A&E Services for Building 4 Renovation

Dear Ms. Ferrell:

Paradigm Architecture Inc. is very pleased to submit our qualifications for the proposed project. We have assembled a team of **local** professionals with appropriate project experience and ability to make this a successful project.

We feel that we are uniquely qualified because of the following reasons:

- **Our local presence will allow us to visit and evaluate existing conditions much more extensively.**
- **Individuals assigned to this project have extensive experience in renovation projects including work at WVU Stewart Hall, the WVU Coliseum, One Waterfront Place and numerous other higher education locations such as Fairmont State University and Davis & Elkins College.**
- **Paradigm utilizes the latest technology in project delivery including Building Information Modeling (BIM).**

Our team includes **Allegheny Design Services** who will provide Structural Engineering services and **H. F. Lenz Company** who will provide Civil, Mechanical, Electrical, Plumbing, and Fire Protection Engineering services.

We are also actively involved in **sustainable design**. Included in our proposal are a few examples of our work with federally-funded and LEED projects. These include projects for the **U. S. Department of Agriculture** and the **U. S. Department of Energy**, which are **LEED Certified** and **LEED Gold Certified**, respectively. The new Morgantown Event Center was designed to LEED Certification standards; however, the Owner did not seek certification.

At Paradigm, we believe that **service** and **responsiveness** are critical to project success and client satisfaction. Therefore, we place a heavy emphasis on using proven teams on each of our projects who have completed many successful projects together. Several members of the technical team have been working together for more than 10 years, including time spent at previous employers. Our team has successfully completed multiple projects together, both large and small, most of which have resulted in repeat clientele for additional projects.

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 invite you to call upon any of our references.

We welcome the opportunity to work with the West Virginia General Services Division!

Best regards,

Paul Walker, AIA, President

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

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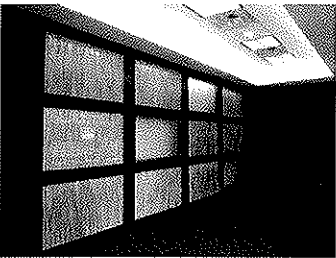


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4.2.1 Concept



*Fairmont State University
Parking Garage*



*United States Department
Of Agriculture Offices*



Glenmark Offices

Program Review and Verification

Critical to the success of any project is the clarity and thoroughness of the building program. Equally important is the vision of the client and the measurable goals for the success of their program. This project will have significant emphases on the mechanical, electrical, and life safety systems. With so many systems from which to choose, all with distinct advantages and disadvantages, selecting the best possible system can be quite daunting. The design team must carefully consider how system alternatives best meet the immediate and long-term needs of the Owner and building occupants, as well as regulatory agencies. Inappropriate, outdated, or misapplied systems can be very systems result in comfort complaints, indoor air quality issues, control problems, and exorbitant utility costs. Finally, cost/benefit analyses will be performed to make educated decisions on how to make this a successful project. Review and verification of the program allows the team to more fully understand the project requirements and how they advance the mission of the institution. We will review the document, break down its fundamental organization and components, and meet to review any questions.

Review and Evaluation of Existing Conditions

In renovating existing facilities, it is critical to examine the entire structure and not just the affected areas. We will provide an overall visual assessment of the interior and exterior of the building and site by all design team members. An assessment report, including a description of the present materials and systems, code review summaries, evaluation of existing conditions and defects, recommendations, and an estimate of budget/cost implications is provided to assist in the decision-making process. Often, field condition drawings need to be created or confirmed for accuracy and the assessment offers this opportunity. We then develop a list of applicable options that can be considered. These options are compared on a qualitative and quantitative basis, including use of sophisticated energy analysis software. Our team will use Building Information Modeling (BIM) for this project. The existing conditions model will be developed during this phase.

Development of Detailed Design and Construction Documents

With clarity of direction, fully developed design and construction documents are prepared. These documents reflect the full requirements of the program and the functional organization of the conceptual diagrams. Design tools such as Building Information Modeling (BIM) offer tremendous opportunity to document and communicate design solutions with virtual walkthroughs and renderings. These tools processes have actually modified the level of project development common to our industry. Project development in the early phases is accelerated from traditional drawing delivery. Our experienced engineers and designers perform design calculations, review applicable codes, and prepare construction drawings and specifications to allow the project to be competitively bid. The construction documents must be consistent with the project program, the construction budget, and the project schedule.

4.2.1 Concept



Integration of Technology and Engineering Systems

Engineering involvement occurs at each step of project development. Their involvement includes program review, evaluating impact issues and utilities, offering input on organizational issues and space requirements, and in the development of detailed design solutions. As the project progresses, the level of technical detail provided by the consultants increases accordingly. Coordination of these systems, including structural and MEP is also improved by current Building Information Modeling programs.

LEED

Paradigm Architecture and all of our consultants have experience with not only LEED and 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. Our projects have incorporated sustainable design elements in all facets of construction such as white roofs, energy efficient building envelopes, non irrigated landscaping, on site bio filtration systems, use of local and regional materials, indoor air quality, enhanced commissioning, building automation controls, occupancy sensors, energy recovery systems, and energy efficient mechanical systems, energy modeling, low flow plumbing fixtures, sunshades, and daylighting. We will begin reviewing opportunities to incorporate features such as these into your facility during the initial Program Verification and Existing Conditions Assessment. LEED Certification and green building techniques can improve the energy efficiency of the building and reduce long term life cycle costs. As a method of organization, we will utilize the LEED Checklist throughout all phases of the project's design and construction. An updated checklist will be part of the deliverables for each review package.



Jackson Kelly Building

Construction

The entire design team will have an active role in construction administration including shop drawing review and site visits to observe compliance with drawings and specifications. We believe the involvement of the designers and engineers during this phase allows for verification that the designed systems are installed as specified, thereby reducing occupant complaints and improving energy efficiency.

Client Involvement

The design process is very much a collaborative effort. Team members collaborate on virtually every aspect of the project. However, there is no more important guidance than the continual involvement of the client. Design meeting must be regular and foster an environment of cooperation and responsiveness. It is always good to stretch a client's thinking by presenting options, but it is equally important to listen and offer a solution that reflects the vision of the client.



Glenmark Offices

4.2.1 Concept



Critical Path Method

Paradigm Architecture has abundant experience in managing multiple projects with critical deadlines. Meeting these deadlines all starts with a clear definition of the schedule constraints. The ultimate project completion date is not the only date that should be targeted on the delivery schedule. Paradigm Architecture utilizes critical path method scheduling to define "Milestone" Dates for the entire project. These include deliverables dates for various phases, design time, Owner's review, Agency and Authority having Jurisdiction Review, procurement time, and construction time. Rather than viewing the schedule as a linear process, it is of utmost importance to determine those items that fall on the "critical path." If those deadlines are missed then the schedule must be adjusted immediately or the project will fall behind. We prefer to view the Schedule as a method of Monitoring and Control throughout the duration of the project. The entire design team and the Owner will be constantly informed and updated regarding schedule performance and corrective action will immediately be taken as necessary.



Glade Springs Resort



WVU Intermodal Garage

Fast Track

We have been involved with multiple project delivery types where time is of the essence and have the capability to perform Fast Track Delivery Services if necessary. With Fast Track Delivery, the project is broken up in multiple construction packages with early release dates. This allows construction to begin before the design has been complete or to allow phased occupancy of a large facility.

Glade Springs Clubhouse Addition



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

4.2.2 Firm/Team Qualifications



West Virginia University
Coliseum

- a. **Paul A. Walker, AIA, President**
Paradigm Architecture, Inc.
2223 Cheat Road, Suite 300
Morgantown, WV 26508
Phone: 304.284.5015
Fax: 304.284.5014
Email: pwalker@paradigm-arch.com

Signature: _____

A handwritten signature in black ink, appearing to read "Paul A. Walker", written over a horizontal line.



West Virginia University
Coliseum

- b. **Paradigm Architecture, Inc.**
Paul A. Walker, AIA — Principal-in-Charge | Design Architect
Todd G. Christopher, AIA — Project Manager
Jonathan L. Perry, AIA, LEED^{AP} — LEED Coordinator
David H. Snider, AIA — Specifications
Steve Konya II — Construction Administrator
Aaron White — CAD/BIM Manager | Production
Tyler Etris — Intern Architect | CAD/BIM Production

Allegheny Design Services — Structural Engineering

David R. Simpson, PE — Principal-in-Charge | Project Manager
Jason D. Robinson, EI — Structural Engineer
Daniel Stanislawski, EI — Structural Engineer

H. F. Lenz Company — Civil & MEP Engineers

Steven J. Gridley, PE — Principal-in-Charge
Joel C. Shumaker, PE, LEED^{AP} — Project Electrical Engineer
John M. Weiland, PE, LEED^{AP} — Mechanical Engineer
Steve J. Kormanik, CPD — Plumbing | Fire Protection Designer
Jeffrey A. McKendree, CET — Fire Protection Designer

See Team Resumes later in this section.



West Virginia University
Honors Dorm

4.2.2 Firm/Team Qualifications



Two Waterfront Place
Hotel & Conference Center



Two Waterfront Place
Hotel & Conference Center



Two Waterfront Place
Hotel & Conference Center

- c. **Team Expertise** — The following chart shows the areas of expertise for each firm.

SERVICES	P A R A D I G M	A D S	H F L E N Z
Architectural	✓		
Interior Design	✓		
Structural		✓	
Existing Conditions Evaluation	✓	✓	✓
Space Planning	✓		
Life Safety	✓		✓
Data/Communications			✓
Mechanical Systems			✓
Electrical Systems			✓
Fire Suppression/Fire Alarm/Smoke Control			✓
Exterior Restoration	✓	✓	
Commercial Renovation	✓	✓	✓
Construction Phasing	✓	✓	✓
LEED Guidelines	✓	✓	✓

- d. **Firm's Ability to Provide Services Within the Project Time Frame**

Paradigm Architecture is confident that we can provide a high level of service in a timely manner. We have historically managed multiple complex projects with significant construction budgets. See the "2008-2009 Project In-House chart in the following section — Paradigm Architecture.

- e. **Property of the Agency**

Paradigm Architecture and its consultants accept and fully understand that any and all work produced as a result of this contract will become property of the Agency and can be used or shared by the Agency as deemed appropriate.

4.2.2 Firm/Team Qualifications



*West Virginia University
Mountaineer Station*



*West Virginia University
Honors Dorm*

f. Design Conformance

Paradigm Architecture designs in conformance with all local, State, and Federal regulations applicable to the project. We have longstanding relationships with code officials and work closely with them throughout the life of the project.

We have 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, and are LEED Certified. In addition, our staff also completed the Charleston Federal Center and the Clarksburg Federal Center, both of which received Excellence on Construction Awards from the Associated Builders and Contractors while employed at other firms. The Charleston Federal Center also received the Development Project Special Recognition Award from the Charleston Renaissance Corporation. We have many active projects and strong client relationships as demonstrated by our repeat business with the Morgantown Waterfront Development and West Virginia University, Fairmont State University, and Davis & Elkins College.

Everyone is concerned with energy conservation, life cycle analysis, and green building techniques; and Paradigm Architecture is no different. We have completed two projects that are 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.

g. Disclosure of Ongoing Litigation or Arbitration

Paradigm Architecture has filed a formal complaint in Jefferson County, Alabama, for nonpayment for services rendered on one project. Otherwise, Paradigm Architecture and its staff have not been involved in any litigation or arbitration. Our firm and its staff are free from all obligations; interest and regulatory problems that might be or appear to give rise to any conflicts of interest.

Paul A. Walker, AIA

Principal-in-Charge / Design Architect



Mr. Walker has 29 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: medical, 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. Paul has extensive experience with government and major office renovations while working at other firms in WV, NC, and AL.

Architectural Registration

NCARB

WV / AL / FL / MS / NC

PA / SC

Education

University of Tennessee

Knoxville, TN

Bachelor of Architecture,
1982

Professional, Civic and Other Activities

American Institute
of Architects

Board Member
Chestnut Ridge Church

One Waterfront Place, West Virginia University, Morgantown, West Virginia;
Completed: Summer 2008; **Cost:** \$1.5 million

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

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

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

**Miscellaneous Renovations, Colebank Hall, Fairmont State University
Fairmont, West Virginia; Completed:** Winter 2007; **Cost:** \$1.5 Million

Office Building, United States Department of Agriculture, Morgantown, West Virginia
Completed: Summer 2009; **Cost:** \$6.5 Million (Shell)

Office Upfit, GSA Office Space, Marina Tower, Morgantown, West Virginia
Completed: Summer 2009; **Cost:** \$770,000

**Portico Renovations, Hardway Hall, Fairmont State University
Fairmont, West Virginia; Completed:** Fall 2010; **Cost:** \$333,200

Renovations and Additions, Canaan Valley Resort State Park, Davis, West Virginia
Estimated Completion: Fall 2013; **Cost:** \$25 Million

Office Building, KeyLogic Systems, Inc., Morgantown, West Virginia
Completed: Fall 2010; **Cost:** \$1.5 Million

Renovation and Addition, Pi Kappa Alpha, Morgantown, West Virginia
Completed: May 2010; **Cost:** \$1.6 Million

Morgantown Event Center and Parking Garage, Morgantown, West Virginia
Completed: Spring 2010; **Cost:** \$26.3 Million

Hotel and Conference Center, Two Waterfront Place, Morgantown, West Virginia
Completed: Spring 2004; **Cost:** \$4.1 Million

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

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

Todd G. Christopher, AIA

Project Manager



Mr. Christopher's responsibilities have included development of construction documents and drawings, project management, marketing presentations, bidding procedures, and construction administration. He has a combined ten 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.

Architectural Registration

NCARB

WV / NC

Office Building, United States Department of Agriculture, Morgantown, West Virginia
Completed: Summer 2009; **Cost:** \$6.5 Million (Shell)

Office Upfit, GSA Office Space, Marina Tower, Morgantown, West Virginia
Completed: Summer 2009; **Cost:** \$770,000

Education

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

Lodge Expansion, Cacapon Resort State Park, Berkeley Springs, West Virginia
Estimated Completion: TBD; **Cost:** \$22 Million

Renovations and Additions, Canaan Valley Resort State Park, Davis, West Virginia
Estimated Completion: Fall 2013; **Cost:** \$25 Million

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

Office Building & Warehouse, Pillar Innovations, Morgantown, West Virginia
Estimated Completion: Fall 2011; **Cost:** \$4.1 Million

Office Building, KeyLogic Systems, Inc., Morgantown, West Virginia
Completed: Fall 2010; **Cost:** \$1.5 Million

Professional, Civic and Other Activities

Pi Kappa Alpha Renovation and Addition, Morgantown, West Virginia
Completed: May 2010; **Cost:** \$1.6 Million

American Institute
of Architects

Master Plan, Star City Waterfront, Morgantown, West Virginia
Estimated Completion: Undetermined; **Cost:** Undetermined

U.S. Green Building Council

Office Upfit, Booz Allen Hamilton Office Space, Marina Tower, Morgantown, West Virginia
Completed: May 2010; **Cost:** \$200,000

AIA Peer Mentor
in conjunction with
UNC Charlotte
College of Arts + Architecture

**Discovery I Biomedical Research Facility,* University of South Carolina,
Columbia, South Carolina**
Completed: Winter 2008; **Cost:** \$12 Million

AIA Intern Development
Program Mentor

**Frank Thompson Theatre Renovation,* North Carolina State University
Raleigh, North Carolina**
Completed: Fall 2009; **Cost:** \$11.5 Million

Member, McGraw-Hill
Construction Architect Panel

**Expansion and Renovations, Women's/Oncology,* Catawba Valley Medical Center
Hickory, North Carolina**
Estimated Completion: Spring 2012; **Cost:** \$79 Million

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

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

Jonathan L. Perry, AIA, LEED^{AP}

LEED Coordinator



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.

Architectural Registration

NCARB

West Virginia | Alabama

One Waterfront Place, West Virginia University, Morgantown, West Virginia;
Completed: Summer 2008; Cost: \$1.5 million

Fairmont State University, Colebank Hall Data Center Build-Out, Fairmont, West Virginia
Completed: May 2007; Cost: \$400,000

Education

University of Alabama
at Birmingham
Birmingham, AL

Master of Engineering
in Construction Management
2009

Trinity Christian School, Morgantown, West Virginia
Completed: Summer 2005; Cost: \$8 Million

West Virginia University, Downtown Student Housing, Morgantown, West Virginia
Completed: Summer 2009; Cost: \$15.3 Million

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

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

Morgantown Event Center and Parking Garage, Morgantown, West Virginia
Completion: Spring 2010; Cost: \$26.3 Million

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

Politechnika Krakowska
Krakow, Poland
Semester Abroad, 1998

Fairmont State University, Colebank Hall Renovations, Fairmont, West Virginia
Completed: Winter 2007; Cost: \$1.5 Million

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

Professional, Civic and Other Activities

American Institute
of Architects

LEED Accredited
Professional

Construction Documents
Technologist

Fairmont State University, Hunt Haught Hall Renovations, Fairmont, West Virginia
Completed: 2008; Cost: \$233,000

Hampton Center Renovations, Morgantown, West Virginia
Completed: Fall 2007; Cost: \$619,000

Fairmont State University, Hardway Hall Portico Renovations, Fairmont, West Virginia
Completed: Summer 2010; Cost: \$333,200

Lecturer at University of
Alabama at Birmingham

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

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

David H. Snider, AIA

Architect/Specifications



Mr. Snider graduated from Auburn University with a degree in architecture and practiced in North Carolina before returning to his hometown of Birmingham, Alabama. As one of the founding members he has spent the last eleven years of his twenty-seven 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. David has extensive experience with healthcare facilities throughout the duration of his entire career and currently manages open-end contracts with Russell Medical Center and Lanier Memorial Hospital. These project types include cancer centers, medical office buildings, physical therapy, assisted living facilities, and major hospital renovations.

Architectural Registration

NC

AL—Pending

Education

Auburn University
Auburn, Alabama
Bachelor of Architecture
1984

Roofing Technology
The Roofing Industry
Educational Institute
1995

Professional, Civic and Other Activities

American Institute
of Architects

Office Building, United States Department of Agriculture, Morgantown, West Virginia
Completed: Summer 2009; **Cost:** \$6.5 Million (Shell)

Miscellaneous Renovations, Colebank Hall, Fairmont State University
Fairmont, West Virginia; Completed: Winter 2007; **Cost:** \$1.5 Million

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

Emergency Department Renovations, Russell Medical Center
Alexander City, Alabama

Completed: Spring 2008; **Cost:** \$1.5 Million

Addition and Renovations, Benjamin Russell High School, Valley, Alabama
Completed: Winter 2011; **Cost:** \$2.5 Million

West Virginia University, Milan Puskar Stadium, Touchdown Terrace Club Addition
Morgantown, West Virginia
Completed: Fall 2007; **Cost:** \$800,000

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

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

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

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

Lab Addition & Renovation, Russell Medical Center, Alexander City, Alabama
Completed: Spring 2005; **Cost:** \$650,000

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

Steve Konya II

Construction Contract 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 six 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

Portico Renovations, Hardway Hall, Fairmont State University Fairmont, West Virginia

Completed: Fall 2010; **Cost:** \$333,200

Renovations, WVU Stewart Hall, Morgantown, West Virginia

Completed: Winter 2008; **Cost:** \$250,000

Records Storage Facility, US Department of Energy, Office of Legacy Management Morgantown, West Virginia

Completed: Summer 2009; **Cost:** \$11 Million

Professional, Civic and Other Activities

Professional Photographers
of West Virginia

Lodge Expansion, Cacapon Resort State Park, Berkeley Springs, West Virginia

Completed: TBD; **Cost:** \$22 Million

Renovations and Additions, Canaan Valley Resort State Park, Davis, West Virginia

Estimated Completion: Fall 2013; **Cost:** \$25 Million

Window Replacement & Electrical Upgrade, Capital Improvements, Lakin Hospital Beckley, West Virginia

Estimated Completion: Spring 2012 **Cost:** \$626,000

Resort and Conference Center, Glade Springs, Daniels, West Virginia

Completed: Fall 2005; **Cost:** \$6 Million

Downtown Student Housing, West Virginia University, Morgantown, West Virginia

Completed: Summer 2009; **Cost:** \$15.3 Million

Office Building, United States Department of Agriculture, Morgantown, West Virginia

Completed: Summer 2009; **Cost:** \$6.5 Million (Shell)

Waterfront Marina and Boathouse Bistro, Morgantown, West Virginia

Completed: Summer 2007; **Cost:** \$4.2 Million

Office Building, Marina Tower, Morgantown, West Virginia

Completed: Winter 2008; **Cost:** \$10 Million (Shell)

Milan Puskar Stadium, Touchdown Terrace Club Addition, West Virginia University Morgantown, West Virginia

Completed: Fall 2007; **Cost:** \$800,000

Morgantown Event Center and Parking Garage, Morgantown, West Virginia

Completed: Spring 2010; **Cost:** \$26.3 Million

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

Aaron White

CAD/BIM Manager, Production



Mr. White's responsibilities have included development of construction drawings and documents and project management tasks. He was a custom, high-end residential carpenter for four years. He has project management experience in commercial carpet for two years and commercial casework for two years. He has a combined nine years of experience in commercial architecture and has been with Paradigm Architecture for three years. Project types have included healthcare, commercial, corporate, educational, hospitality, institutional, residential, and retail.

Education

Morris County Vocational/
Technical School
Denville, NJ
Certificate in Computer-Aided
Drafted/Design, 1990

Records Storage Facility, Office of Legacy Management, United States Department of Energy, Morgantown, West Virginia

Completed: Summer 2009; **Cost:** \$8 Million (Shell)

Morgantown Event Center and Parking Garage, Morgantown, West Virginia

Completion: Spring 2010; **Cost:** \$26.3 Million

Office Building, United States Department of Agriculture, Morgantown, West Virginia

Completed: Summer 2009; **Cost:** \$6.5 Million (Shell)

Intermodal Garage, West Virginia University , Morgantown, West Virginia

Completed: Fall 2009; **Cost:** \$14.5 Million

Lodge Expansion, Cacapon Resort State Park, Berkeley Springs, West Virginia

Completed: TBD; **Cost:** \$22 Million

Renovations and Additions, Canaan Valley Resort State Park , Davis, West Virginia

Estimated Completion: Fall 2013; **Cost:** \$25 Million

Master Plan, West Virginia School of Osteopathic Medicine, Lewisburg, West Virginia

Completed: Spring 2011

Office Building, KeyLogic Systems, Inc., Morgantown, WV

Completed: Fall 2010; **Cost:** \$1.5 Million

Office Building & Warehouse, Pillar Innovations, Morgantown, West Virginia

Estimated Completion: Fall 2011; **Cost:** \$4.1 Million

Greenhouse, West Virginia University, Morgantown, West Virginia

Estimated Completion: Spring 2012; **Cost:** ≈\$8.8 Million

Marina Tower—Fourth Floor, West Virginia University, Morgantown, West Virginia

Completed: Winter 2010; **Cost:** \$395,400

Tyler Etris

Intern Architect, CAD/BIM Production



Mr. Etris' responsibilities have included development of schematic design, design development, and construction drawings. While a student at the University of Tennessee, he taught AutoCAD and 3dsMax and other computer skills. He has been with Paradigm since 2007 and has provided marketing support for proposals and presentations. Project types have included healthcare, commercial, corporate, educational, hospitality, institutional, and retail.

Education

University of Tennessee
College of Architecture
NAAB Accredited Program
Bachelor of Architecture,
2011

Krakow Polytechnic
University
Krakow, Poland
Spring 2010

Honors | Awards

Architecture Scholarships

WV AIA Scholarship: 1st
Place

Trevor S. Lee Memorial
Scholarship

Mark Freeman Scholarship

Christine Lynch Scholarship

Center for International
Education Scholarship

Floyd Clingenpeel
Engineering Award

published essay: *Public
Space in the Housing
Environment within Krakow*

WV Promise Scholarship

Mountaineer Scholarship

ACSI Leadership and Service
Award

Service

AIAS

BCM Image Director, 2009

Habitat for Humanity

Window Replacement & Electrical Upgrade, Capital Improvements, Lakin Hospital Beckley, West Virginia

Estimated Completion: Spring 2012 **Cost:** \$626,000

Office Building, United States Department of Agriculture, Morgantown, West Virginia

Completed: Summer 2009; **Cost:** \$6.5 Million (Shell)

Morgantown Event Center and Parking Garage, Morgantown, West Virginia

Completed: Spring 2010; **Cost:** \$26.3 Million

Downtown Student Housing, West Virginia University, Morgantown, West Virginia

Completed: Summer 2009; **Cost:** \$15.3 Million

Office Building, KeyLogic Systems, Inc., Morgantown, West Virginia

Completed: Fall 2010; **Cost:** \$1.5 Million

Resort and Conference Center, Glade Springs, Daniels, West Virginia

Completed: Fall 2005; **Cost:** \$6 Million

Lodge Expansion, Cacapon Resort State Park, Berkeley Springs, West Virginia

Estimated Completion: TBD; **Cost:** \$22 Million

Intermodal Garage, West Virginia University, Intermodal Garage Morgantown, West Virginia

Completed: Fall 2009; **Cost:** \$14.5 Million

Master Plan, West Virginia School of Osteopathic Medicine, Lewisburg, West Virginia

Completed: Spring 2011

Office Building & Warehouse, Pillar Innovations, Morgantown, West Virginia

Estimated Completion: Fall 2011; **Cost:** \$4.1 Million

Greenhouse & Labs, West Virginia University, Morgantown, West Virginia

Estimated Completion: Spring 2012; **Cost:** ≈\$8.8 Million

Renovations and Additions, Canaan Valley Resort State Park, Davis, West Virginia

Estimated Completion: Fall 2013; **Cost:** \$25 Million

New Facility, South Ridge Church, Fairmont, West Virginia

Estimated Completion: Summer 2012; **Cost:** \$2.8 Million

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



Allegheny Design Services

Structural & MEP Engineering

102 Leeway Street
Morgantown, WV 26505
Phone: (304)599-0771
E-Mail: Dave@AlleghenyDesign.com
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
Ohio
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
Peter Vallas Associates, Inc. "Fire Investigation Certification" – July 16, 2010 – Ft. Lauderdale, FL

Professional Experience:

Responsible for project management and design at Allegheny Design Services. Experience includes over 30 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
Morgantown Event and Conference Center, Morgantown, WV
Allegheny Energy Transmission Center, Fairmont 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

102 Leeway Street

Morgantown, WV 26505

Phone: (304)599-0771

E-mail: Jason@AlleghenyDesign.com

Web: www.AlleghenyDesign.com

Jason D. Robinson, E.I. Structural Engineer

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 #86699

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
Fairmont AFRC, Fairmont, 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
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 20, 2007
ASCE - Reinforced Masonry: Design and Construction - November 8, 2007
TSN - Cold-Formed Steel Seminar – Load Bearing and Curtain Wall Systems - December 4, 2008
Lincoln Electric Co. - Blodgett's Welding Design Seminar - October 13-16, 2009



Allegheny Design Services

Structural & MEP Engineering

102 Leeway Street
Morgantown, WV 26505
Phone: (304)599-0771
E-mail: Daniel@AlleghenyDesign.com
Web: www.AlleghenyDesign.com

Daniel Stanislowski, E.I.T. Structural Engineer

Education:

Virginia Military Institute
B.S. Civil & Environmental Engineering

West Virginia University
M.S. Civil Engineering

Awards/Achievements/Organizations:

Deans List
Member of Tau Beta Pi
Thesis, Structural Response and Finite Element Modeling of Hakka Tulou Rammed Earth Structures

Professional Registrations:

Virginia, Engineering in Training (EIT) License, Candidate #0420 059510

Professional Experience:

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

Experience record:

WVU Hospital AHU Support, Morgantown, WV
Stockmeier Urethanes Chiller Platform, Clarksburg, WV
Davis House Framing, Morgantown, WV
BMP Spreader Beam Design & Analysis, Bransville, PA
Jerry Dove Partition Wall Support, Bridgeport, WV
WVU Foundation Floor Analysis, Morgantown, WV
BFS Addition Don Knotts Blvd., Morgantown, WV
NOAA GOES-r Shoring/Support System, Bridgeport, WV
Lewis County Military Museum, Weston, WV
First Ward School Rehabilitation, Elkins, WV
Fairmont State University Turley Center Rehabilitation, Fairmont, WV
University Towne Center Chevy Buick, Morgantown, WV



Mr. Gridley is responsible for the master planning and design of government office buildings, college and university facilities, health care facilities, data operations centers, commercial office buildings, utility systems, and renovation/retrofit of historic buildings. He is experienced in the design of chilled water, steam, hot water, refrigeration, air distribution, heat recovery and control systems, uninterruptible power supplies, underground power distribution systems, and interior building distribution systems of all types including building lighting, building security and surveillance, fire protection, normal and emergency power distribution, communication systems, and computer power systems.

West Virginia State Capitol
Charleston, West Virginia
New 4,800-ton central chilled water plant and distribution loop to seven buildings

West Virginia State Office Building
Clarksburg, West Virginia
New 5-story, 100,000 sq.ft. office building to house multiple government agencies

U.S. General Services Administration
Charleston, West Virginia
New 2-story office building to house the FBI

U.S. General Services Administration
Sabraton (USDA)
Morgantown, West Virginia
Tenant-fit out of approximately 40,000 sq.ft. of a GSA-leased building to be utilized by the U.S. Department of Agriculture. The fit-out space consists mainly of offices, conference areas, lobbies, mailroom, credit union, computer center, and storage space - LEED™ Certified

West Virginia University
Morgantown, West Virginia
– 124,000 sq.ft. addition and 86,000 sq.ft. renovation to the Charles Wise Library
– New 54,000 sq.ft. Alumni Center
– 33,000 sq.ft. addition to the Agricultural Sciences Building
– Engineering Sciences Building Renovation
– Relocation of Campus Support Services
– White Hall Renovations

Education

Bachelor of Science, Architectural Engineering, 1979, Pennsylvania State University

Experience

H.F. Lenz Company 1979 – Present

Professional Registration / Certification

Licensed Professional Engineer in all 50 states and DC

Professional Achievements and Affiliations

First Place, 1987 ASHRAE International Energy Award • National Society of Professional Engineers • Pennsylvania Society of Professional Engineers • Professional Engineers in Private Practice • American Society of Heating, Refrigerating and Air-Conditioning Engineers • Building Officials Code Administrators International • National Fire Protection Association

Mellon Independence Center
Philadelphia, Pennsylvania
Renovation/restoration of an 890,000 sq.ft. historic high-rise office building

Market Street State Office Building
Harrisburg, Pennsylvania
New 450,000 sq.ft. 16-story high-rise office building

The Frick Building
Pittsburgh, Pennsylvania
Renovation of a 350,000 sq.ft., 22-story historic high-rise office building

Grant Building
Pittsburgh, Pennsylvania
Mechanical/electrical evaluation and design of improvements

Reed Smith Shaw & McClay Law Library
Pittsburgh, Pennsylvania
New library for a 300-member law firm in an historic building

Erie International Airport
Customs Building Addition
Erie, Pennsylvania
Complete HVAC, Plumbing, and Electrical design for a new office addition at the existing Customs Building



Mr. Shumaker is experienced in the design of electrical systems for both new buildings and building retrofits for health care, educational, 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. As an electrical project engineer, Mr. Shumaker is responsible for client contact, project scheduling, preparation of reports and cost estimates, coordination and supervision of project design teams, and other project management functions. His project experience includes:

West Virginia State Office Building
Clarksburg, West Virginia
New 5-story, 100,000 sq.ft. office building to house multiple government agencies

U.S. General Services Administration
Charleston, West Virginia
New 2-story office building to house the FBI

U.S. General Services Administration
Sabraton (USDA)
Morgantown, West Virginia
Tenant-fit out of approximately 40,000 sq.ft. of a GSA-leased building to be utilized by the U.S. Department of Agriculture. The fit-out space consists mainly of offices, conference areas, lobbies, mailroom, credit union, computer center, and storage space - LEED™ Certified

West Virginia University
Morgantown, West Virginia
– *124,000 sq.ft. addition and 86,000 sq.ft. renovation to the Charles Wise Library*
– *New 54,000 sq.ft. Alumni Center*
– *33,000 sq.ft. addition to the Agricultural Sciences Building*
– *Engineering Sciences Building Renovation*
– *Relocation of Campus Support Services*
– *White Hall Renovations*

Social Security Administration
Wilkes-Barre, Pennsylvania
New 250,000 sq.ft data operations center

EPS Data Center
Wilmington, Delaware
New data operations center

Cellomics, Inc.
Pittsburgh Technology Center
Pittsburgh, Pennsylvania
New high-tech headquarters and laboratory/research facility

Reliant Energy
Johnstown, Pennsylvania
New fire alarm system in main office building annex

PictureTel Corporation
100 Minuteman Drive
Andover, Massachusetts
Fit-out of research and development laboratories and supporting office space totaling 330,000 sq.ft for the development and manufacturing of video conferencing equipment.

Pennsylvania State University
University Park, Pennsylvania
New 115,000 sq.ft. School of Architecture and Landscape Architecture - LEED Gold

Slippery Rock University
Slippery Rock, Pennsylvania
New 79,424 sq.ft. science and technology building

Education

Bachelor of Science, Electrical Engineering Technology, 1993, University of Pittsburgh at Johnstown

Experience

H.F. Lenz Company 1985 - Present

Professional Registration / Certification

Licensed Professional Engineer in Pennsylvania, West Virginia and Maryland

Professional Affiliations

Association of Physical Plant Administrators • National Society of Professional Engineers • Pennsylvania Society of Professional Engineers • Southern Building Code Congress International



Mr. Weiland has several years experience in the design of HVAC systems. His responsibilities have included design calculations, equipment selection, schematic and construction document design, specification writing, and life cycle cost analyses. His experience includes the design of mechanical systems for primary and secondary educational facilities as well as hospitals. His project experience includes:

West Virginia State Office Building
Clarksburg, West Virginia
New 5-story 100,000 sq.ft. office building to house multiple government agencies

West Virginia University
Morgantown, West Virginia
– *New 54,000 sq.ft. Alumni Center with office/conference room, dining and convention space*
– *New two-story, 38,000 sq.ft. addition to the Agriculture Sciences Building; the new space included research and teaching facilities, office space for faculty, and a state-of-the-art lecture hall that seats 250*
– *Renovation of White Hall*

West Virginia Radio Corporation
Morgantown, West Virginia
New 7,200 sq.ft. building housing a radio studio and office space

Westmoreland County Community College
New Kensington, Pennsylvania
New academic building

Pennsylvania State University
University Park, Pennsylvania
New 115,000 sq.ft. School of Architecture and Landscape Architecture - LEED™ Gold

St. Vincent College
Latrobe, Pennsylvania
Feasibility study and design services for the renovation and addition to the existing science complex, consisting of four buildings; the complex houses the chemistry, biology, physics,

and computer science departments – LEED Gold

Slippery Rock University
Butler County, Pennsylvania
Replacement of Vincent Science Building New 95,000 sq.ft. science building with energy recovery and variable volume lab controls, auditorium, and classroom spaces

West Liberty State College
West Liberty, West Virginia
Main Hall HVAC renovations

Big Spring School District
Newville, Pennsylvania
District administration office

Indiana University of Pennsylvania
Indiana, Pennsylvania
– *University Housing Master Plan*
– *Student Housing Phase I - 294,000 sq.ft. – LEED Certified*
– *Student Housing Phase II - 409,000 sq.ft. – LEED Certified*
– *Student Housing Phase III - 369,000 sq.ft. – LEED Certified*
– *Student Housing IV 255,000 sq.ft. – LEED Certified*

Allegheny College
Meadville, Pennsylvania
New design/build 230-bed 77,000 sq.ft. North Village Student Housing Phase II project, being designed to attain LEED Certification

Education

Bachelor of Architectural Engineering, 2002, Pennsylvania State University

Experience

H.F. Lenz Company 2002 - Present

Professional Registration / Certification

Professional Engineer in Pennsylvania; LEED™ Accredited Professional

Professional Affiliations

ASHRAE – Johnstown, PA Chapter



Mr. Kormanik has designed complete plumbing and sprinkler systems for laboratories, hospitals, colleges, schools, office buildings, industrial facilities, prisons, and military installations. He is responsible for plumbing and sprinkler system design, layout, calculations; selection and sizing of equipment; cost estimates; and site surveys. He is knowledgeable of all applicable plumbing codes. He 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. Kormanik also conducts evaluations and prepared reports of existing plumbing and sprinkler systems for commercial and institutional facilities. His project experience includes:

U.S. General Services Administration
Sabraton (USDA)
Morgantown, West Virginia
Tenant-fit out of approximately 40,000 sq.ft. of a GSA-leased building to be utilized by the U.S. Department of Agriculture. The fit-out space consists mainly of offices, conference areas, lobbies, mailroom, credit union, computer center, storage space and a loading dock. LEED™ Certified

West Virginia University
Charles Wise Library
Morgantown, West Virginia
124,000 sq.ft. addition and 86,000 sq.ft. renovation to existing facility

Market Street State Office Building
Harrisburg, Pennsylvania
Complete plumbing design for a new 16-story, 446,000 sq.ft. office building

Kennametal, Inc.
Solon, Ohio
Complete plumbing design for a 180,000 sq.ft. office/manufacturing facility

Pennsylvania State University
University Park, Pittsburgh
New 115,000 sq.ft. SALA building Project goal LEED™ Gold

Education

Associate, 1983, Interior Design

Experience

H.F. Lenz Company 1985 - Present

Professional Registration / Certification

Certified in Plumbing Design, ASPE
Certified Plumbing Plans Examiner (BOCA)
Certified Plumbing Inspector (BOCA)

GPU Energy, Penelec Corporate Headquarters
Johnstown, Pennsylvania
New underground water service and complete plumbing design for a headquarters renovation

Federal Correctional Institution
Loretto, Pennsylvania
Plumbing systems design for additions to cell block, maintenance building, and office building

The Pennsylvania State University
McKeesport, Pennsylvania
New Student Center including a full-service food service facility, cafeteria, bookstore, health suite, student government offices, game room, large multi-purpose room, and lecture hall designed with capability to house multi-media productions such as teleconferences and distance learning program

Westmoreland Hospital
Greensburg, Pennsylvania
Plumbing and fire protection design for a new four-story medical office building

U.S. Army Reserve Aviation Facility
Johnstown, Pennsylvania
Complete plumbing and fire protection design for a new multi-building reserve center including a training building and various support buildings.



Mr. McKendree is a graduate of Eastern Kentucky University's Fire and Safety Engineering program, a program of distinction in the Commonwealth of Kentucky as certified by the Commonwealth of Kentucky Board of Higher Education. Mr. McKendree's experience prior includes conducting site inspections for emergency incident planning in Lower Paxton Township in suburban Harrisburg, Pennsylvania. Typical sites included educational, industrial, manufacturing, and mercantile properties. These plans have been utilized to protect lives and property from the effects of fire through the use of NFPA and local standards for safety.

He is fully knowledgeable of NFPA standards and is experienced in the design of wet, dry, preaction, deluge, and special application fire protection systems. He is responsible for sprinkler system design, layout, and calculations; selection and sizing of fire protection equipment; cost estimates; and site survey work. Mr. McKendree coordinates with other trades, municipal fire protection authorities, utility companies, and with the Project Engineer and project Architect. Mr. McKendree has been involved in the design of fire protection systems for the following projects:

West Virginia State Office Building
Clarksburg, West Virginia
New 5-story 100,000 sq.ft. office building to house multiple government agencies

U.S. General Services Administration
Charleston, West Virginia
New 2-story, 21,000 sq.ft. office building to house a government agency

U.S. General Services Administration
Sabraton (USDA)
Morgantown, West Virginia
Tenant-fit out of approximately 40,000 sq.ft. of a GSA-leased building to be utilized by the U.S. Department of Agriculture. LEED™ Certified

The Pennsylvania State University
University Park, Pennsylvania
New 115,000 sq.ft. School of Architecture and Landscape Architecture building with classrooms, studios, and modern studio offices – has attained LEED Gold

West Virginia University
Morgantown, West Virginia
– Complete fire protection for a 124,000 sq.ft. addition and renovation of the 86,000 sq.ft. Charles Wise Library
– New 54,000 sq.ft. Alumni Center
– Renovation of White Hall
– Addition to Agricultural Sciences Building

FedEx Ground
Pittsburgh, Pennsylvania
Complete design services for a new five-story office building

Mellon Financial Corporation
Pittsburgh, Pennsylvania
Fire protection design for a new 750,000 sq.ft. Client Service Center

Cisco Systems, Inc.
Salem, New Hampshire
Mechanical/electrical retrofit of 650,000 sq.ft. office and manufacturing facility

Education

Bachelor of Science Degree, Fire and Safety Engineering, 1999, Eastern Kentucky University
Associate of Arts Degree, Fire Science Technology, 1997, Harrisburg Area Community College

Experience

H.F. Lenz Company June 1999 – present
Paxtonia Fire Company incident preplanning committee August 1995 - August 1997

Professional Registration / Certification

NICET Level III in Fire Protection Engineering Technology / Automatic Sprinkler System Layout



Mr. Blackner is responsible for the complete layout, design and detailing of building structural systems. He has diverse experience in the structural analysis and design of projects involving steel, engineered masonry, reinforced cast-in-place concrete, pre-cast/pre-stressed concrete and wood frame structures. His experience includes manufacturing facilities, industrial plants, office buildings, colleges and universities, and healthcare facilities. He has participated in site surveys and construction administration services. His project experience includes:

Equinix Data Center
Secaucus, New Jersey
Phase III (52,000 sq.ft.) expansion of a state-of-the-art Internet data center including all coordination with MEP systems and design of support structures for Liebert UPS modules and other equipment

Fortune 200 Insurance Company
Central Ohio
Structural design for a new \$88 million, 114,000 sq.ft. Tier IV data center; included support structures for twelve (12) Liebert NXL 750 kVA UPS modules; Project goal is LEED Gold

Science Park Data Center
Major Research University
Eastern United States
Structural analysis of existing penthouse

Carnegie Mellon University
Software Engineering Institute Data Center
Pittsburgh, Pennsylvania
Structural design for a cantilever roof structure to support new mechanical equipment and cooling towers

EDMC Data Center
Greater Pittsburgh Area
Structural planning and design of a 12,000 sq.ft. data center build-out

Education

Associate, Mechanical Engineering Technology, 1988, Pennsylvania State University
Associate, Architectural Engineering Technology, 1988, Pennsylvania State University

Experience

H.F. Lenz Company 1998 – Present / L. Robert Kimball & Associates 1995 – 1998 / George D. Zamias Developer 1989 – 1995

Professional Certification

Licensed Professional Engineer in Pennsylvania • Connecticut • Georgia • Maine • Maryland • Massachusetts • New York • North Carolina

Professional Affiliations

American Institute of Steel Construction

Robinson & McElwee Law Office Building
Charleston, West Virginia
New four story steel frame office building with composite beam floor construction. Due to the close proximity of the property lines, the foundation system consisted of a mix of caissons, auger cast piles and grade beams. The enforced building code was IBC2000.

West Virginia University Medical Center
Ruby Memorial Hospital
Morgantown, West Virginia
New eight-story medical building with a three-story vertical addition on a portion of the existing four-story building; Both buildings are connected via a three story skyway; All framing is structural steel with a caisson and grade beam foundation system

University of Charleston
Brotherton Hall
Charleston, West Virginia
Four-story dormitory building constructed of pre-cast hollow core plank on masonry bearing walls and miscellaneous steel framing

Grave Creek Mound Archaeological Complex
Moundville, West Virginia
New 10,000 sq.ft addition. The new steel bar joist roof structure and supporting engineered masonry walls were designed to be completely independent of the existing structure in order to satisfy the seismic requirements of the IBC2000 Building Code



Mr. Kohler has over 30 years of experience and has been directly involved in 7 indefinite delivery contracts with the Baltimore District Corps of Engineers and design of numerous military facility projects. Mr. Kohler is responsible for the evaluation, planning, and development of industrial and commercial sites ranging from several acres to several hundred acres. He is also experienced in boundary and topographic surveys, highway and bridge design, building structures, water systems, and municipal engineering. His project experience includes:

Letterkenny Army Depot
Chambersburg, Pennsylvania
Project Manager for five IDCs; Projects include: Depot-wide water distribution system evaluation; Rehabilitation of industrial waste treatment pump stations and sewage lift stations; Erosion and sedimentation control plan for ammunition storage area

West Virginia University
Evansdale Campus Utility Survey
Campus utility survey including identification and documentation of all underground and overhead utilities encompassing 450 acres

West Virginia University
Morgantown, West Virginia
Engineering study for the retrofit of a 100,000 sq.ft. laboratory building

Harpers Ferry National Historical Park
Harpers Ferry, West Virginia
Site analysis and program development for a museum and archaeological regional storage facility

U.S. Army Reserve Aviation Facility
Johnstown, Pennsylvania
New multi-building, 120,000 sq.ft. reserve complex

Raytheon Company
Phoenix Missile Final Assembly
and Checkout Facility
Chambersburg, Pennsylvania
Site development and structural design

Federal Correctional Institution
Loretto, Pennsylvania
New one-mile perimeter roadway, high-intensity roadway lighting, site utilities, and security upgrade including building additions

Pennsylvania State University
University Park, Pennsylvania
Civil services including site utilities for:
– *New 132,000 sq.ft. Food Science Building*
– *New 115,000 sq.ft. SALA building*
– *New 44,000 sq.ft. Career Services building*
– *35,000 sq.ft. addition and 10,000 sq.ft. existing Alumni Center*

Slippery Rock University
Slippery Rock, Pennsylvania
New 79,424 sq.ft. science and technology building

Kennametal, Inc.
Machining Systems Division
Solon, Ohio
New underground utilities and site development for new 180,000 sq.ft. plant/office

Lockheed Martin AeroParts
Johnstown, Pennsylvania
Site utilities and civil engineering design for 60,000 sq.ft. new plant/office

United States Postal Service
Pennsylvania and West Virginia
Project Manager for over 300 various repair and alteration projects under nine IDCs

Education

Bachelor of Science, Civil Engineering Technology 1977, University of Pittsburgh at Johnstown

Experience

H.F. Lenz Company 1978 - Present

Professional Registration / Certification

Licensed Professional Engineer in Pennsylvania • Ohio • Maryland • Virginia • West Virginia

Professional Affiliations

American Society of Highway Engineers • American Institute of Steel Construction

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:

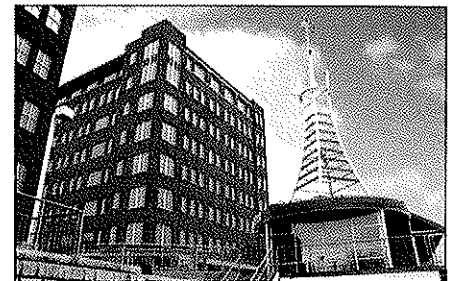
This represents our highest ideals...
that our architecture would serve as an example
that our client service would serve as an example
that our service to our God would serve as an example.

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/BIM technicians, and two administrative assistants. We utilize the most current technical hardware and software including AutoCAD, Revit, 3D site and building rendering programs, and Spec-link 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.



*Two
Waterfront
Place*

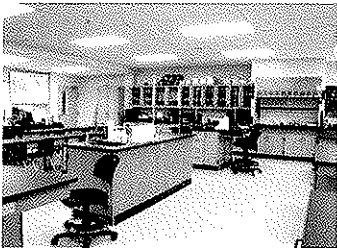


Waterfront Marina

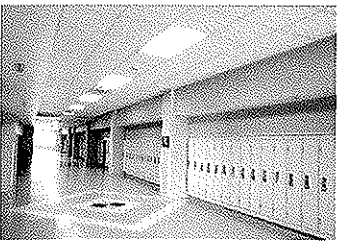


Para-digm - (pär'e-dīm') *n.* An example that serves as pattern or model.

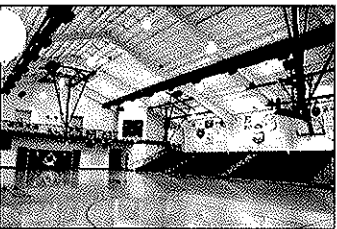
Firm Profile



Trinity Christian School



Trinity Christian School



Trinity Christian School

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.

Healthcare/Institutional

Medical and retirement life care projects dominate our staff's institutional portfolio. Medical projects include master planning, 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.

Educational

Educational experience includes administrative office space, parking facilities, student housing, libraries, student centers, athletic facilities, master planning, classrooms, and research laboratory facilities. We have worked on campuses that include: WV School of Osteopathic Medicine, 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.

Master Planning

Paradigm Architecture has successfully completed master planning for the Waterfront Development and Trinity Christian School, in Morgantown, Avery Court in Parkersburg, and Glade Springs Resort, in Daniels. In addition, we have performed master planning for Asian Plaza in Birmingham, AL, and have recently updated the master plan for Russell Medical Center in Alexander City, AL, as well as the West Virginia School of Osteopathic Medicine in Lewisburg, WV.



Trinity Christian School

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

Firm Profile



Food Service

We have been privileged to design many Food Service facilities. These include many private restaurants as well as large, full service commercial catering kitchens and banquet facilities accommodating up to 1,500 guests at a time. Examples of these facilities include Two Waterfront Place Hotel and Conference Center, Morgantown Event Center, Regatta Bar and Grille, Rat Pack Lounge, Boathouse Bistro, Sargasso Restaurant, Trussville Family Center, Mountaintop Community Church's Family Life Center, and Shono's Restaurant. In addition, we are currently designing additions and renovations to Cacapon Resort, which includes updating the existing commercial kitchen and dining facilities.

Corporate

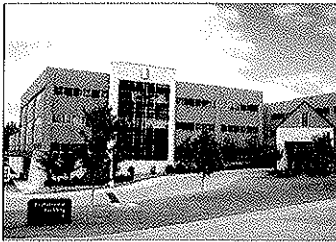
Paradigm has designed entire office buildings as well as tenant fit-up spaces for clients such as Jackson Kelly PLLC, A.G. Edwards, Acordia, Petroplus & Associates Inc., National Biometric Security Project, Simpson & Osborne, DMJM Harris, and the West Virginia University Foundation. Projects also include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

Governmental

Members of Paradigm have been involved in various government projects at the Federal, State, and Local levels. Federal Clients include the GSA, Social Security Administration, Federal Bureau of Investigation, Drug Enforcement Agency, Small Business Administration, Mine Safety and Health Administration, USDA, and DOE. These projects range from new construction for new buildings to tenant fitups in shell buildings. State and local agencies include Department of Natural Resources, multiple higher education clients, Morgantown Chamber of Commerce, and Trussville City Hall.

Multi-Family Housing

Paradigm's multi-family housing 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. West Virginia University Downtown Student Housing, the Condominiums at Two Waterfront Place in Morgantown, WV, as well as the Glade Springs Resort and Conference Center in Daniels, WV, are a few examples.



Russell Medical Center



Glenmark Office Building



WVU
Downtown
Student
Housing



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

Sustainable Design



LEED / Green Building

Today, everyone is concerned with energy conservation, life cycle analysis, and green building techniques; and Paradigm Architecture is no different. We have completed two projects that are or will be LEED Certified.

U.S. Department of Energy Office of Legacy Management, Morgantown, WV
LEED Gold Certified — Core & Shell
LEED Gold Certified — Commercial Interiors

U.S. Department of Agriculture Office Building, Morgantown, WV
LEED Certified



These projects have incorporated sustainable design elements in all elements of construction such as white roofs, energy efficient building envelopes, non irrigated landscaping, on site bio filtration systems, use of local and regional materials, indoor air quality, enhanced commissioning, building automation controls, occupancy sensors, energy recovery systems, and energy efficient mechanical systems, energy modeling, low flow plumbing fixtures, sunshades, and daylighting.

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. An example of this includes the Morgantown Event Center and Garage. Although it was originally designed for LEED Certification, the Owner decided not to pursue. As a method of organization, we will utilize the LEED Checklist, even though the Owner does not want to pursue 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.



U.S. Department of Energy



U.S. Department of Agriculture

Par-a-digm - (pär´e-dīm´) n. An example that serves as pattern or model.

Honors & Awards



WVU Transportation Center
& Garage



Upper Monongahela
River Center

Upper
Monongahela
River
Center

Excellence in Construction by the Associated Builders & Contractors, Inc.

- 2010 – Morgantown Event Center
Morgantown, WV
- 2010 – GSA USDA Office Building
Morgantown, WV
- 2010 – WVU Transportation Center
and Garage, Morgantown, WV
- 2007 – Waterfront Marina
Morgantown, WV
- 2007 – Chestnut Ridge Church
Morgantown, WV
- 2004 – Madden Student Center at
Davis and Elkins College, WV
- 2004 – Two Waterfront Place Hotel
And Conference Center
Morgantown, WV
- 2003 – The Jackson Kelly Building
Morgantown, WV
- 2001 – Russell Cancer Center
Alexander City, AL

Alabama Masonry Institute

- 2004 – Top Block Award—Russell
Professional Office Building III
Alexander City, AL

Main Street Morgantown

- 2008 – Best New Construction Award
Marina Tower, Morgantown, WV
- 2008 – Best New Office Award, Spilman
Thomas Battle, Morgantown, WV

Pittsburgh Corning Glass Block

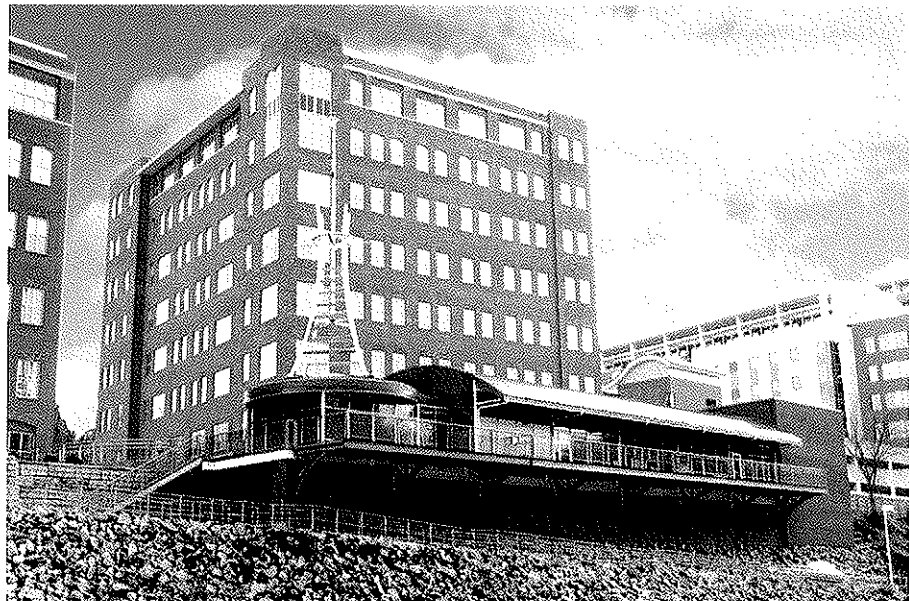
- 2004 – Circle of Design Excellence
Award
Lightning Strikes Family Fun
Center, Trussville, AL

West Virginia American Institute of Architects

- 2010 – Honor Award, Upper
Monongahela River Center
Morgantown, WV
- 2010 – Merit Award, West Virginia
University Transportation Center
and Garage, Morgantown, WV

International Parking Institute Awards of Excellence

- 2011 — Honorable Mention, Mountaineer Station (WVU Transportation Center), Morgantown, WV



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

Renovation Experience



Paradigm Architecture has a solid history of renovation projects, many of which have been for repetitive clients. Our clients can testify to our attention to detail and successful project management on their renovations, most of which have required the existing facilities to remain operational during construction. Our approach to renovations work typically involves an initial assessment of the existing facility, identifying critical needs, operational issues, life safety, potential environmental concerns, and infrastructure requirements. Next we will assist the client in conducting a feasibility study. Our feasibility studies will include cost estimating and phased planning scenarios for construction sequencing.

West Virginia University

Milan Puskar Stadium Touchdown Terrace Addition
Milan Puskar Stadium Concession Stand Addition
Multiple Coliseum Renovations
Stewart Hall General Counsel Renovations
Data Center Relocation Study
Creative Arts Center – Construction Administration
One Waterfront Place Space Planning and Reconfiguration

Fairmont State University

Data Center Expansion
Colebank Hall Renovations
Hunt Haught Hall Entrance Stairway Renovations
Hardway Hall Renovations
Education Building Renovations
McAteer Building Feasibility Study
East-West Stadium Feasibility Study
Morrow Hall Renovations Feasibility Study
Parking Garage Facilities Assessment
Roofing Evaluations on Multiple Facilities

Glade Springs Resort

Hotel and Conference Center Addition/Renovation
Clubhouse Renovation
Leisure Center

Russell Medical Center

Dialysis Suite
Satellite Lab
Lab Addition and Renovation
MRI
Sleep Lab
Physical Therapy
Emergency Department Renovations

WV Division of Natural Resources

Cacapon Resort State Park Lodge Expansion
& Park Improvements
Canaan Valley Resort & Conference Center Renovations

Fairmont State University

Data Center Expansion
Colebank Hall Renovations
Hunt Haught Hall Entrance Stairway Renovations
Hardway Hall Renovations
Education Building Renovations
McAteer Building Feasibility Study
East-West Stadium Feasibility Study
Morrow Hall Renovations Feasibility Study
Parking Garage Facilities Assessment
Roofing Evaluations on Multiple Facilities

West Virginia Department of Health and Human Services

Window Replacement & Electrical Upgrade, Capitol Improvements, Lakin Hospital, West Columbia
Electrical System Upgrade, John Manchin Sr. Health Care Facility, Fairmont
Mechanical & Electrical Systems Upgrade, Hopemont Hospital, Terra Alta
HVAC & Electrical Systems Upgrade, Welch Community Hospital, Welch
HVAC Renovations, Mildred Mitchell-Bateman Hospital, Huntington
Mechanical Systems Upgrade, Jackie Withrow Hospital, Beckley
HVAC Renovations, William R. Sharpe Jr. Hospital, Weston

Lanier Memorial Hospital

Cardiopulmonary / Pharmacy Renovations
ICU Renovations
Emergency Department Renovations

Record of Accuracy



Project	A/E Budget	Bid Price	Change Orders	Comments
FSU Hardway Hall Portico Renovations	\$350,000	\$333,200		
FSU Colebank Hall Renovations	\$773,395	\$716,500	\$50,450	Owner requested changes in scope, adjustments to allowances
Morgantown Event Center	\$21.4 Million	\$21.4 Million	\$2 Million	Owner requested Changes in scope, primarily related to AV and kitchen equipment
Morgantown Event Center Garage	\$4.8 Million	\$4.8 Million	\$48,000	Owner requested changes in scope
U. S. Department of Agriculture	\$6.38 Million	\$6.38 Million	\$263,630	Owner requests for changes to floor steel, security system, electrical and projectors.
Benjamin Russell High School Gymnasium Renovations	\$2.298 Million	\$2.280 Million		
WVU Transportation Center & Garage	\$14.6 Million	\$14.6 Million	\$215,6	Owner requests for changes to fencing, mezzanine addition, sidewalk and utility changes and parking equip. modifications
WVU Downtown Student Housing	\$17.7 Million	\$17.65 Million	\$196,448	Fire alarm modifications and Owner requests for additional electrical outlets and misc. existing site conditions.



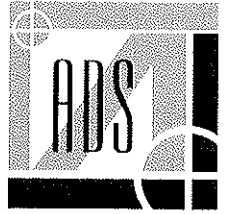
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2008-2009 In-House Projects



Project	Construction Value	Final Construction Value	% Over Base Bid	Comments
Morgantown Event Center	\$25.5 Million	\$25.5 Million	0%	
Morgantown Event Center Garage	\$4.9 Million	\$4.9 Million	0%	
USDA	\$7.5 Million	\$7.6 Million	1%	Owner Requested Changes
US DOE	\$10.7 Million	\$10.9	1%	Site Conditions; Misc interior issues
WVU Transportation Center	\$14.6 Million	\$15 Million	3%	
FSU Hunt Haught Hall Renovations	\$233,000	\$242,294	4%	
Marina Tower	\$11.3 Million	\$11.6 Million	3%	
WVU Stewart Hall		\$288,000		
Elmwood Cemetery Sales Office	\$400,000	\$400,000	0%	
Fullness Christian Fellowship	\$196,00	\$216,000	9%	Site Conditions
City of Trussville Greenway Project—Phase 2	\$337,123	\$352,123	4%	Site Conditions
Enterprise Rent-A-Car Group Operations Office Renovation	\$787,503	\$840,325	6%	75% Owner Requested; Existing Conditions
Cellular Sales Office Renovation	\$200,000	\$200,000	0%	
The Foundry Women's & Children's Center	\$1 Million	\$1 Million	0%	
Glenmark Office Building		\$1.6 Million		
Morgantown Chamber of Commerce		\$75,000		
Mountaintop Community Church Family Life Center	\$2.2 Million	\$2.3 Million	4%	Site Conditions
WVU Downtown Student Housing	\$17.6 Million	\$17.5 Million	-1%	

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



**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.

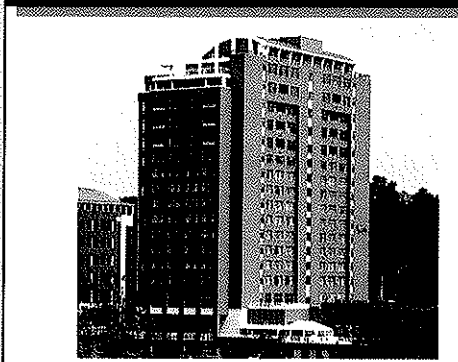
Dedicated to serving West Virginia and the surrounding region, ADS recognizes the need for reliable and full service structural engineering support. ADS provides all phases necessary for the successful completion of a building project including schematic design studies, design development, construction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

Over 20 years in Design and Project Management of:

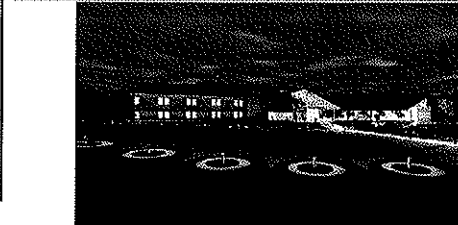
- Commercial
- Industrial
- Institutional
- Educational Facilities



MIXED USE



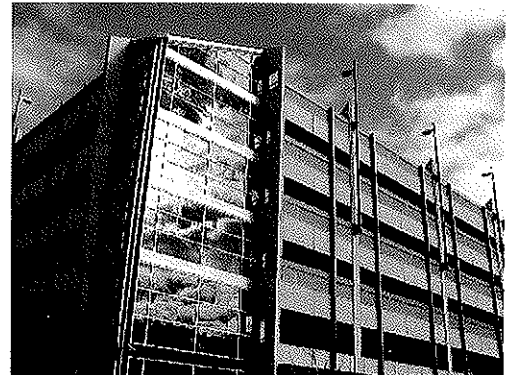
**HOTEL
 CONFERENCE CENTERS**



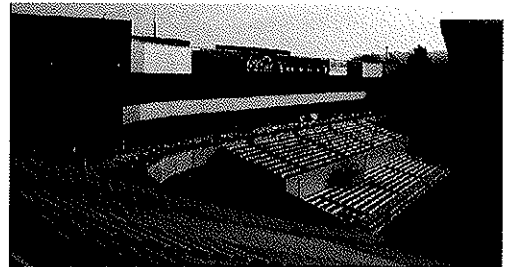
SECONDARY EDUCATION



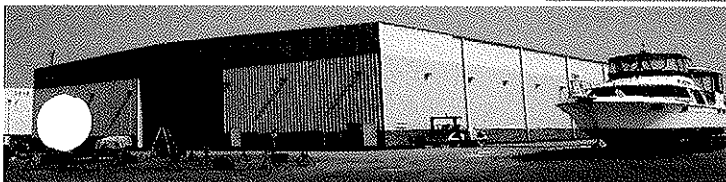
OFFICE BUILDINGS



PARKING GARAGES



ATHLETIC FACILITIES



METAL BUILDING SYSTEMS



HEALTH CARE



Allegheny Design Services

Structural & MEP Engineering

102 Leeway Street
Morgantown, WV 26505
Phone: (304)599-0771
Fax: (304)599-0772
E-mail: Dave@AlleghenyDesign.com
Web: www.AlleghenyDesign.com

HIGHER EDUCATION EXPERIENCE

1. Fairmont State University Parking Garage, Fairmont, WV
2. Davis and Elkins College Benedum Hall Renovation, Elkins, WV
3. West Virginia University White Hall Computer Lab, Morgantown, WV
4. BST3 (Biomedical Science Center Tower), University of Pittsburgh
5. Upper Campus Housing, University of Pittsburgh
6. Purnell Center for the Performing Arts, Carnegie Mellon University
7. Gannon University Classroom Building, Erie PA
8. Mt. Union College, Library, Mt. Union OH
9. University Center, (Natatorium, Gym, Student Union) Carnegie Mellon University
10. Posner Center, Rare Book Storage Facility, Carnegie Mellon University
11. West Virginia University, Woodburn Hall Building Restoration
12. West Virginia University, Martin Hall Building Restoration
13. West Virginia University, Coliseum Roof Repairs and Alterations
14. West Virginia University, Purintan House Building Restoration
15. West Virginia University, Chitwood Hall Building Restoration
16. West Virginia University, E. Moore Hall Building Restoration
17. West Virginia University Milan Puskar Stadium North End Expansion
18. West Virginia University Milan Puskar Center, Swimex Building
19. Alderson Broaddus College, Classroom Building Structural Analysis
20. West Virginia University, Milan Puskar Stadium, North End Stadium Expansion
21. Fairmont State University, Education Building Entry Slab Restoration
22. Fairmont State University, Engineering Technical Building, Truss Analysis
23. West Virginia University Biomed Facility Structural Steel Connection Design
24. West Virginia University Puskar Stadium Learning Center/Locker Room Renovation
25. West Virginia University Basketball Practice Facility
26. West Virginia University Honors Dormitory
27. WVU Intermodal Transportation Center

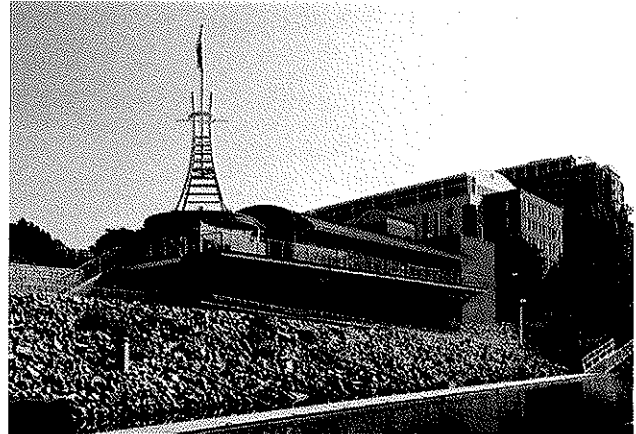


Allegheny
Design Services
Structural & MEP Engineering

ALLEGHENY DESIGN SERVICES' EXPERIENCE TEAMING WITH PARADIGM ARCHITECTURE

Boathouse Bistro Morgantown, WV

ADS was a 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 Addition and Renovations Cacapon, WV

ADS is a consultant to Paradigm Architecture for the Cacapon Resort State Park Improvement Projects. ADS will be providing design of foundations and structural system design. The new addition provides an additional 79 guest rooms, swimming pools, new dining facilities and commercial kitchen, and a spa and fitness area. Additional renovations to the resort includes golf course upgrades, as well as water and wastewater treatment upgrades. This is a Design-Bid-Build Project.



Chestnut Ridge Church Morgantown, WV

ADS was a 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 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 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 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

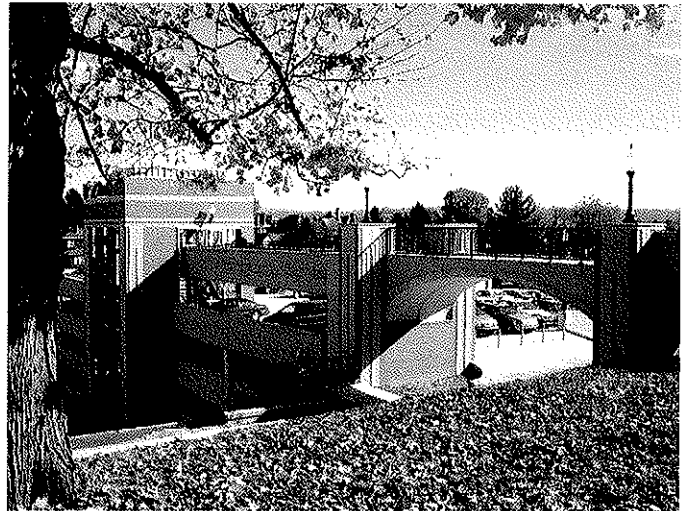
Fairmont State University Hardway Hall Entrance Renovation Fairmont, WV

ADS was a consultant to Paradigm Architecture for the FSU Hardway Hall Entrance Renovation. This project consisted of Water Damage Restoration, Porch Deck Restoration and Structural Stabilization. This project was completed in 2010 for approximately \$500,000.



Fairmont State University Parking Garage Fairmont, WV

ADS was a 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

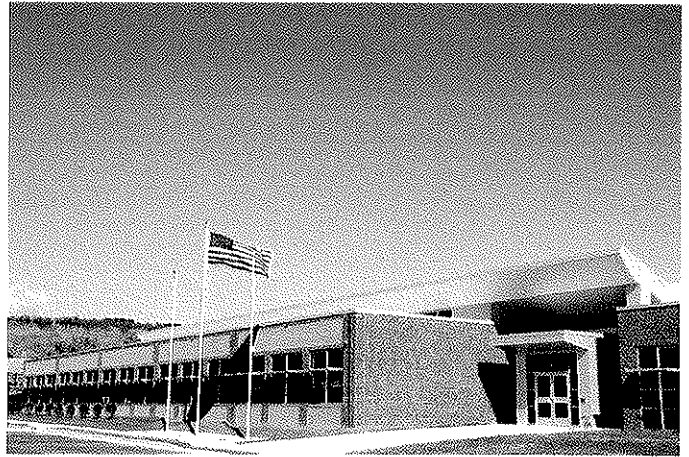
ADS was a consultant to Paradigm Architecture for the Glade Springs Hotel & Conference Center. The facility consists of a 40,000 sq. foot hotel wing, a 12,000 sq. foot conference center and a 2,000 sq. foot Porte Coche. It was completed in 2005 at a cost of \$5 Million.





GSA - Department of Energy
Morgantown, WV

ADS was a 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). LEED Gold (Core & Shell); LEED Gold (Commercial Interiors); 2010 Excellence in Construction by the Associated Builders & Contractors, Inc.—WV Chapter.



GSA/USDA Building
Sabraton, WV

ADS was a 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 registered as a LEED Certified Building.



KeyLogic Renovation
Morgantown, WV

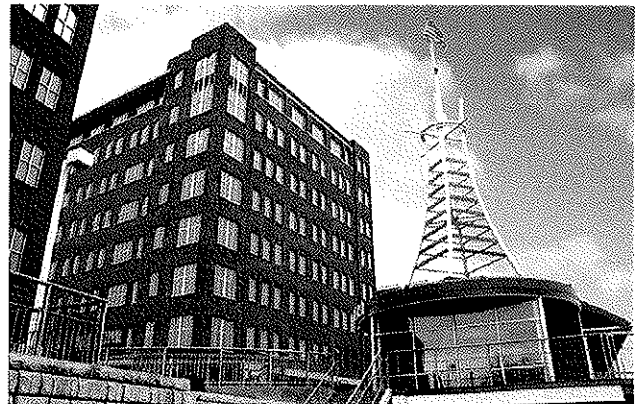
ADS was a consultant to Paradigm Architecture for the KeyLogic Renovation. This project consisted of renovating the entire building, new elevator shaft tower and front façade addition. This renovation was completed in 2010 for \$1.6 Million.





Marina Tower
Morgantown, WV

ADS was a 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.



Middletown Tractor
Fairmont, WV

ADS was a consultant to Paradigm Architecture for the Middletown Tractor Building. This project consists of a 20,000 sq. ft. Sales and Supply Facility, Pre-Engineered Metal Building and Shallow Foundation System. This project was completed in 2011 for approximately \$1.7 Million.



Morgantown Event Center
Morgantown, WV

ADS is a 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.





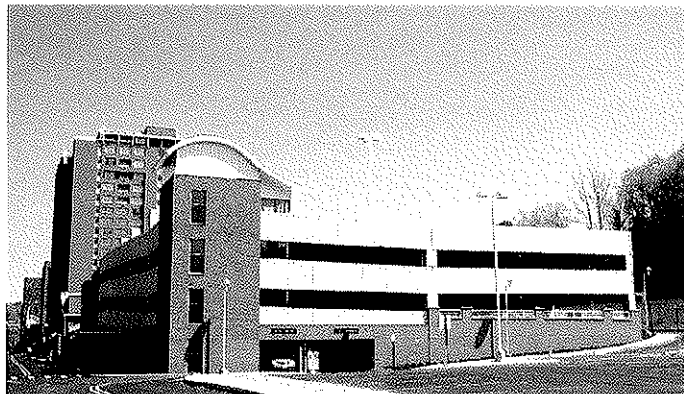
Allegheny Design Services

Structural & MEP Engineering

Morgantown Event Center Parking Garage

Morgantown, WV

ADS was a consultant to Paradigm Architecture for the Morgantown Event Center Parking Garage. This project consists of a 500 car parking garage. This project was completed in 2010 for approximately \$5 Million.



Pillar Innovations Office Building

Morgantown, WV

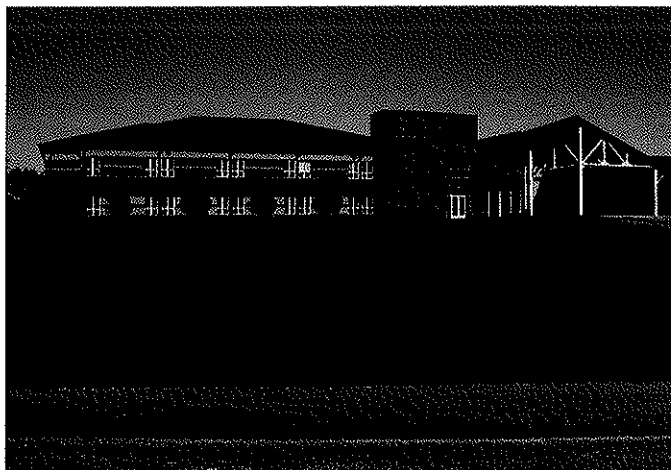
ADS was a consultant to Paradigm Architecture for the Pillar Innovations Office Building. This project consists of a 2-Story Office Building with 20,000 Sq. Ft. Total Space, Structural Steel and Shallow Foundations. This project was completed in 2011 for approximately \$3.5 Million.



Trinity Christian School

Morgantown, WV

ADS was a 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.





Allegheny Design Services

Structural & MEP Engineering

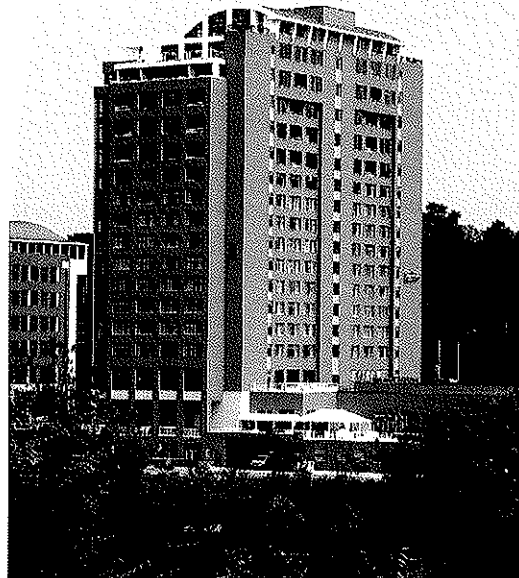
The View at the Park Morgantown, WV

ADS was a 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.



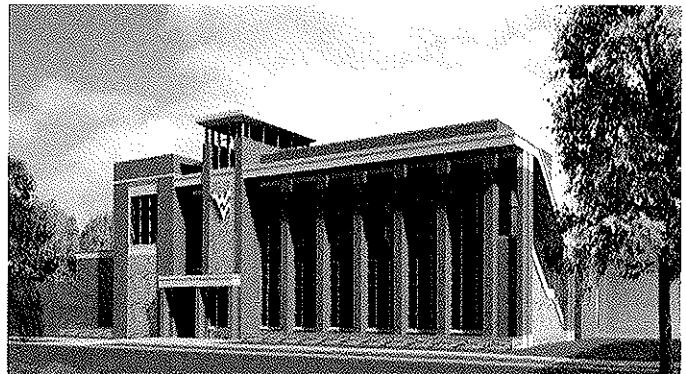
Waterfront Place Hotel & Conference Center Morgantown, WV

ADS was a 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 Greenhouse Morgantown, WV

ADS was a consultant to Paradigm Architecture for the WVU Greenhouse. This project is a replacement facility for the current Greenhouse and Headhouse for the AG-Science Department on the Evansdale Campus. The size of the project is defined as roughly 8,500 SF for the Headhouse and 18,600 SF for the Greenhouse. The location of the project is on the current site of the existing Greenhouse facility. The new building will utilize the campus steam line for mechanical systems.





Allegheny

Design Services

Structural & MEP Engineering

West Virginia University Honors Dormitory Morgantown, WV

ADS was a consultant to Paradigm Architecture for the new Honors Dormitory located on West Virginia University's downtown campus. This project was completed in 2009 for approximately \$17.65 Million. ADS was responsible for overall foundation and structural system design.



WVU Mountaineer Station Morgantown, WV

ADS was a consultant to Paradigm Architecture for the WVU Mountaineer Station. The \$17 Million facility contains a 500 car parking garage, offices, public space, and retail space. It was completed in 2009. This project was a West Virginia AIA Merit Award Winner 2010; 2010 Excellence in Construction by the Associated Builders & Contractors, Inc.—WV Chapter; International Parking Institute 2011 Awards of Excellence Honorable Mention Winner.





H.F. LENZ COMPANY

Currently in its 65th year, the H.F. Lenz Company (HFL) is a Pennsylvania-based 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, structural and civil construction annually. We currently employ 175 people between our three office locations, including 45 Professional Engineers licensed in total of 50 states and DC, and 19 LEED® Accredited Professionals.

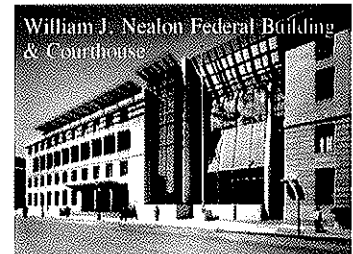
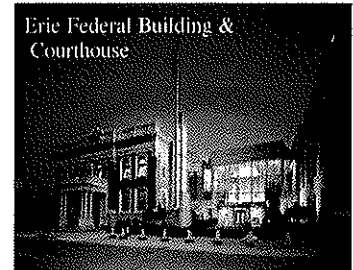
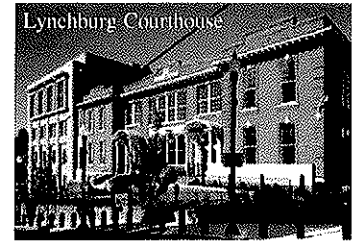
SUSTAINABLE DESIGN

H.F. Lenz Company was recently ranked in the “*Top 100 Green Design Firms*” in the Country, for the third time, by ENR Magazine. We have been a member of the United States Green Building Council since 2000 and currently have 19 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 have completed validation services for numerous buildings that have attained an Energy Star® Building Label.

H.F. Lenz Company currently has 45+ projects that have attained various levels of LEED Certification, and 40+ more projects are currently pending LEED Certification.

WHAT SETS OUR FIRM APART

- Experience with a wide variety of government agencies including: the General Services Administration, the Department of Homeland Security, Customs and Border Protection, the United States Marshalls Service, Pennsylvania State Police, the Social Security Administration, the Pennsylvania Department of Transportation, the Pennsylvania Department of Conservation and Natural Resources, Department of Defense and the U.S. Drug Enforcement Administration, State and County Agencies
- Engineering services for approximately 50 different GSA facilities throughout the U.S.
- Dedicated mission-critical design team that has over 20 years experience working with financial institutions, insurance companies, and governmental agencies that require extreme levels of reliability and redundancy in their M/E systems
- Experienced in the design of SCIFs and enhanced security features for a variety of clients
- Vast portfolio of sustainable design experience, including projects that have attained various levels of LEED® Certification and/or the Energy Star® Building Label
- Commissioning Services performed by personnel with between 10 - 32 years of experience
- Energy Analysis, Energy Modeling, ASHRAE Level I, II, and III Building Energy Audits, Measurement and Verification Plans and Implementation services





QUICK OVERVIEW OF RECENT GOVERNMENT PROJECTS

- **GSA Nationwide IDC** - currently working on two studies one for the 147,000 sq.ft. U.S. Court of Appeals for Veterans Claims in Washington, DC., and the other for the relocation of offices and facilities and adaptive reuse of existing space for use by various courts and agencies in the James A. Byrne U.S. Courthouse, the William J. Green Jr. Federal Building and the historic Robert N.C. Nix Federal Building in Philadelphia, PA
- **New 265,000 sq.ft. Bucks County Justice Center** - Doylestown, PA; Estimated Construction Cost: \$120,000,000; Utilizing BIM; Currently in Design, Construction began 09/2010 *Designed to Attain a LEED™ Silver Rating*
- **Study and Various Renovations to the Historic Fayette County Courthouse** – 2006
- **Historic Renovation of Somerset County Courthouse** - 2004; \$7,000,000
- **New 65,000 sq.ft. Design/Build Courthouse and Renovation of an Existing Historic Structure** – Lynchburg, VA; 2004; \$15,000,000
- **Renovation of Social Security Administration (SSA) 1.2 million sq.ft. Operations Building** – Woodlawn, MD; 2006; \$125,000,000 *Has Attained LEED™ Certification*
- **New “Green” Office Building and Community Center** - Allegany County Human Resources Development Commission (HRDC), Cumberland County, Maryland; 2009; \$4.5 million *Designed to Attain a LEED™ Silver Rating*
- **New 50,000 sq.ft. Design/Build Office Building for the U.S. Drug Enforcement Administration** – Pittsburgh, PA; 2005; \$6,256,994 *Has Attained LEED™ Certification*
- **Modernization of the 1.8 million sq.ft. Historic Robert F. Kennedy Main Justice Department Building (phased project)** - Washington, D.C.; 2004; \$130,000,000 *Awards: 2004 GSA Design Award Honor; Marvin M. Black Partnering Award; 2006 Silver Reconstruction Award*
- **Renovation and Addition to the Historic Erie Federal Courthouse Complex** – Erie, Pennsylvania; 2004; \$24,000,000 *Awards: 2004 GSA Design Award Citation for Preservation*
- **GSA IDC for Border Stations and Federal Buildings** - Feasibility Studies at Various Locations including the Elbert P. Tuttle Courthouse and Federal Building in Georgia; 2007; Fee
- **U.S. Department of Agriculture Tenant-Fit Out of 40,000 sq.ft. of a GSA Building for Office Space** -Morgantown West Virginia; 2009; *Project has attained LEED™ Certification*
- **New 75,000 sq.ft. Design/Build Administration/Office Building for NASA** - Langley, Virginia; Utilizing BIM; 2010; *Project has attained LEED Platinum*



- **New 165,000 sq.ft. Design/Build P8-A Integrated Training Center for NAVFAC** - Jacksonville, Florida; Utilizing BIM; ***Project Goal LEED Silver*** - Currently in Construction
- **Six consecutive Indefinite Delivery Contracts for Letterkenny Army Depot (U.S. Army, Baltimore Corps of Engineers)** under which we have completed in excess of 100 projects requiring a variety of engineering expertise.
- Engineering services for over **300 postal facilities under a total of nine indefinite delivery contracts for the U.S. Postal Service**
- Multiple indefinite delivery contracts for the **National Park Service**, the majority of which involved the renovation/preservation of historically significant structures
- **CDC/NIOSH** - Recently awarded our second consecutive term contract for projects in Pittsburgh and Morgantown
- **SSA IDC** - involved evaluation of 10 major SSA facilities in the U.S. to evaluate compliance with the guidance document titled "Guidance for Protecting Building Environments from Airborne Chemical, Biological, or Radiological (CBR) Attacks", also involved upgrades to communications systems at 11 facilities - expired in 2006

Additional Project Examples in West Virginia

- New 19,427 sq.ft. FBI Building, Charleston, West Virginia
- New 85,250 sq.ft. West Virginia State Office Building (scheduled for bidding in 2012), Clarksburg, West Virginia
- Tenant Fit-up of 40,000 sq.ft. for the U.S. Department of Agriculture, Morgantown, West Virginia
- Kee Federal Office Building and Courthouse, Bluefield, West Virginia
- Robert C. Byrd U.S. Courthouse, Charleston, West Virginia
- Federal Office Building, Huntington, West Virginia
- Coast Guard Building, Martinsburg, West Virginia
- Federal Office Building, Martinsburg, West Virginia
- U.S. Courthouse, Martinsburg, West Virginia
- Staggers Federal Office Building, Morgantown, West Virginia
- Federal Office Building and Courthouse, Wheeling, West Virginia
- Federal Office Building, Parkersburg, West Virginia
- Martinsburg Computer Center, Martinsburg, West Virginia



H.F. LENZ
COMPANY

West Virginia State Capitol Complex Charleston, West Virginia

NEW CENTRAL CHILLED WATER PLANT

The H.F. Lenz Company was hired to determine the most cost effective and energy efficient method for supplying chilled water to seven buildings (1.3 million sq.ft.) making up the West Virginia State Capitol Complex. Each of the seven buildings had its own chiller plant with many of the 15 chillers approaching the end of their useful life.

A detailed engineering analysis of three options was developed that included project scopes, conceptual drawings, calculations, and detailed cost estimates and calculations of energy and maintenance cost savings.

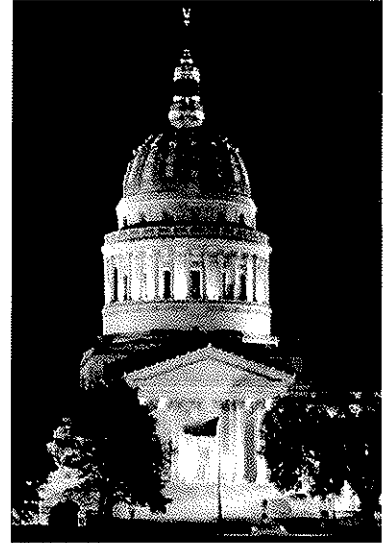
The H.F. Lenz Company showed that constructing a new central chiller plant with a main chilled water distribution loop would result in the lowest energy costs and maintenance costs with a payback period of four years.

The new chiller plant consists of three 1,200-ton and two 600-ton industrial grade centrifugal chillers along with their associated cooling towers, free cooling heat exchangers, chilled water and condenser water pumps, and automatic temperature controls. Variable speed drive pumping is incorporated for energy savings.

The new chilled water distribution system consists of approximately 5,000 feet of direct burial chilled water piping of various sizes. The seven Capitol Complex buildings are connected to this central loop by chilled water bridges.

The H.F. Lenz Company also provided the architectural and structural design work for the 4,500 sq.ft. chiller plant.

Phase I of the project was completed in 1997, Phase II in 1998, and Phase III in 1999. Estimated Construction Cost was \$8,000,000.





H.F. LENZ
COMPANY

*U.S. Department of Agriculture
Morgantown, West Virginia*

TENANT FIT-OUT

Through a Design-Build Competition sponsored by the U.S. General Services Administration, H.F. Lenz Company provided the mechanical, electrical, plumbing, and fire protection engineering services for the tenant-fit out of approximately 40,000 sq.ft. of a GSA-leased building to be utilized by the U.S. Department of Agriculture. The 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. The fit-out space consists mainly of offices, conference areas, lobbies, mailroom, credit union, computer center, storage space and a loading dock.



The project includes the design of:

- A central HVAC system with main and branch lines, VAV boxes, dampers, flex ducts, and diffusers for the office layout and commons areas. Separate HVAC units for the mail room and lobby spaces were provided in order to prevent contamination of other areas of the building in the event of a security threat. A separate computer room air-conditioning unit was also provided for the central computer center.
- New 277/480 V and 120/208 V, 3 phase, 5-wire electrical distribution system serving panelboards located on each floor of the complex. Receptacles supplying power to sensitive equipment were provided with an isolated ground system to prevent unwanted noise from being passed through the electrical distribution system.
- Energy Efficient Lighting with occupancy sensors for automatic control of the lighting fixtures
- Low flow plumbing fixtures and irrigation systems which uses only captured rainwater resulted in a 39.7% reduction in potable water use

The project incorporated several sustainable concepts and has attained LEED™ Certification. Construction was completed in 2009.

Construction Cost: \$7.5 million

Services: Mechanical, electrical, plumbing, and fire protection engineering services

Sq.Ft.: 40,427

Owner Contact: Glenmark Holdings, LLC, Mr. Nick Colasante, PH: 304-599-3369

Project Reference: U.S. Department of Agriculture, John Pettit, Executive Office, Farm Service Agency, U. S. Department of Agriculture, 1550 Earl Core Road, Suite 102, Morgantown, WV 26505, Ph: 304-284-4881



NEW OFFICE BUILDING

Through a contract with the U.S. General Services Administration, H.F. Lenz Company provided the mechanical, electrical, plumbing, and fire protection engineering services for the design a two-story 19,427 sq.ft. office building in Charleston, West Virginia to house a federal agency. The facility includes forensic evidence labs, work and technology spaces, and vehicle service bays.



The building was designed with energy efficient systems and sustainable design criteria including water conservation, use of regionally manufactured materials, increased ventilation, use of renewable energy sources, and a pre-occupancy construction indoor air quality management plan. The project goal is to meet the requirements of LEED Silver (minimum) and attain an ENERGY STAR rating of 75 or above.

Features of the project include:

- Variable air volume HVAC system consisting of gas-fired rooftop air-handling units with DX cooling and energy recovery, supplemental cooling for specialty areas such as server rooms and areas with concentrated high heat loads. A separate air-handling unit for the mailroom area will minimize any airborne threats. Another HVAC security measure includes the strategic placement of outdoor air intakes to minimize the risk of contaminants being entrained into the building through the outdoor air intake.
- An electrical distribution system that will supply 10 watts/sq.ft. of power to the building, as well as an exterior 50kw standby/emergency generator that will serve the backup power needs.
- A complete data/communications system which includes separate telecommunications closets for the internal system servers that will be used to meet the function of the building. The system features include category 6A horizontal cabling, incoming optical fiber cabling, wire racks and bridging rings for wire management.
- A fire alarm system with a voice/alarm communication system
- An automatic sprinkler system designed to NFPA requirements
- The design of a wet lab area that includes a separate fume hood exhaust system
- Garage bays that are used to modify/examine vehicles
- Building commissioning

Design work was completed in 2010.

Construction Cost: \$6 million

Services: Mechanical, electrical, plumbing, and fire protection engineering services

Sq.Ft.: 19, 427

Owner Contact: Glenmark Holding, LLC, Mr. Nick Colasante, Ph: 304-599-3369



OFFICE BUILDING

H.F. Lenz Company provided the mechanical, electrical, plumbing and fire protection engineering services for the design of a new 85,250 sq.ft., five-story office building to house seven state agencies.

The building will be equipped with a central geothermal plant in the basement to serve a 4 pipe hot and chilled water piping distribution system in the building. The geothermal plant will extract and reject heat from the geothermal wellfield. This wellfield will contain (90) – 400' deep wells, spaced on 15' centers, installed under the parking areas.



The majority of the building will be served by three VAV modular air handling units located in the building penthouse. A Direct Digital Control (DDC) System will provide the control for the HVAC system. The system will be able to interface with the current system that the State of West Virginia uses to monitor its buildings from a remote location in Charleston, WV. It is anticipated that the HVAC system will perform at 20% better than baseline.

Lighting relay panels will provide 24/7 control of the lighting in the larger areas on the various floors. Relay panels will be installed on all floors except the basement. Vacancy (Occupancy) sensors will be installed in all areas not described above to provide automatic shut off lights. In areas subject to larger amounts of natural light, daylight harvesting sensors will be placed near windows to step-dim (reduce light output to 50%) local light fixtures in response to amount of sunlight present within the space and save energy.

A Main Telecommunications Room (MTR) will be provided and house all the service entrance equipment for signal system demarcation points as well as distribution equipment to provide the buildings signal infrastructure. Intermediate Telecommunications Rooms (ITR), feed from MTR, will be constructed on each floor and contain equipment to distribute signal systems to the end user.

Cameras shall be placed throughout the building to monitor all exits and other high traffic areas. Cameras shall be web-enabled and Power over Ethernet type, Cat 6 cable from camera shall terminate at ITR on appropriate floor. A network video recorder in the MTR will capture all the camera data and provide an output to view camera feeds locally and send a viewing signal to a remote location.

The project will be applying for Silver Certification under LEED standards.

This project is scheduled for bidding in 2012.

Construction Cost: Approximately \$20 million

Services: Mechanical, electrical, plumbing, and fire protection engineering services

Sq.Ft.: 85,250

Owner Contact: State of West Virginia, Mr. David Hildreth, Ph: 304-558-0510, Address: 1409 Greenbrier Street, Charleston, WV 25311



PHASED RENOVATION AND LIFE SAFETY UPGRADES TO WHITE HALL

The H.F. Lenz Company provided mechanical, electrical, plumbing and fire protection engineering services for the phased renovation and life safety upgrades to the 95,500 sq.ft. White Hall. The building, which was originally constructed in 1942 as a high-rise, will house classrooms, laboratories, offices and a 175 seat auditorium. The goal of the first phase of the project was to complete the interior demolition work while the second phase will fitout the shell to match the requirements of the users.



The building will mainly be used by the Physics Department for research and instruction. With the researchers' expanding use of lasers, and the technologies associated with them, the need to design the project with low vibration creating equipment and high power capacity was a top priority.

Flexibility for the laboratories was also a request of the University due to the fact that researches, and researchers, are constantly changing and they needed to be able to quickly adapt to these changes. Therefore, each lab was fitted with a 400A-3 phase-208V panelboard and surface mounted raceway around the perimeter of the room that allows for receptacles to be placed wherever they may be required in the future. Electrical busway with capacity for future taps were provided vertically through the building and taps provided at the electrical closets on each floor for additional panelboards to be added in the future. Compressed air outlets were installed around the perimeter of the labs as well to provide an outlet in close proximity to the experiment regardless of where in the room it may be needed.

Additional project features included:

- 600 kw emergency/standby generator to provide power to the life safety equipment in the building as well as power to the researchers.
- 50,000 cfm fume exhaust fans. They are arranged so that if one fan is not working, the other fan has the capacity to carry the needs of the system.
- Addressable, voice evacuation, fire alarm system
- VAV fume hood exhaust system that provides energy savings by reducing the flow through the exhaust system when the hoods are not in use
- Design of a 1000 sq.ft. Computer Cluster Room with specialized cooling and conditioned power designed to process terabytes of data

Construction was completed in 2011.

Construction Cost: \$21 million

Services: Mechanical, electrical, plumbing, and fire protection engineering services

Sq.Ft.: 95,500

Owner Contact: West Virginia University, Mr. John Sommers, Ph: 304-293-8811 Address: West Virginia University Physical Plant, 979 Rawley Lane, Morgantown, WV 26506-6572

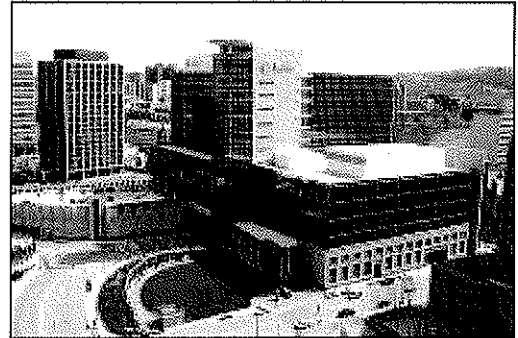


LARGE-SCALE PROJECTS WITH CLASS "A" OFFICE SPACE

Our experience with large Class "A" office projects includes the following:

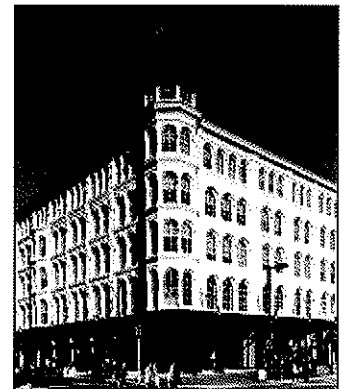
**Mellon Financial Corporation
Client Service Center
Pittsburgh, Pennsylvania**

- 750,000 sq. ft. new construction
- Class "A" office space
- High-reliability operations space
- 55,000 sq. ft. data center
- Project management
- Multi-discipline design (MEP/Data)
- Construction administration
- Commissioning
- Awards: - 2001 Integrator Award - *Building Design & Construction* magazine
 - 2004 Office Building of the Year - BOMA Mid Atlantic Region



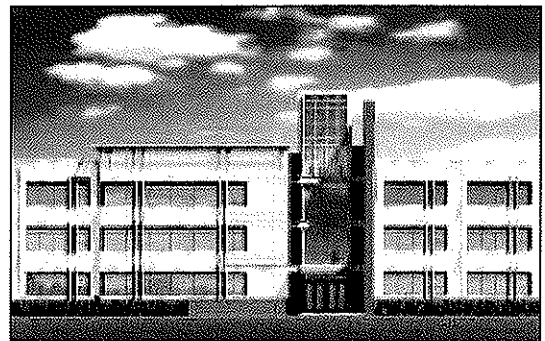
**Mellon Independence Center
Philadelphia, Pennsylvania**

- 880,000 sq. ft. complete renovation
- Class "A" office space
- 650,000 sq. ft. high-reliability operations space
- 52,000 sq. ft. data center for Mellon Financial Corp.
- Multi-discipline design (MEP)
- Construction administration
- Data center commissioning



**Social Security Administration
Main Operations Building
Woodlawn, Maryland**

- 1.2 million sq. ft.
- Complete mechanical, electrical, fire protection/life safety renovation
- Construction phasing of an occupied building
- Numerous energy conservation elements
- Sustainable design principals

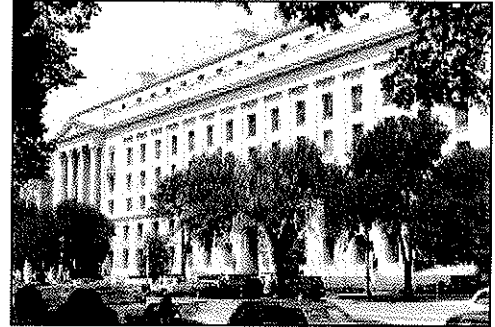




HEADQUARTERS OFFICE PROJECTS

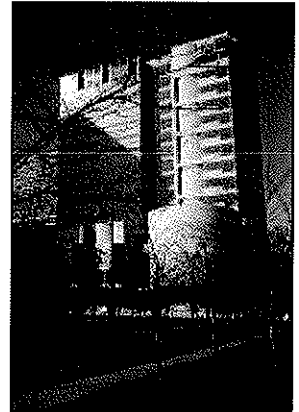
**Robert F. Kennedy Department of Justice Building
Washington, DC**

- 1.2 million sq.ft.
- On the *National Register of Historic Places*
- Complete mechanical, electrical, fire protection/life safety renovation
- Specialized environmental control for Main Library and Archival Storage Room
- Construction Administration
- Awards:
 - 2004 GSA Design Award
 - Marvin M. Black Partnering Award



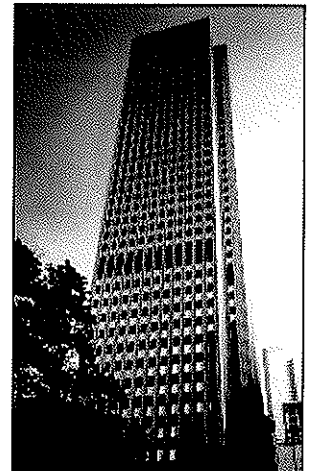
**Commonwealth of Pennsylvania
New State Office Building
Harrisburg, Pennsylvania**

- 16-stories, 450,000 sq.ft.
- Complete mechanical, electrical, fire protection/life safety design
- Numerous energy conservation elements
- Construction Administration
- Indoor air quality (IAQ) commissioning including baseline IAQ and outside air testing, and post occupancy testing for proper ventilation



**Three Mellon Center
Pittsburgh, Pennsylvania**

- 41-stories, 900,000 sq.ft.
- New high-reliability electric service comprising six 1,000 kVA networked transformers
- New 4,450-ton fully redundant central chilled water plant with N+5 configuration
- Data center reliability analysis identifying single points of failure
- Recommendations for 3,000 kVa UPS system for data center
- Provided project management, multi-discipline design, construction administration, commissioning services
- Project has received an ENERGY STAR Building label as well as a LEED EB O&M Gold Rating





**Kennametal World Headquarters
Latrobe, Pennsylvania**

- New 135,000 sq.ft. corporate office building
- Executive dining room
- Employee cafeteria
- High-bay warehouse area
- New campus main communications system
- Complete civil/site design including parking lots and the relocation of a Township road



**Penelec Corporate Headquarters
Johnstown, Pennsylvania**

- New four-story office building annex and garage
- Renovation of the main office building
- Retrofit central heating/cooling plant to serve four buildings
- New site utilities and parking areas
- New complex-wide direct digital energy management control system
- Micro-processor-based fire alarm and security system
- Construction administration, systems start-up, and training of O&M staff



**FedEx Ground Corporate Headquarters
Pittsburgh, Pennsylvania**

- 350,000 sq.ft. new construction
- 10,000 sq.ft. raised floor data center
- 1,100 sq.ft. Technology Briefing Center with multi-media presentation capabilities
- Two fully redundant utility services
- 500 kVA rotary UPS System
- Redundant emergency generators
- Employee cafeteria
- Fitness Center
- 120,000 sq.ft. expansion





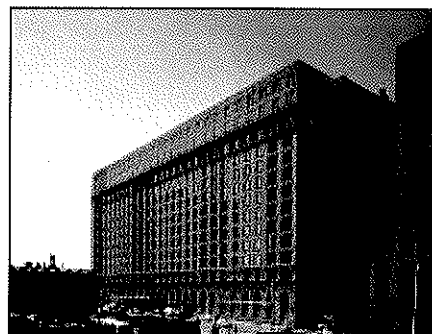
**PricewaterhouseCoopers
Philadelphia, Pennsylvania**

- 120,000 sq. ft. high-rise office renovation including new HVAC systems, new electrical and lighting, and life safety improvements
- New 20,000 sq. ft. Software Engineering Center – includes HVAC design, program-mable lighting controls for presentations, power and UPS for 5,000 sq. ft. server room
- New 70,000 sq. ft. Global Training Center – includes custom HVAC system, electrical, distribution, dedicated cooling for server rooms, energy efficient lighting, audio/visual systems, and life safety systems



**DuPont Corporate Headquarters
Wilmington, Delaware**

- Multi-discipline design
- New 28,000 sq. ft. conference center
- New DDC building automation system
- New central heating/cooling plant
- Upgrade 216 guest rooms in world-class Hotel DuPont
- Upgrade hotel offices and function rooms
- Utility service improvements



**SEPTA Headquarters
Philadelphia, Pennsylvania**

- 20-stories, 660,000 sq. ft. headquarters renovation
- Upgrade of mechanical systems including new chilled water plant
- New automatic temperature controls
- Replaced significant portion of the electrical distribution system
- Life safety improvements included new fire alarm, full-building sprinklering, and a smoke evacuation system
- New standby power generation system





AMP Industries, Inc.
Harrisburg, Pennsylvania
Upgrade lighting and power distribution to approximately 20,000 sq.ft. of office space

AMP Industries, Inc.
Harrisonburg, Virginia
Renovation of existing building including office, manufacturing, and warehousing facilities

Brickstone Properties
Andover, Massachusetts
Two new speculative office buildings:
50 Minuteman Road, 155,000 sq.ft. and
200 Minuteman Road, 200,000 sq.ft.

Brickstone Square Office Park
Andover, Massachusetts
Renovation to a 1,000,000 sq.ft. multi-building office/industrial complex

Byrne/Green Courthouse and Federal Building
Philadelphia, Pennsylvania
HVAC study and PCB transformer replacement

Colonial Penn Life Insurance
Philadelphia, Pennsylvania
Base building HVAC renovations and new DDC and fire alarm systems for a 120,000 sq.ft. office building; tenant fit-out of 70,000 sq.ft.



FedEx Ground. The new corporate headquarters contains a raised-floor computer area, an auditorium, a cafeteria, a media production studio, and a fitness center.



Brickstone Square Office Park. This four-building facility near Boston is an adaptive reuse of the former American Woolen Mills Company.

duPont Corporate Headquarters
Wilmington, Delaware
New 28,000 sq.ft. learning conference center, and renovations to office and function rooms within the historic Hotel duPont and mechanical/ electrical upgrade to 216 guest-rooms

Erie Civic Center
Erie, Pennsylvania
New Sea Wolves office building

Extrude Hone Corporation
Irwin, Pennsylvania
New 72,000 sq.ft. office building and manufacturing facility

FedEx Ground
Pittsburgh, Pennsylvania
New 350,000 sq.ft. corporate office facility for a courier delivery company

Frick Building
Pittsburgh, Pennsylvania
Evaluation and renovation of a 22-story, 330,000 sq.ft. historic high-rise office building

Gimbels Building
Pittsburgh, Pennsylvania
Base building modifications to convert a former department store to office and retail space



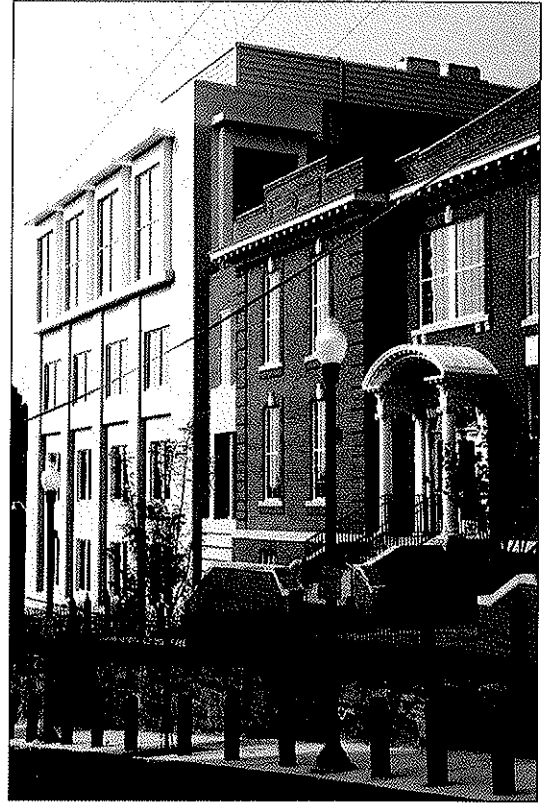
Grant Building
Pittsburgh, Pennsylvania
High-rise building evaluation and correction of deficiencies

Groupe Schneider
North Andover, Massachusetts
Fit-out of 170,000 sq. ft. of corporate office, training, and repair space and new 80,000 sq. ft. manufacturing facility

GSA Region 3 Offices
The Wanamaker Building
Philadelphia, Pennsylvania
Tenant fit-up of office space

IBM Office Building
Pittsburgh, Pennsylvania
Base building and tenant fit-up design of a new 240,000 sq. ft., 12-story office building

James H. Reed Building
Pittsburgh, Pennsylvania
Comprehensive evaluation and renovation of a nine-story, 190,000 sq. ft. building for the law offices of Reed Smith Shaw & McClay



Lynchburg Courthouse. The project was designed to meet the anticipated space requirements of 2010 for the US District Court, US Bankruptcy Court, and several federal agencies, while also providing a new consolidated retail facility for the Postal Service.



Koppers Building. Renovation work in the lobby included the retrofit of historic lighting fixtures.

Kee Federal Office Building and Courthouse
Bluefield, West Virginia
Mechanical and electrical renovations including building-wide HVAC; courtroom renovations and alterations

Koppers Building
Pittsburgh, Pennsylvania
Study of existing mechanical/electrical systems and base building renovations in a 34-story, 344,000 sq. ft. office building

Lynchburg Courthouse
Lynchburg, Virginia
New 65,000 sq. ft., five-story courthouse building and renovation of an existing three-story, 25,000 sq. ft. historic schoolhouse



Robert F. Kennedy Department of Justice Building

Washington, D.C.

Phased renovation/retrofit of a 1.3 million sq.ft. occupied federal building

**Major Insurance Company
Mid-Western United States**

New 80,000 sq.ft. data center designed to 2N+2 criteria which maintains the facility's reliability level even during periods of system testing and maintenance

**Major Insurance Company
Various Locations**

H.F. Lenz Company is assisting this Major Insurance Company in improving the reliability of the critical engineering systems that support facility operations at various sites. The Facility Program is being carried out on a national scale, including facilities in Florida, New York, Texas, Arizona, California, Oregon and Colorado.

**Major Insurance Company
Southern United States**

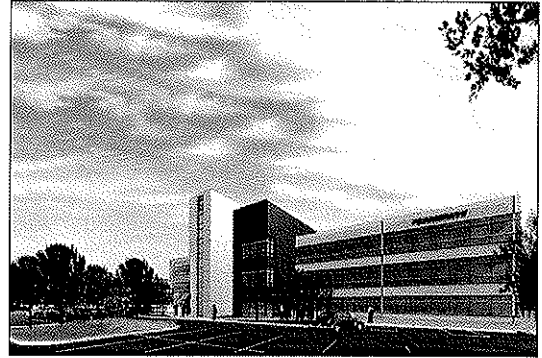
New 1500-person call center, which will consolidate the operations of two existing call centers in the this area

**Major Insurance Company
Western United States**

New 322,000 sq.ft. call center, which was constructed on a 13-acre site



Confidential Insurance Company. The new South-Eastern United States call center building includes employee amenities such as food service, meeting rooms, and training facilities.



Confidential Insurance Company. The Western United States facility will be three stories and used for call center and general office functions.

**Major Insurance Company
South-Eastern United States**

New 280,000 sq.ft. call center, which was constructed on a 40.7-acre site

**Market Street State Office Building
Harrisburg, Pennsylvania**

New 16-story, 446,000 sq.ft. office building

**Martin Marietta Corporation
Cherry Hill, New Jersey**

Base building and tenant fit-up renovation for 72,000 sq.ft. office building

**Mellon Bank Card Services Center
Wilmington, Delaware**

New 80,000 sq.ft. Credit Card Service Center

**Mellon Center
Philadelphia, Pennsylvania**

Tenant fit-up of 14 floors of corporate office space in a new 54-story high-rise

**Mellon Financial Corporation
Pittsburgh, Pennsylvania**

Provided HVAC, plumbing, fire protection, electrical and telecommunications systems were designed and commissioned for the new 750,000 sq.ft. operations center, which also houses a data processing facility



Mellon Financial Services

Riverview II Building

Cambridge, Massachusetts

Conditions assessment and tenant fit-up for a new 18-story, 116,000 sq.ft. speculative office building

Mellon Independence Center

Philadelphia, Pennsylvania

Renovation of an historic 900,000 sq.ft. former retail building for Mellon Bank's regional data operations center and three levels of retail space

Meridian Tower

Philadelphia, Pennsylvania

Damage assessment and design development drawings for a 38-story, fire-damaged high-rise office building

Merrill Lynch Headquarters

New York, New York

Retrofit evaluation of a 2.2 million sq.ft., 50-story high-rise

National Drug Intelligence Center

Johnstown, Pennsylvania

Complete build-out services for 76,000 sq.ft. of administrative and operational areas

National Park Service Building

Martinsburg, West Virginia

HVAC study and report

One Mellon Center

Pittsburgh, Pennsylvania

Various mechanical/electrical evaluation and renovation projects in a 55-story high-rise

Pennsylvania State Capitol Complex

Harrisburg, Pennsylvania

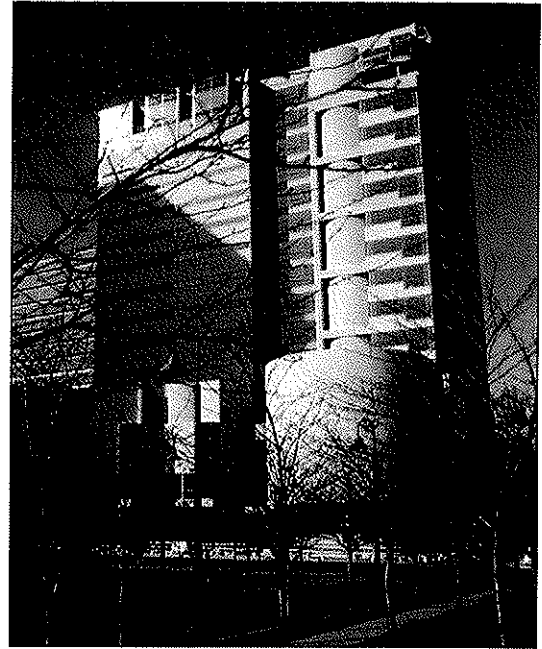
New 235,000 sq.ft. congressional office building and renovation of 400,000 sq.ft.

Pennsylvania Electric Company

Corporate Headquarters

Johnstown, Pennsylvania

350,000 sq.ft. of new and renovated office space



Market Street State Office Building. This 16-story high-rise houses Pennsylvania's Department of Environmental Protection and the Department of Conservation and Natural Resources.

Philadelphia City Hall Annex

Philadelphia, Pennsylvania

Evaluation of an historic 350,000 sq.ft. building for adaptive reuse

PictureTel Corporation

100 Minuteman Road

Andover, Massachusetts

Complete renovation and tenant fit-up design services for a 325,000 sq.ft. office facility

Pittsburgh National Bank Headquarters

Pittsburgh, Pennsylvania

Energy management study and retrofit of a 31-story, 670,000 sq.ft. high-rise

PricewaterhouseCoopers

Philadelphia, Pennsylvania

120,000 sq.ft. tenant fit-up of a 20-story high-rise office building and 30,000 sq.ft. tenant fit-up for a computer training center and software engineering center



SEPTA Corporate Headquarters
Philadelphia, Pennsylvania
Base building mechanical/electrical systems in a 20-story, 660,000 sq.ft. high-rise

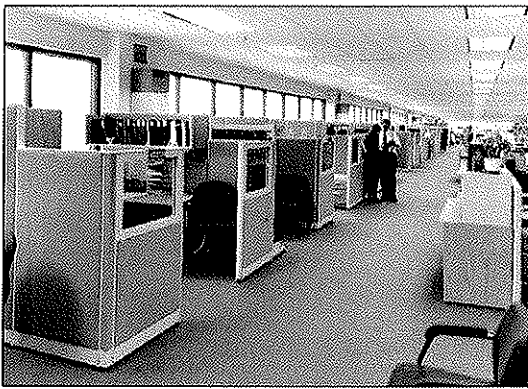
Smith and Nephew
150 Minuteman Road
Andover, Massachusetts
New 112,000 sq.ft. corporate headquarters and demonstration facility

Social Security Administration
Data Operations Center
Wilkes-Barre, Pennsylvania
Complete multi-discipline engineering design for a new 250,000 sq.ft. office/computer center

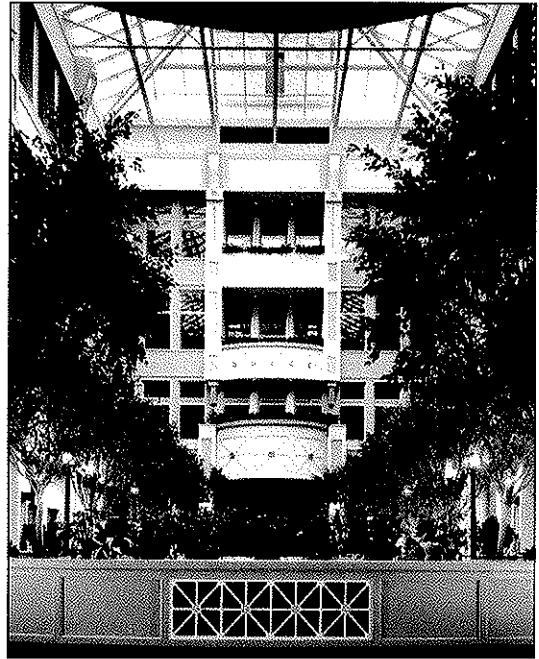
Social Security Administration
Mid-Atlantic Program Center
Philadelphia, Pennsylvania
Life safety and control evaluation; PCB transformer replacement

Social Security Administration
Operations Building
Woodlawn, Maryland
Renovation of 1.2 million sq.ft. office building and data center

Staggers Federal Office Building
Morgantown, West Virginia
Extension of fire alarm system and addition of fireman's capture and recall to passenger elevators; parking garage structural investigation



SSA Data Operations Center. Operational flexibility is enhanced by a perimeter radiant ceiling heating system and underfloor wire management.



The Wanamaker Building. Nearly 900,000 sq.ft. of former retail space was adapted for modern office space. An additional 200,000 sq.ft. is now under design.

State Street Corporation
Boston, Massachusetts
Project Management and engineering design of mechanical system improvements and site/security upgrades at its Westborough, Massachusetts Data Center

Straumann USA
60 Minuteman Road
Andover, Massachusetts
New 140,000 sq.ft. corporate headquarters and manufacturing facility

The Wanamaker Building
Philadelphia, Pennsylvania
Evaluation and design of base building systems for the conversion of over 1 million sq.ft. of space in an historic retail building to Class A office space

The Weightman Group
Philadelphia, Pennsylvania
Tenant fit-up for 60,000 sq.ft. of Class A office space in an historic section of the Wanamaker Building



Three Mellon Center
Pittsburgh, Pennsylvania
Evaluation and retrofit of a 900,000 sq.ft.,
41-story office building and computer center

Two Mellon Center
(Union Trust Building)
Pittsburgh, Pennsylvania
Evaluation and renovation of a 650,000 sq.ft.,
11-story historic building for Class A office
space

U.S. Army Corps of Engineers
District Office
Philadelphia, Pennsylvania
Tenant fit-up of 100,000 sq.ft. of office space
within the historic Wanamaker Building

U.S. Coast Guard Building
Martinsburg, West Virginia
HVAC study and report for a 38,000 sq.ft.
office building

U.S. Courthouse and Federal Building
Williamsport, Pennsylvania
Building renovations

U.S. Drug Enforcement Agency
Pittsburgh, Pennsylvania
New 50,000 sq.ft., two-story building, with
24,000 sq.ft. of office space on the upper floor
with the ground floor serving as a garage

U.S. Federal Building and Courthouse
Wheeling, West Virginia
Renovation and addition; boiler replacement;
courtroom renovation; parapet rehabilitation

U.S. Federal Office Building
Harrisburg, Pennsylvania
Passenger elevator controls and cab upgrades

U.S. Federal Office Building
Huntington, West Virginia
Plumbing and electrical system improvements

U.S. Federal Office Building
Martinsburg, West Virginia
HVAC renovation study and design/build
construction document package; toilet room
modernization



Three Mellon Center. This high-rise was retrofit in the mid-1980's and is currently undergoing a phased modernization program to provide an increased level of reliability for computer operations.

U.S. Post Office and Courthouse
Erie, Pennsylvania
Renovation of a federal building, an historic
library building, and construction of a new
50,000 sq.ft. connecting structure

U.S. Post Office and Courthouse
Pittsburgh, Pennsylvania
New fire alarm system; thermal storage and
lighting analyses; structural modifications, new
fitness center; schematic design for tenant fit-
up of IRS Training Center; U.S. Marshals
tenant fit-out study; U.S. Marshals firing range



**U.S. Post Office and Courthouse
Scranton, Pennsylvania**

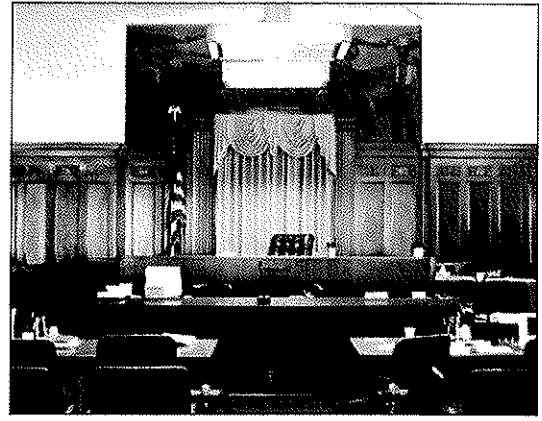
New four-story, 120,000 sq.ft. courthouse annex, connecting atrium, and renovation of existing courthouse

**USX Headquarters
Pittsburgh, Pennsylvania**

Retrofit evaluation of a 64-story, 2.8 million sq.ft. high-rise

**William S. Moorhead Federal Building
Pittsburgh, Pennsylvania**

HVAC, plumbing, and fire service improvements; fire alarm feasibility study; thermal energy storage; lobby and toilet room renovations



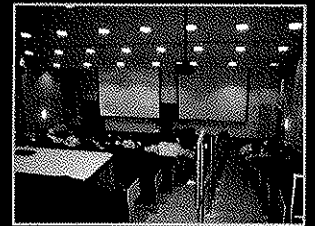
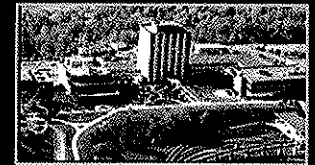
Scranton Courthouse. The project included renovation design for two federal district courts in the existing building.



H.F. Lenz Company has been serving WVU for 15 years and has held term contracts with the University since 1996.

Projects Awarded in the Past Three Years

- Renewal of Our Three Open-End Contracts for WVU, WVU Research Corporation, and WVU Other Institutions, current projects include:
 - **College of Physical Activity and Sports Science (CPASS), Evansdale Campus**
 - Design of a new 90,000 sq.ft. building that will house concession area, locker rooms, restrooms, cardio room, dance studio, 2,000 sq.ft. fitness center, 1,550 sq.ft. multi-purpose room, conference areas, classrooms, media lab, offices, storage areas, and lobbies
 - Design of five new intramural athletic fields including site lighting and power provisions for score board
 - **Health Sciences Campus** - Design of two new intramural fields and walking track, the project included the design of site lighting and roadway relocation
 - **Evansdale Towers** - Design of four new tennis courts and site lighting
- White Hall Laboratory Building Renovations
- Agricultural Science Building Landscape Architecture Fit-Out
- Business and Economics School HVAC Evaluation
- Communications Building Print Shop HVAC Evaluation
- Communications Building HVAC Retrofit
- Alumni Center Parking Lot Lighting and Security
- Stewart Hall Fire Escape Replacement
- Creative Arts Center Dust Collection Phase I
- Chemistry Annex Lab Space Fit-Out & New Generator
- Blanchette Rockefeller Neurosciences Institute Fit-Out
- Eiseland Hall Fire Alarm and Sprinkler Upgrades
- Engineering Sciences Building Lab Renovations
- NRCCE Equipment Access Platforms
- Stansbury Hall 23 KV Feeder Study
- Chemistry Annex Computer Rooms
- Chemistry Building Lab Exhaust Upgrades and AHU Replacement
- Mountainlair Ballroom Ceiling Replacement
- Fieldcrest Roof Top Unit Air Handler Replacement

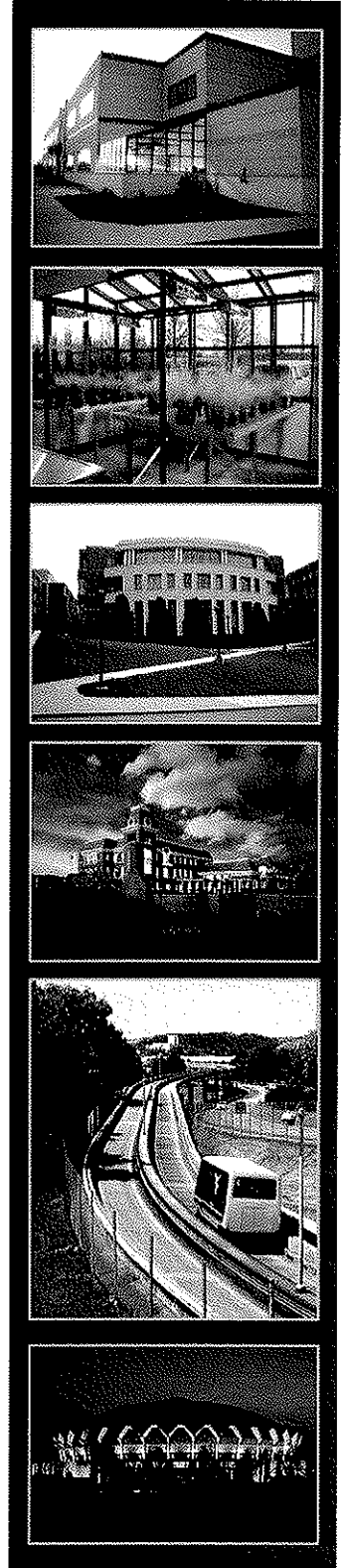




- White Hall Installation of 23 kV Feeders
- Downtown Chiller Plant Fit-Out
- Evansdale Campus Master Planning
- Schematic Design of a New PE/EL/Outdoor Recreation Facility
- Towers Building Classrooms A & B HVAC Renovation
- WVU Data Center Study
- WVU, WVUH, HSC Master Plan

Additional WVU Experience

- Agricultural Sciences Building 38,000 sq.ft. Addition
- New 54,000 sq.ft. Alumni Center
- Demolition of Beechurst Boiler Plant
- Demolition of 17 Grant Street Building
- Brooks Hall Study to Convert 100,000 sq.ft. Laboratory Building into Classroom Building
- Conversion of Former Medical Center Boiler Plant for Use by the University's Grounds Department
- Central Office of the State College and University System WVNET facility Improvements
- Charles Wise, Jr. Library 124,000 sq.ft. Addition, 86,000 sq.ft. Renovation, and Commissioning Services
- Utility Survey of Evansdale Campus
- New High Density Book Storage Facilities I and II
- Phase IV and V Guideway Heating System Upgrade for the Personal Rapid Transit System
- Commissioning Services for the Plant Pathology Environmental Microbiology Research Facility
- Potomac State College's Church-McKee Arts Center Chiller Replacement
- Stansbury Hall HVAC Retrofit, 80,000 sq.ft.
- Commissioning Services for White Hall Chiller Plant
- Renovation of the WVU Coliseum
- WVU Mountainlair Barnes and Noble Bookstore and Cafe



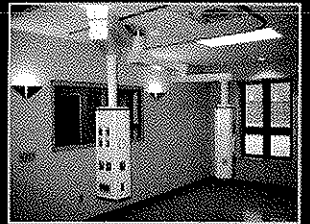
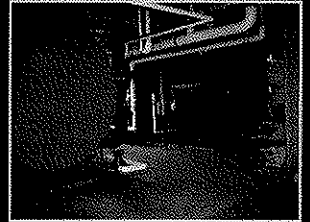
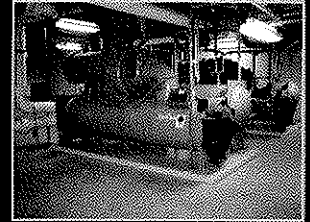


WVUH Experience

- Ruby Memorial Hospital - New 176,000 sq.ft. Addition and Renovation of 47,000 sq.ft. of Clinical Space
- New Central Plant to Serve over 878,000 sq.ft. of Clinical Space
- WVUH Heart Institute
- Bulk Oxygen Storage
- Fire Alarm Replacement
- Vacuum System
- Chilled Water Study
- Elevator Penthouse Cooling
- Pharmacy

Health Sciences Center Experience

- Robert C. Byrd Health Sciences Center Building Evaluation
- Radio and TV Services Master Plan
- Charleston HVAC Upgrades
- Oral surgery
- Morgue Retrofit
- Gross Anatomy





WEST VIRGINIA UNIVERSITY GREENHOUSE

H.F. Lenz Company and Paradigm Architecture, Inc. are currently providing A/E Design services for the construction of a new greenhouse and a new headhouse for West Virginia University AG Sciences and Forestry Departments. The new design will include a two-story approximately 10,000 square foot headhouse with the majority of the Forestry services spaces on the second floor and AG Sciences on the first floor. In addition, there will be approximately 18,500 square feet of new greenhouse space and the existing plastic greenhouse will remain.

U. S. DEPARTMENT OF AGRICULTURE OFFICE BUILDING

The firms have also teamed to provide A/E Design services for the construction of an approximately 40,000 square foot building consisting mainly of offices, as well as conference areas, lobbies, mailroom, credit union, computer center, storage space, and a loading dock for the U.S. Department of Agriculture in Morgantown, WV. This project has received a LEED Certified rating.

WEST VIRGINIA UNIVERSITY - MOUNTAINLAIR STUDENT UNION

The preparation of a report to identify, detail solutions, and provide cost estimates for resolving potential snow/ice hazards at the West Virginia University Mountainlair.

CAMP WASHINGTON CARVER, CLIFFTOP, WEST VIRGINIA

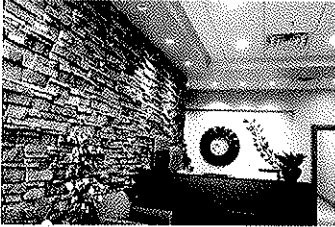
H. F. Lenz teamed with Paradigm to provide design and engineering services for a permanent performance stage and a permanent box office/entry point at Camp Washington Carver.

4.2.3a Project Organization



a. **Paradigm Architecture, Inc.**

Paul A. Walker, AIA — Principal-in-Charge | Design Architect
Todd G. Christopher, AIA — Project Manager
Jonathan L. Perry, AIA, LEED^{AP} — LEED Coordinator
David H. Snider, AIA — Specifications
Steve Konya II — Construction Administrator
Aaron White — CAD/BIM Manager | Production
Tyler Etris — Intern Architect | CAD/BIM Production



Glenmark Offices

Office Locations: 2223 Cheat Road, Suite 300
Morgantown, WV 26508

2450 Valleydale Road, Suite 150
Birmingham, AL 35244

The project will be managed and the work performed out of the Morgantown, West Virginia, office.



*Two Waterfront Place
Conference Center*

Allegheny Design Services — Structural Engineering

David R. Simpson, PE — Principal-in-Charge | Project Manager
Jason D. Robinson, EI — Structural Engineer
Daniel Stanislawski, EI — Structural Engineer



*Two Waterfront Place
Conference Center*

H. F. Lenz Company — Civil & MEP Engineers

Steven J. Gridley, PE — Principal-in-Charge
Joel C. Shumaker, PE, LEED^{AP} — Project Electrical Engineer
John M. Weiland, PE, LEED^{AP} — Mechanical Engineer
Steve J. Kormanik, CPD — Plumbing | Fire Protection Designer
Jeffrey A. McKendree, CET — Fire Protection Designer
James c. Kohler, PE — Civil Engineer

4.2.3b Project Organization



Schedule (times are rounded up to nearest whole week):

Notice to Proceed by Owner

Phase 1:

Pre-Design Phase (8 Weeks Total):

- Design Kickoff Meeting and Program Verification – 1 week
- Compile and Review Available As-Built Drawings – 1 week
- On site Facilities Assessment and Review – 1 week
- Compile Facilities Assessment Report & Publish Findings with Initial Recommendations – 3 weeks
- Owner's Review and Approval of Report and Recommendations - 2 weeks

Phase 2:

Schematic Design Phase (8 Weeks Total):

- Concept Development – 2 weeks
- Owner's Review and Approval of Concepts – 1 week
- Schematic Design – 3 weeks
- Owner's Review and Approval of Schematic Design – 2 weeks

Design Development Phase (15 Weeks Total):

- 50% Design Development Drawings / Specs – 6 weeks
- Owner's Review and Approval of 50% Design Development Package – 1 week
- 100% Design Development Drawings / Specs – 6 weeks
- Owner's Review and Approval of 100% Design Development Package – 2 weeks

Construction Documents Phase (16 Weeks):

- 50% Construction Documents Drawings / Specs – 6 weeks
- Owner's Review and Approval of 50% Design Development Package – 1 week
- 95% Construction Documents Drawings / Specs – 6 weeks
- Owner's Review and Approval of 95% Design Development Package – 2 weeks
- Finalize 100% Construction Documents Drawings / Specs for Bidding Package – 1 Weeks

Bidding Phase (9 Weeks Total):

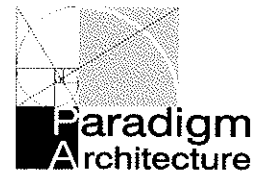
- Advertisement to Bid
- Bidding Period - 4 weeks
- Owner's Review and Approval of Bids – 1 Week
- Negotiate and Process Contract / Purchase Order / Notice to Proceed – 4 Weeks

Phase 3:

Construction Phase

- Notice to Proceed
- Phased Construction – 12 Months (For Initial Two Floors and Infrastructure for future fitups)

Organization Chart



West Virginia Division of General Services

Owner

Paradigm Architecture

Architecture & Project Management

Paul A. Walker, AIA
Principal-in-Charge

Todd G. Christopher, AIA
Project Manager

Jonathan Perry, AIA, LEED^{AP}
LEED Coordinator

David Snider, AIA
Specifications

Steve Konya
Construction Administration

Aaron White
CAD/BIM Manager | Production

Tyler Etris
Intern Architect | CAD/Bim Production

Allegheny Design

Services

Structural

David R. Simpson, PE
Principal-in-Charge | Project Manager

Jason D. Robinson, EI
Structural Engineer

Daniel Stanislawski, EI
Structural Engineer

H. F. Lenz Company

Mechanical/Electrical/Plumbing

Steven J. Gridley, PE
Principal-in-Charge

Joel C. Shumaker, PE, LEED^{AP}
Project Electrical Engineer

John M. Weiland, PE, LEED^{AP}
Mechanical Engineer

Steve J. Kormanik, CPD
Plumbing | Fire Protection

Jeffrey A. McKendree, CET
Fire Protection Designer

James C. Kohler, PE
Civil Engineer

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



One Waterfront Place Space Planning

Morgantown, West Virginia



Paul Walker, President of Paradigm Architecture, was the original architect for the building. Paradigm was then commissioned to provide programming services and reconfiguration of all the divisions within West Virginia University's Administration Services building, which included Finance, Information Technology, Human Resources, WVU Parents' Club, and Internal Audit. Services provided were programming and space planning for reconfiguration of all departments within the building.

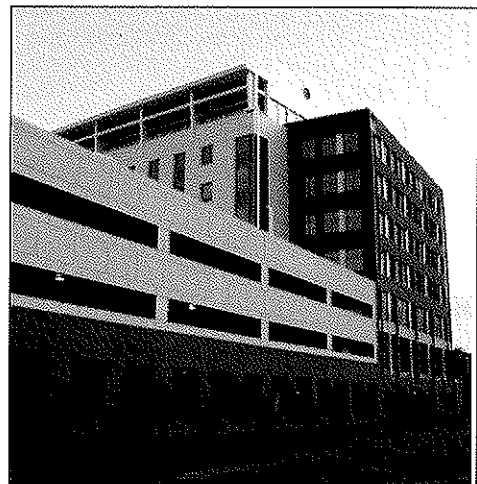
2002 Excellence in Construction Award from the Associated Builders & Contractors, Inc.

Owner: Platinum Properties, LLC
Contact: G. Richard Lane II
150 Clay Street, Suite 410
Morgantown, WV
Phone: 304.284.5013

Design Architect: Paul A. Walker, AIA

Completed: 2009
Cost: \$3 Million
Size: 70,000 Square Feet
Delivery Type: Design-Build

Contractor: WVU In-House Construction





Charleston Federal Center

Charleston, West Virginia



Renovation of a former federal courthouse to provide office space for Social Security. This commission was awarded through a national design competition. Services provided were renovations to exterior of existing building and build-out for government agencies.

*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
Contact: G. Richard Lane II
150 Clay Street, Suite 410, Morgantown, WV
Phone: 304.284.5013

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



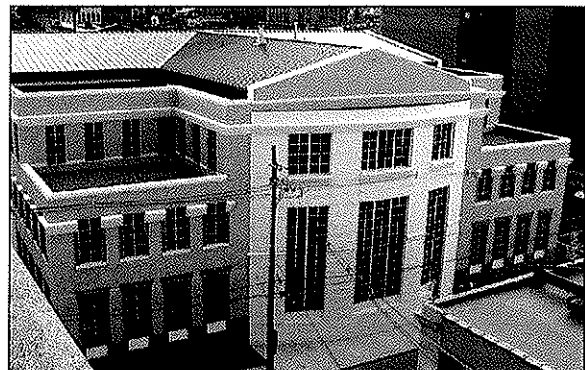
National design competition for the design of a new office building to consolidate federal government agencies into a new structure in a historic district. Full architectural services were provided for the shell building and upfit for government agencies.

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

Owner: Platinum Properties, LLC
Contact: G. Richard Lane II
150 Clay Street, Suite 410, Morgantown, WV
Phone: 304.284.5013

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





Fairmont State University Colebank Hall Renovations

Fairmont, West Virginia



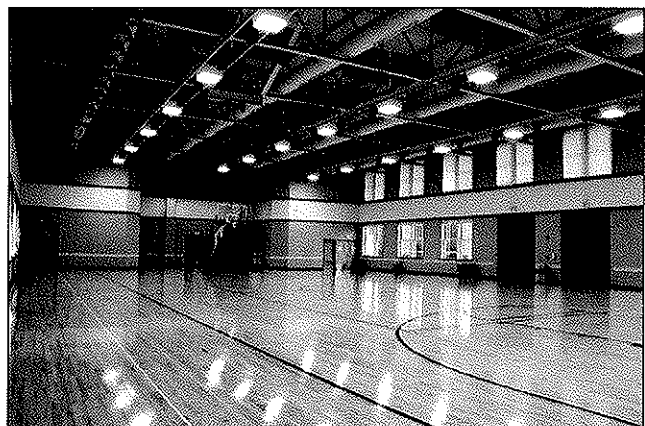
Various renovation projects to a historic classroom building originally built in the 1940s. Projects included reroofing, gymnasium renovations, classroom and administrative office renovations, and a data center build-out. Services provided were programming, space planning, and reconfiguration of existing academic departments.

Owner: Fairmont State University
Contact: Tom Tucker
1201 Locust Avenue, Fairmont, WV
Phone: 304.367.4139

Design Architect: Jonathan L. Perry, AIA
Project Manager: Jonathan L. Perry, AIA

Completed: Winter 2007
Cost: \$1.5 Million
Size: 42,200 Square Feet
Delivery Type: Design-Bid-Build with Competitive Bidding

Contractors: Tmaro Corporation
Marks-Landau Construction
Sutter Roofing
Tom Brown Contracting





Fairmont State University Hardway Hall Portico Renovations

Fairmont, West Virginia



Fairmont State University rehabilitated its administration building known as Hardway Hall. The portico and granite steps on the east (front) elevation were showing signs of structural failure most likely due to water intrusion and/or foundation settlement. In addition, aesthetic repairs were needed to rehabilitate historic elements of the building, such as masonry veneers, wrought iron railings, and terra cotta cornices.

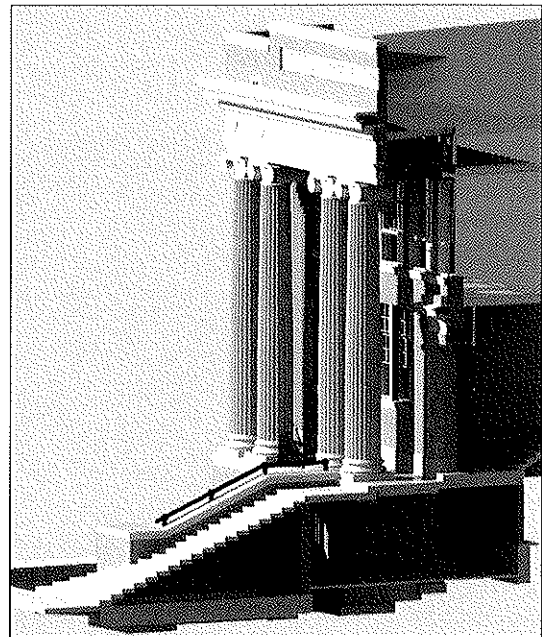
Hardway Hall is listed on the National Register of Historic Places

(Coordinated with the State Historic Preservation Office)

Owner: Fairmont State University
Contact: Tom Tucker
1201 Locust Avenue, Fairmont, WV
Phone: 304.367.4139

Project Manager: Jonathan Perry, AIA, LEED AP
Construction Administration: Steve Konya, II
Services: Architectural
Completion: Fall 2010
Cost: \$333,200
Delivery Type: Design-Bid-Build

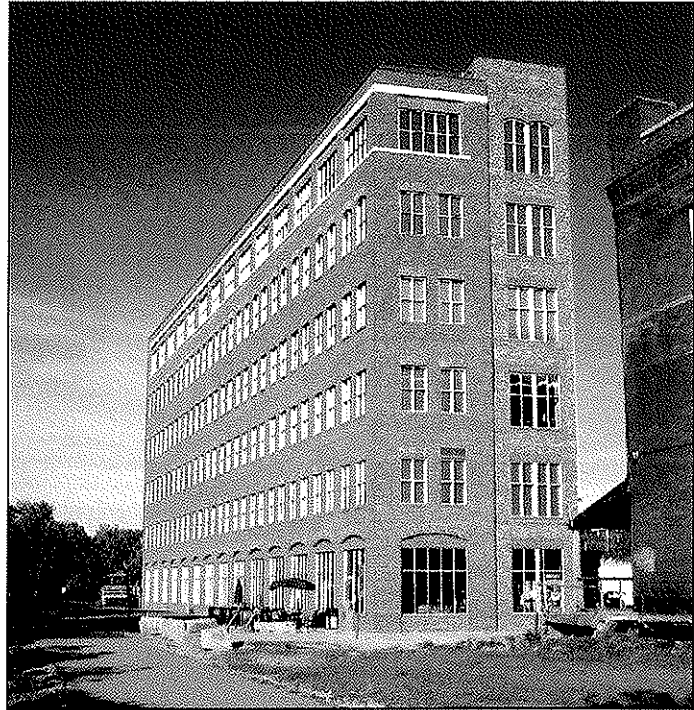
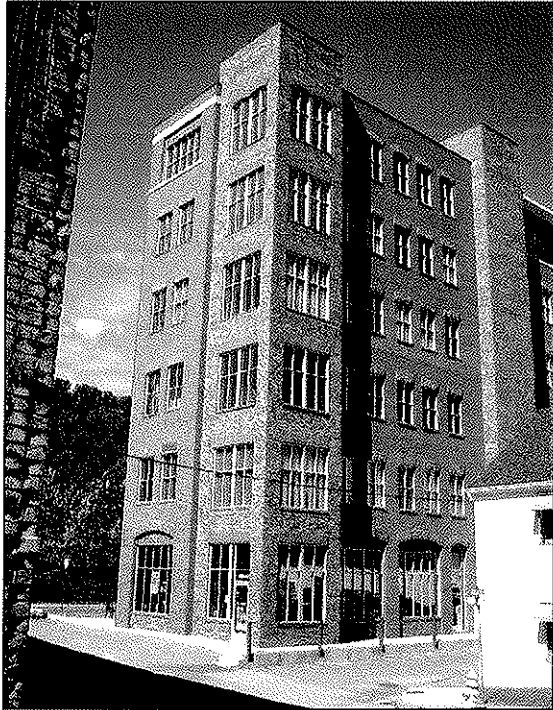
Contractor: Lombardi Development





The Jackson Kelly Building

Morgantown, West Virginia



Designed to fit its historic context in the Wharf District, this office building houses multiple business tenants, including Jackson Kelly PLLC, DMJM Harris, Simpson & Osborne, MetLife, Luttner Financial, and National Biometric Security Project, with restaurant functions on the first floor. Full architectural services were provided for the shell building and all interior tenant build-outs.

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

Owner: Platinum Properties, LLC

Contact: G. Richard Lane II

150 Clay Street, Suite 410

Morgantown, WV

Phone: 304.284.5013

Design Architect: Paul A. Walker, AIA

Project Manager: David H. Snider, AIA

Project Architect: Grant T. Gramstad, AIA

Completed: Spring 2002

Cost: \$4.5 Million (Shell)

Size: 50,000 Square Feet

Delivery Type: Design-Build-Negotiated

Contractor: The March-Westin 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. Full architectural services were provided for the shell building and all interior tenant build-outs.

2008 Best New Construction Award from Main Street Morgantown

Owner: Platinum Properties, LLC

Contact: G. Richard Lane II

150 Clay Street, Suite 410

Morgantown, WV

Phone: 304.284.5013

Design Architect: Paul A. Walker, AIA

Project Architect: Grant T. Gramstad, AIA

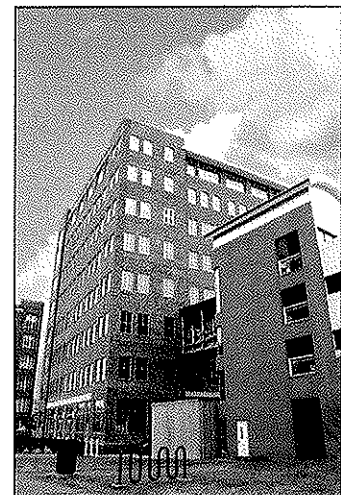
Completed: Winter 2008

Cost: \$10 Million (Shell)

Size: 90,000 Square Feet

Delivery Type: Design-Build-Negotiated

Contractor: The March-Westin Company



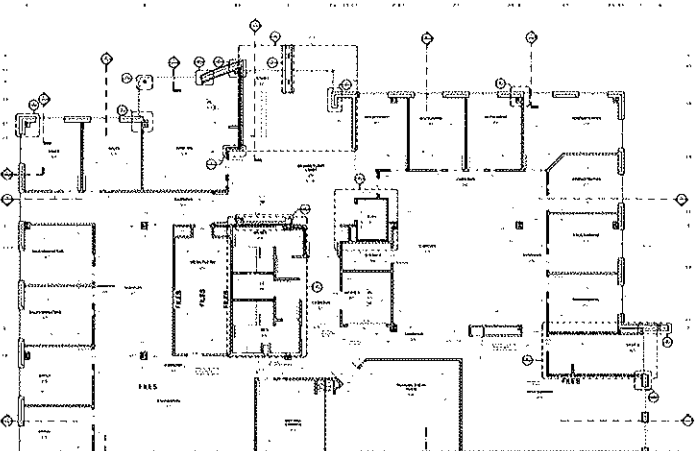


Pillar Innovations Office Building & Warehouse

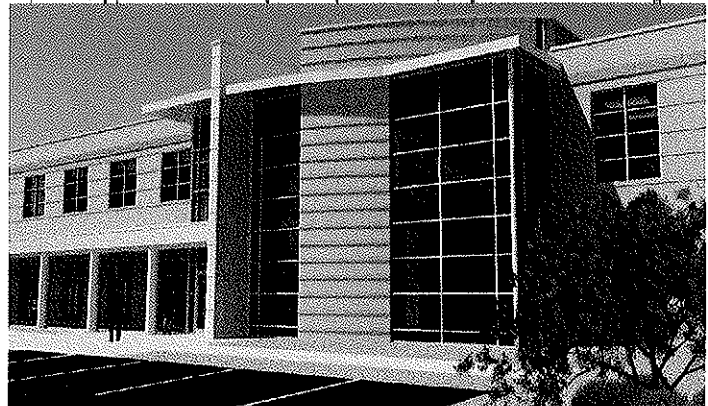
Morgantown, West Virginia



The new facility for Pillar Innovations is comprised of 19,830sf over two floors. The first floor of the building will house the manufacturing & laboratory spaces of the building as well as core components. The second floor consists of offices, open office areas, a training facility, conference room, catering kitchen, support spaces, and core components. The brick exterior of the building is accentuated with brick banding, composite metal panels, and LOW-E reflective glass. The design allows for future expansion for Pillar Innovations in their ever growing market. Full architectural services were provided.



Owner: Beitzel Resources, LLC
Contact: Don Brenneman
12072 Bittinger Road, Grantsville, MD
Phone: 301.245.4107
Project Manager: Paul A. Walker, AIA
Project Architect: Todd Christopher, AIA
Completed: Fall 2011
Cost: \$4.1 Million
Size: 19,828 Square Feet
Delivery Type: Design-Build-Negotiated
Contractor: TEDCO Construction Corporation





United States Department of Energy Office of Legacy Management

West Virginia University Research Park, Morgantown, West Virginia



A new sustainable office and Records Storage Facility for the United States Department of Energy Office of Legacy Management which was 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, including a 1,200 square foot Cold Room, and 23,000 square feet for administration. The administration portion includes both open and individual office space, several conference rooms, a wellness center, locker rooms, a data center, a public research area, and an area for receiving / processing. Full architectural services were provided.

LEED Gold (Core & Shell)

LEED Gold (Commercial Interiors)

2010 Excellence in Construction by the Associated Builders & Contractors, Inc.—WV Chapter

Owner: FD Partners, LLC (now FD Stonewater)

Contact: Claiborne J. Williams
1300 Wilson Blvd., Suite 910
Arlington, VA 22209

Phone: 571.451.0020 ext. 115

Design Architect: Paul A. Walker, AIA

Completed: Fall 2009

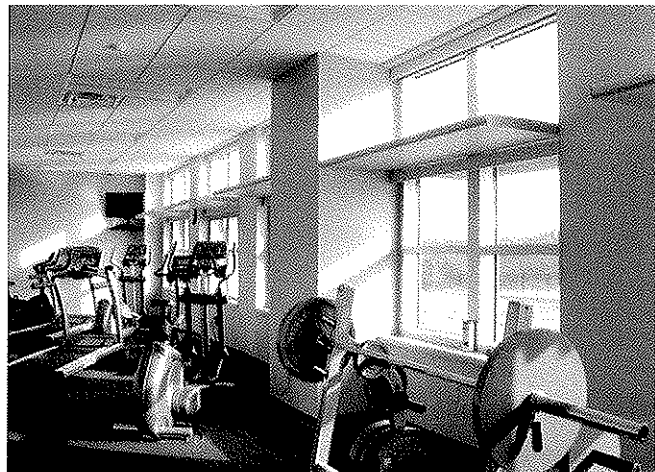
Cost: \$8 Million (Shell)

\$2.7 Million (Tenant Improvements)

Size: approximately 60,000 Square Feet

Delivery Type: Design-Build-Negotiated

Contractor: dck North America, LLC





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 as well as a wellness center. Full architectural services were provided for the shell building and upfit for government agencies.

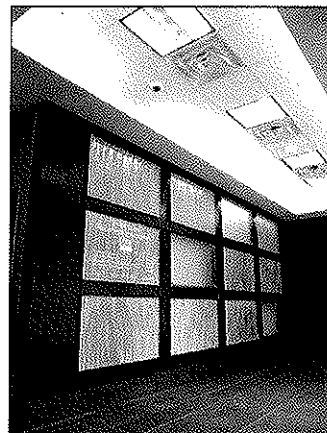
This project is registered as a LEED Certified Building.

Owner: Glenmark Holdings, LLC
Contact: Nick Colasante
6 Canyon Road, Suite 300, Morgantown, WV
Phone: 304.599.3369

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

Completed: Summer 2009
Cost: \$7.5 Million (Shell)
Size: 36,000 Square Feet
Delivery Type: Design-Build Competition

Contractor: The March-Westin Company



4.2.4b References



Mr. Don Brenneman
Beitzel Resources, LLC
12072 Bittinger Road
Grantsville, MD 21536
Phone: 301.245.4107

Pillar Innovations
*New Office Building
& Warehouse*

*West
Virginia
University
Intermodal
Garage*



Mr. G. Richard Lane II AICP
Petroplus Lane, LLC
150 Clay Street, Suite 200
Morgantown, WV 26501-5948
Phone: 304.284-5013

One Waterfront Place
Space Planning
Clarksburg Federal Center
Renovation & Upfit
Charleston Federal Center
Renovation & Build-Out
Jackson Kelly Building
*New Office Building
w/Multiple Tenants*
Marina Tower
New Office Building

*Waterfront
Place*



*Davis
&
Elkins
College
Athletic
Center*



Mr. Tom Tucker
Fairmont State University
1201 Locust Avenue
Fairmont, WV 26554-2470
Phone: 304.367-4139

Hardway Hall
Portico Renovations
Colebank Hall
*Renovations-Administrative Office,
Classroom, Gymnasium, Data
Center Build-Out, Reroofing*

*Waterfront
Marina
&
Boathouse
Bistro*



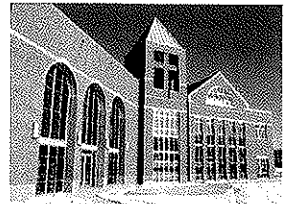
*Glade
Springs
Clubhouse
Expansion*



Mr. Claiborne J. Williams
FD Stonewater
1300 Wilson Blvd., Suite 910
Arlington, VA 22209
Phone: 571.451.0020

**U. S. Department of Energy
Office of Legacy Management**
*New Sustainable Office Building
& Records Storage Facility*

*Chestnut
Ridge
Church*



Mr. Nick Colasante
Glenmark Holdings
6 Canyon Road, Suite 300
Morgantown, WV 26508-9232
Phone: 304.599.3369

U. S. Department of Agriculture
New Sustainable Office Building

*Fairmont
State
University
Conference
Center*





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
GSD126401

PAGE
1

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

VENDOR

**RFQ COPY
 TYPE NAME/ADDRESS HERE**

Paradigm Architecture, Inc.
 2223 Cheat Road, Suite 300
 Morgantown, WV 26508

SHIP TO

DEPARTMENT OF ADMINISTRATION
 GENERAL SERVICES DIVISION
 BUILDING FOUR
 112 CALIFORNIA AVENUE
 CHARLESTON, WV
 25305 304-558-2317

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
03/21/2012				
BID OPENING DATE: 04/12/2012		BID OPENING TIME 01:30PM		

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-07		
A&E SERVICES BUILDING 4 RENOVATION EXPRESSION OF INTEREST (EOI) THE WEST VIRGINIA STATE PURCHASING DIVISION FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF GENERAL SERVICES, IS SOLICITING EXPRESSIONS OF INTEREST FOR ARCHITECTURAL AND ENGINEERING SERVICES FOR RENOVATIONS TO BUILDING #4 LOCATED ON THE WEST VIRGINIA STATE CAPITOL COMPLEX IN CHARLESTON, WEST VIRGINIA PER THE ATTACHED SPECIFICATIONS. TECHNICAL QUESTIONS CONCERNING THIS SOLICITATION MUST BE SUBMITTED IN WRITING TO KRISTA FERRELL IN THE WEST VIRGINIA STATE PURCHASING DIVISION VIA FAX AT 304-558-4225 OR VIA EMAIL AT KRISTA.S.FERRELL@WV.GOV. DEADLINE FOR ALL TECHNICAL QUESTIONS IS 04/05/2012 AT THE CLOSE OF BUSINESS. ANY TECHNICAL QUESTIONS RECEIVED WILL BE ANSWERED BY FORMAL WRITTEN ADDENDUM TO BE ISSUED AFTER THE DEADLINE HAS LAPSED. VERBAL COMMUNICATION: ANY VERBAL COMMUNICATION BETWEEN THE VENDOR AND ANY STATE PERSONNEL IS NOT BINDING. ONLY INFORMATION ISSUED IN WRITING AND ADDED TO THE EOI BY FORMAL WRITTEN ADDENDUM BY PURCHASING IS BINDING.						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE 304.284.5015	DATE April 11, 2012
TITLE President	FEIN 63-1263568	ADDRESS CHANGES TO BE NOTED ABOVE

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



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

Request for Quotation

RFQ NUMBER
GSD126401

PAGE
2

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

VENDOR

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

SHIP TO

DEPARTMENT OF ADMINISTRATION
 GENERAL SERVICES DIVISION
 BUILDING FOUR
 112 CALIFORNIA AVENUE
 CHARLESTON, WV
 25305 304-558-2317

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
03/21/2012				

BID OPENING DATE: **04/12/2012** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	QAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>NO CONTACT BETWEEN THE VENDOR AND THE AGENCY IS PERMITTED WITHOUT THE EXPRESS WRITTEN CONSENT OF THE STATE BUYER. VIOLATION MAY RESULT IN THE REJECTION OF THE BID. THE STATE BUYER NAMED ABOVE IS THE SOLE CONTACT FOR ANY AND ALL INQUIRIES AFTER THIS EOI HAS BEEN RELEASED.</p> <p>EXHIBIT 10</p> <p>REQUISITION NO.: GSD126401.....</p> <p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NO.'S:</p> <p>NO. 1 . N/A</p> <p>NO. 2 . N/A</p> <p>NO. 3 . N/A</p> <p>NO. 4 . N/A</p> <p>NO. 5 . N/A</p> <p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.</p> <p>VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE</p>						

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

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LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.</p> <p style="text-align: center;"> SIGNATURE Paradigm Architecture, Inc. COMPANY April 11, 2012 DATE </p> <p>NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE EOI.</p> <p>REV. 09/21/2009</p> <p>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.</p> <p style="text-align: center;">NOTICE</p> <p>A SIGNED EOI MUST BE SUBMITTED TO:</p> <p style="text-align: center;"> DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130 </p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE 	TELEPHONE 304.284.5015	DATE April 11, 2012
TITLE President	FEIN 63-1263568	ADDRESS CHANGES TO BE NOTED ABOVE

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RFQ COPY

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BID OPENING DATE: **04/12/2012** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>THE EOI SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE EOI MAY NOT BE CONSIDERED:</p> <p>SEALED EOI</p> <p>BUYER: KRISTA FERRELL-FILE 21</p> <p>EOI. NO.: GSD126401</p> <p>EOI OPENING DATE: 04/12/2012</p> <p>EOI OPENING TIME: 1:30 PM</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR EOI: 304.284.5014</p> <p>CONTACT PERSON (PLEASE PRINT CLEARLY): Paul A. Walker</p> <p>***** THIS IS THE END OF RFQ GSD126401 ***** TOTAL: _____</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE 304.284.5015	DATE April 11, 2012
TITLE President	FEIN 63-1263568	ADDRESS CHANGES TO BE NOTED ABOVE

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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.

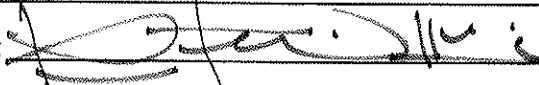
"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality 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:  Date: April 11, 2012

State of West Virginia

County of Monongalia, to-wit:

Taken, subscribed, and sworn to before me this 11th day of April, 2012.

My Commission expires May 28, 2020.

AFFIX SEAL HERE

NOTARY PUBLIC 