

18 September 2018

Ms. Michelle L. Childers
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

RECEIVED
2018 SEP 19 AM 10:15
WV PURCHASING
DIVISION

Re: **Renovation of Miners Health, Safety, & Training Building**
Request for Proposals for the
Office of Miners Health, Safety, & Training

Dear Ms. Childers:

Paradigm Architecture Inc. is pleased to submit our proposal for architectural/engineering services for evaluation, design, and construction phase services for renovation of Building 74 located off-campus from the main West Virginia Capitol Complex. We have assembled our team of West Virginia-based professionals to present our qualifications for completing this project.

Paradigm Architecture previously completed the U.S. Department of Agriculture for the General Services Administration and the Office of Legacy Management for the U. S. Department of Energy both in Morgantown and both LEED certified as well as a MSHA renovation in Bridgeport, West Virginia. Paradigm recently renovated an existing automobile welding shop in a new science wing which included labs and support space. We have a solid history of renovation projects with over 180 projects. We would encourage you to contact our references and verify our performance on previous projects.

For the renovation of the Miners Health, Safety, & Training project, we have included the services of Miller Engineering of Morgantown to provide Mechanical, Electrical, and Plumbing services; Allegheny Design Services to provide Structural Engineering; and Ascent Consulting and Engineering for Civil. We have extensive relationships with these professionals and have successfully completed many projects together.

Thank you again for the opportunity to submit this proposal and we look forward to working with the Miners Health, Safety & Training to complete this project.

Best regards,



Paul A. Walker, AIA, President

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Paradigm Qualifications & Experience

Resumes | Certs | Staff Plan | References

Experience

Approach & Methodology

Miller Engineering- MEP

Allegheny Design - Structural

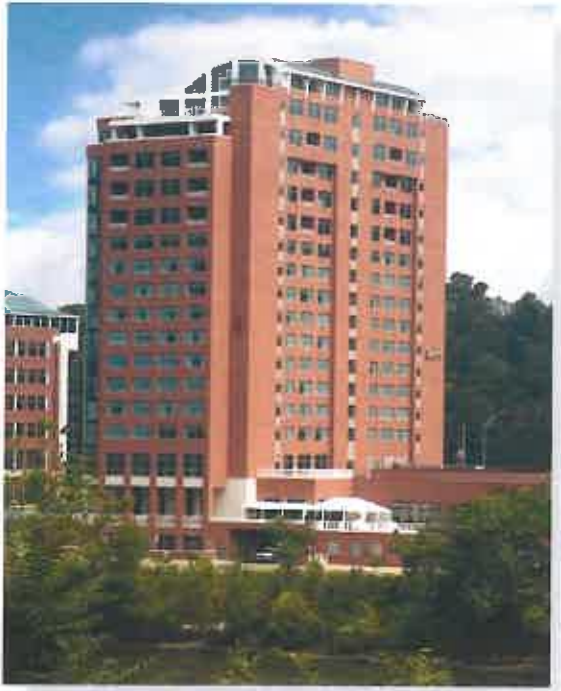
Ascent Consulting & Engineering - Civil

Executed Documents



Paradigm Qualifications & Experience





Two Waterfront Place

Firm History

Paradigm Architecture was formed in October of 2000 by a group of like-minded 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 ten includes five registered architects, three architectural technicians, and two administrative assistants.

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.



West Virginia University Mountaineer Station

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

*2017 – UClub Sunnyside Student Housing
Morgantown, WV*

*2014 – WVU College Park Student Housing
Morgantown, WV*

*2010 – Morgantown Event Center
Morgantown, WV*

*2010 – GSA USDA Office Building
Morgantown, WV*

2010 – WVU Transportation Center and Garage

*2007 – Waterfront Marina
Morgantown, WV*

*2007 – Chestnut Ridge Church
Morgantown, WV*

*2004 – Madden Student Center
Davis & Elkins College
Elkins, WV*

*2004 – Two Waterfront Place Hotel
& Conference Center
Morgantown, WV*

*2003 – The Jackson Kelly Building
Morgantown, WV*

*2001 – Russell Cancer Center
Alexander City, AL*

Firm Profile

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

EXPERIENCE

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

Governmental

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

Hospitality/Multi-Family Housing

Our multi-family housing experience spans a variety of client types including student dormitories, hotel project, elderly housing, and private residential including single family homes, townhouses, and high end condominiums. West Virginia University Downtown 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.



WVU Honors Dorm

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 Coming 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 & Garage

Morgantown, WV

International Parking Institute Awards of Excellence

2011 – Honorable Mention

Mountaineer Station (WVU Transportation Center)

Morgantown, WV

Educational

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

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.

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.

Healthcare | Institutional

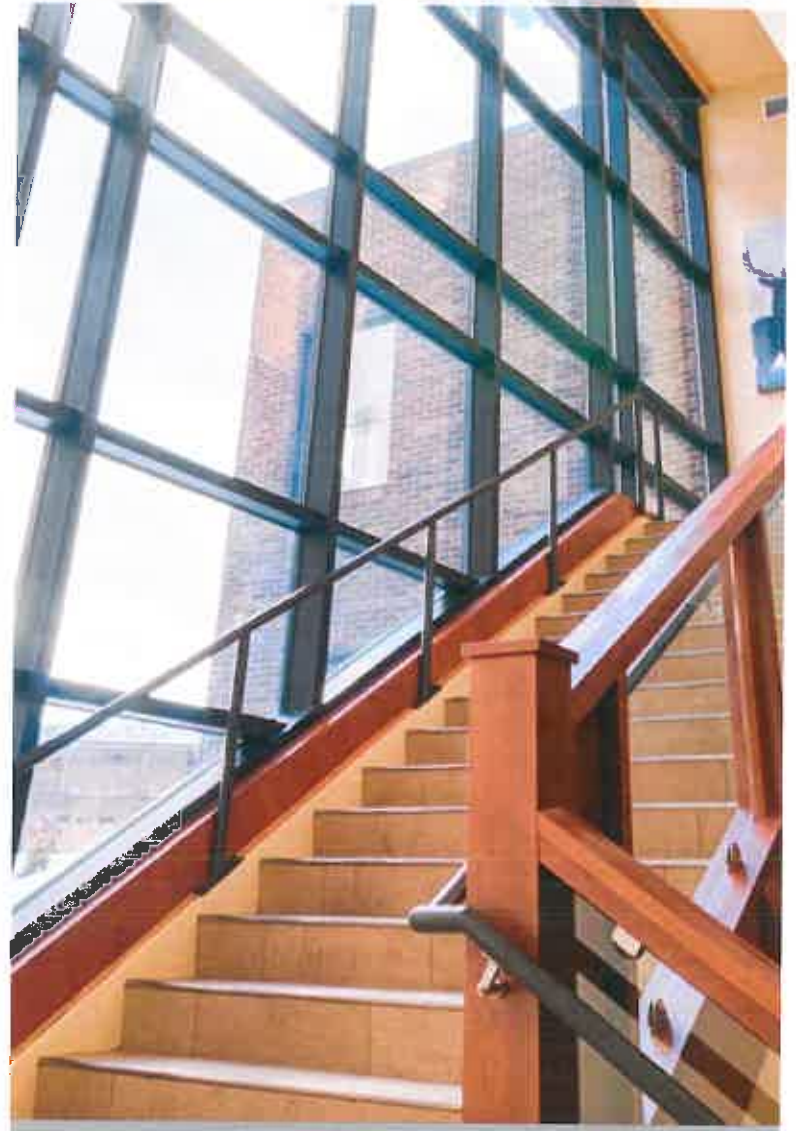
Medical and retirement life care projects dominate our staff's institutional portfolio. Medical projects include outpatient surgery centers, patient care rooms, emergency medicine, surgery suites, labor & delivery suites, Magnetic Resonance Imaging, X-ray diagnostic services, and heart catheterization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

Food Service

We have been privileged to design many food service facilities. These include private restaurants as well as large, full service commercial catering kitchens and banquet facilities. Examples include Two Waterfront Place Hotel and Conference Center, Morgantown Event Center, Regatta Bar and Grille, Boathouse Bistro, Sargasso Restaurant, Trussville Family Center, and Shono's Restaurant.



Resumes | Certifications
Staffing Plan | References



Paul A. Walker, AIA

Principal-in-Charge | Design Architect

Paul has 35 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. Paul'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: hospitality, medical, commercial, corporate, educational, governmental, industrial, institutional, recreational, religious, and residential. The scope of projects ranges from a few thousand dollars to over 78 million dollars.

Experience

**The General Services Administration for the
U. S. Department of Agriculture Office Building**
Morgantown, West Virginia

Marina Tower Office Building
Morgantown, West Virginia

Jackson Kelly Office Building
Morgantown, West Virginia

**U. S. Department of Energy
Office of Legacy Management Records**
Morgantown, West Virginia

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

Cacapon Resort State Park Lodge Expansion
Berkeley Springs, West Virginia

One Waterfront Place Space Planning
Morgantown, West Virginia

**Monongalia General Hospital - Multiple Renovations
Hazel Ruby McQuain Family Birth Center
Major Lab Renovation**
Morgantown, West Virginia

Morgantown Marriott at Waterfront Place Renovations
Morgantown, West Virginia

**National Oceanic and Atmospheric Administration Cyber Security
Operations Center Expansion**
Fairmont, West Virginia

Charleston Federal Center Renovations*
Charleston, West Virginia

Education

*Bachelor of Architecture
University of Tennessee
Knoxville, 1982*

Affiliations

*American Institute of Architects
NCARB #53858*

Registrations

*West Virginia #2626
Alabama #5398
Florida #AR95045
Georgia #RA015225
Maryland #17612
North Carolina #4910
Pennsylvania #RA405117
South Carolina #8238
Tennessee #104766
Virginia #401015994*

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

The West Virginia Board of Architects

certifies that

PAUL A WALKER

is registered and authorized to practice
Architecture in the State of West Virginia.

In testimony whereof this certificate has been issued
by the authority of this board.

Certificate Number [REDACTED]

The registration is in good standing until June 30, 2018.



A handwritten signature in cursive script, reading "Emily Papadopoulos", written in black ink on a light-colored background.

Board Administrator

Todd G. Christopher, AIA

Project Manager

Todd's responsibilities have included development of construction documents and drawings, project management, marketing presentations, bidding procedures, and construction administration. He has a combined 15 years of experience in commercial, corporate, hospitality, educational, performing arts, healthcare, continuing care retirement communities, laboratories, industrial, institutional, sports facilities, and multi-family residential. and joined Paradigm Architecture in February 2009.

Experience

The General Services Administration for the
U. S. Department of Agriculture Office Building
Morgantown, West Virginia

Marina Tower Office Building
General Services Administration Office Space
Morgantown, West Virginia

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

Cacapon Resort State Park Lodge Expansion
Berkeley Springs, West Virginia

Morgantown Marriott at Waterfront Place Renovations
Morgantown, West Virginia

West Virginia University - Parkersburg
New Science Wing Fit-Up & Lab Classrooms
Parkersburg, West Virginia

Monongalia General Hospital - Multiple Renovations
Hazel Ruby McQuain Family Birth Center
Major Lab Renovation
Morgantown, West Virginia

Catawba Valley Medical Center Women's/Oncology
Expansion & Surgery Renovations
Columbia, South Carolina

University of North Carolina at Greensboro*
Petty Building Renovation
Greensboro, North Carolina

North Carolina State University*
Frank Thompson Hall Renovation
Raieigh, North Carolina

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

Education

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

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

Affiliations

American Institute of Architects
NCARB [REDACTED]

Registrations

West Virginia [REDACTED]
North Carolina # [REDACTED]

The West Virginia Board of Architects

certifies that

TODD G. CHRISTOPHER

is registered and authorized to practice
Architecture in the State of West Virginia.

In testimony whereof this certificate has been issued
by the authority of this board.

Certificate Number [REDACTED]

The registration is in good standing until June 30, 2018.



A handwritten signature in cursive script, reading "Emily Papadopoulos", written on a light-colored rectangular background.

Board Administrator

David H. Snider, AIA

Specifications | Quality Control

Mr. Snider graduated from Auburn University with a degree in architecture and practiced in North Carolina before returning to his hometown of Birmingham, Alabama. As one of the founding members he has spent the last 17 years of his 33-year career with Paradigm Architecture. His responsibilities with Paradigm Architecture have included project management, construction documents, contract administration, and writing specifications. Project experience includes hospitality, 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.

Experience

**The General Services Administration for the
U. S. Department of Agriculture Office Building**
Morgantown, West Virginia

Marina Tower Office Building
Morgantown, West Virginia

Jackson Kelly Office Building
Morgantown, West Virginia

**U. S. Department of Energy
Office of Legacy Management Records**
Morgantown, West Virginia

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

Cacapon Resort State Park Lodge Expansion
Berkeley Springs, West Virginia

One Waterfront Place Space Planning
Morgantown, West Virginia

**Monongalia General Hospital - Multiple Renovations
Hazel Ruby McQuain Family Birth Center
Major Lab Renovation**
Morgantown, West Virginia

Russell Medical Center Additions & Alterations
Alexander City, Alabama

**National Oceanic and Atmospheric Administration Cyber Security
Operations Center Expansion**
Fairmont, West Virginia

Education

*Bachelor of Architecture
Auburn University
Alabama, 1984*

*Roofing Technology
The Roofing Industry
Educational Institute, 1995*

Affiliations

American Institute of Architects

Tyler B. Etris, AIA

Architect | Design | Production

Tyler's responsibilities have included development of schematic design, design development, and construction drawings. Since joining Paradigm in 2007, Tyler has aided in the design of projects, when combined, add up to be over \$200 million. He also provides marketing support for proposals and presentations. Project types have included healthcare, commercial, corporate, educational, hospitality, institutional, multi-family housing and retail.

Experience

Cacapon Resort State Park Lodge Expansion
Berkeley Springs, West Virginia

Canaan Valley Resort State Park Lodge Renovations & Additions
Davis, West Virginia

**West Virginia University Health Sciences Center
Physical Therapy | Occupational Therapy Renovation**
Morgantown, West Virginia

**West Virginia University Health Sciences Center
Museum Renovation**
Morgantown, West Virginia

Morgantown Marriott at Waterfront Place Renovations
Morgantown, West Virginia

**West Virginia University Coliseum
Visitors' Center Renovation**
Morgantown, West Virginia

**West Virginia University School of Pharmacy
Lab Renovation**
Morgantown, West Virginia

Mountaineer Wellness & Education Complex - Aquatic/Track Facility
Morgantown, West Virginia

West Virginia University Wrestling Locker Room Renovations
Morgantown, West Virginia

Education

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

*Krakow Polytechnic University
Krakow, Poland
Spring, 2010*

Affiliations

*American Institute of Architects
First United Advisory Group*

Registrations

West Virginia [REDACTED]

The West Virginia Board of Architects

certifies that

TYLER BLAKE ETRIS

is registered and authorized to practice
Architecture in the State of West Virginia.

In testimony whereof this certificate has been issued
by the authority of this board.

Certificate Number



The registration is in good standing until June 30, 2018.

A handwritten signature in cursive script, appearing to read "Gracie R. [unclear]".

Board Administrator

Steve Konya

Construction Administration

Steve's responsibilities have included development of construction drawings and documents, construction administration, project management tasks, marketing, and photography. He has a combined 21 years of experience in commercial architecture and has been with Paradigm Architecture for 12 years. Project types have included commercial, recreational, corporate, educational, hospitality, institutional, and retail.

Experience

**The General Services Administration for the
U. S. Department of Agriculture Office Building**
Morgantown, West Virginia

Marina Tower Office Building
Morgantown, West Virginia

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

Cacapon Resort State Park Lodge Expansion
Berkeley Springs, West Virginia

**West Virginia University Oglebay Hall
Forensics Lab Facilities Renovation**
Morgantown, West Virginia

Glade Springs Resort & Conference Center
Daniels, West Virginia

West Virginia University Aquatics Lab Renovation
Morgantown, West Virginia

Fairmont State University Colebank Hall Data Center Build-Out
Fairmont, West Virginia

Fairmont State University Colebank Hall Renovations
Fairmont, West Virginia

Fairmont State University Hunt Haught Hall Renovations
Fairmont, West Virginia

Fairmont State University Conference Center & Classroom Fitup
Fairmont, West Virginia

West Virginia University Stewart Hall Renovations
Morgantown, West Virginia

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

Aaron White

Senior CAD/BIM Manager | Production

Mr. White's responsibilities have included development of construction drawings and documents and project management tasks. He has a combined 15 years of experience in commercial architecture and has been with Paradigm Architecture for 9 years. Project types have included renovations, healthcare, commercial, corporate, educational, hospitality, institutional, residential, and retail.

Experience

National Oceanic and Atmospheric Administration Cyber Security Operations Center Expansion
Fairmont, West Virginia

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

Cacapon Resort State Park Lodge Expansion
Berkeley Springs, West Virginia

**General Services Administration
Federal Bureau of Investigation
Third Floor Renovations**
Clarksburg, West Virginia

**Marina Tower - WVU Administrative Offices Tenant Upfit
Second and Fourth Floors**
Morgantown, West Virginia

Marina Tower - KCI Technologies Tenant Upfit
Morgantown, West Virginia

Marina Tower - GSA Mollohan Tenant Upfit
Morgantown, West Virginia

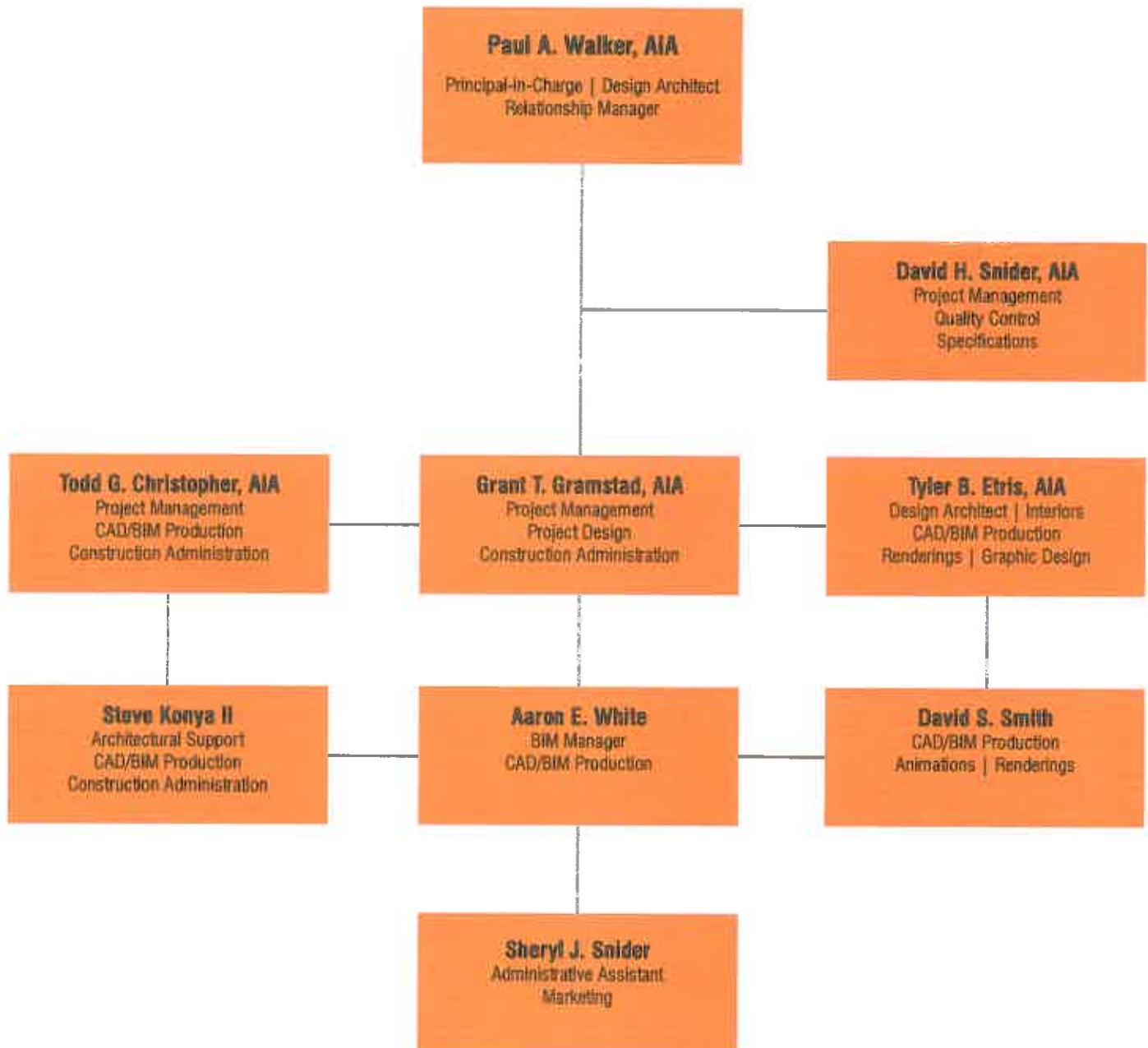
West Virginia University Mountaineer Station
Morgantown, West Virginia

Mountaineer Wellness & Education Complex - Aquatic/Track Facility
Morgantown, West Virginia

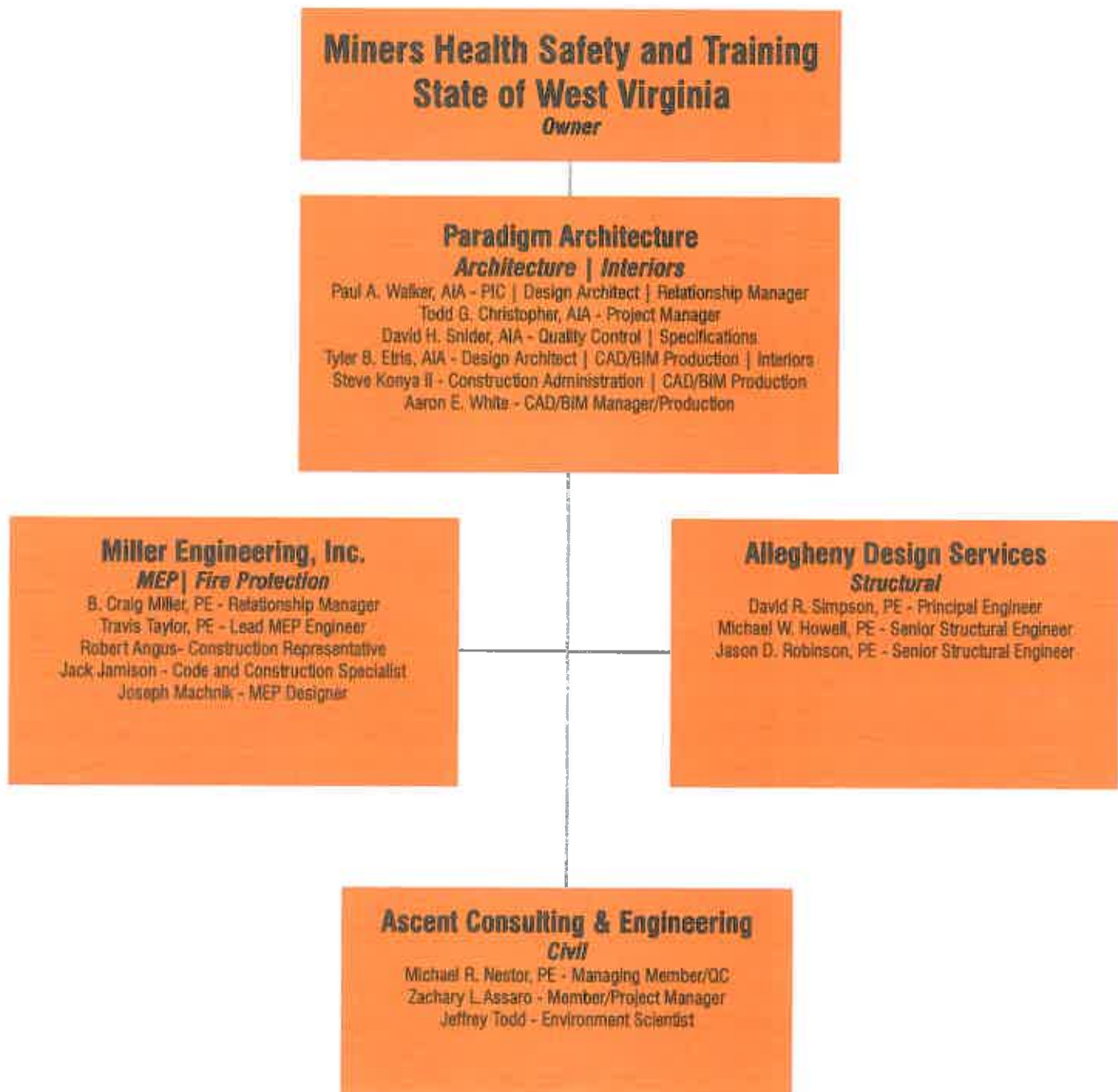
Morgantown Event Center and Parking Garage
Morgantown, West Virginia

Education
*Computer-Aided
Drafting/Design*
*Morris County Vocational
Technical School*
Denville, New Jersey, 1990

Paradigm Organization Chart



Team Organization Chart



References

Mr. Brad S. Leslie

WV Department of Natural Resources
Parks and Recreation Section
324 Fourth Avenue, Room 203
South Charleston, WV 25303
(304) 558-2764
Brad.S.Leslie@wv.gov

Mr. Brad Calandrelli

Director of Facilities and Property Management
High Technology Foundation
1000 Technology Drive, Suite 1000
Fairmont, WV 26554
(304) 333-6821
bcalandrelli@wvhtf.org

Mr. Mark R. Nesselroad

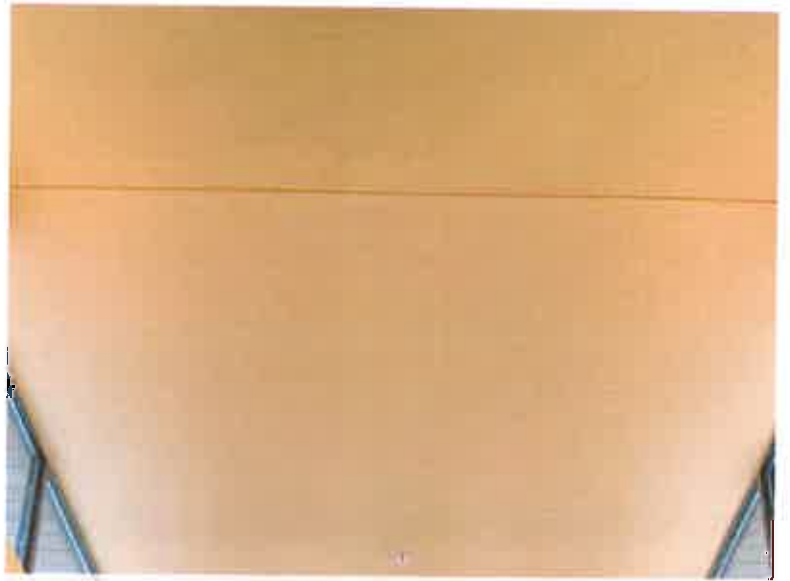
CEO
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Mr. John Sommers

Project Management
West Virginia University
Design and Construction Services
PO Box 6572
Morgantown, WV 26506-6572
(304) 293-2856
John.Sommers@mail.wvu.edu

Mr. Rich Lane

Petroplus & Associates, Inc.
Platinum Properties
Two Waterfront Place, Suite 1201
Morgantown, WV 26501
(304) 284-5000
Lane@petropluslane.com



Experience



Renovation & Upfit Experience

Paradigm Architecture has a solid history of renovation projects (180+), 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 - Morgantown, WV
Health Sciences Center PT-OT Clinic Renovation
Press Box Renovation
School of Pharmacy Lab Renovation
Health Sciences Center Museum
Oglebay Hall Forensics Lab Facilities Renovation
Aquatics Lab Renovation
WVU Parkersburg New Science Wing - Lab Classrooms
Coaches Locker Room Renovation
Wrestling Locker Room Renovation
Milan Puskar Stadium Renovation Construction Admin
Milan Puskar Stadium Press Box Suites Renovation
Milan Puskar Stadium Scoreboard Addition
Milan Puskar Stadium Touchdown Terrace Addition
Milan Puskar Stadium Concession Stand Addition
Multiple Coliseum Renovations
- Team Shop & Phys Ed Department
- Upper Concourse & HVAC Upgrades
- Phys Ed Offices
Marina Tower - 2nd & 4th Floor Upfits
Administrative Offices Build-Out - Jackson Kelly Building
Coliseum Visitors' Center Addition
Mountainlair Student Union Renovations
Vandalia Hall Stair Addition
Stewart Hall General Counsel Renovations
Data Center Relocation Study
Visitors' Resource Center Renovation
Creative Arts Center Addition & Renovations
Creative Arts Center Rehearsal Room
Creative Arts Center - Construction Administration
One Waterfront Place Space Planning and Reconfiguration

West Virginia University—Parkersburg

New Science Wing—Lab Classrooms

West Virginia University—Potomac State

Catamount Place Entrance Upgrade Renovations

West Virginia University—Beckley

Barnes & Noble Store @ WVU Beckley Library

University of Montevallo - Montevallo, AL

Peterson House Renovations

Barnes & Noble Campus bookstore Renovation

University of Alabama @ Birmingham

Bartow Arena Basketball Locker Room Renovations

Russell Medical Center - Alexander City, AL

Wound Care Center

Master Plan

Parking Expansion

Sleep Lab

Orthopedic Surgery

ER Canopy

Cath Lab Renovations

Satellite Lab

Additions & Alterations

Eye Surgery

Pharmacy Renovations

PET Scanner

Cancer Center Renovation

Dialysis Suite

MRI & Open MRI Addition

Hospice House

Nurse Station Renovations

CT Renovations

Linear Accelerator Addition

Women's Center

Lab Addition and Renovation

Doctors' Parking

Information Technology Suite

Physical Therapy

Multiple Doctors' Offices (13+)

Pre-Admit Testing

Education Department Renovation

X-Ray Renovations

Emergency Department Renovations

Cafeteria Renovation

West Virginia University Hospitals - Morgantown, WV

POC Buildings - 2nd, 3rd, & 4th Floor Renovation

Ruby Office Complex Renovation

Cheat Lake Clinic

ENT/MRI First Floor Renovation

Anesthesiology Suite Renovation

HSC PT/OT Clinic Renovation

West Virginia Division of Natural Resources

Cacapon Resort State Park Lodge Expansion & Park

Improvements - Berkeley Springs, WV

Canaan Valley Resort/Conference Center Renovations - Davis, WV

Fairmont State University - Fairmont, WV

Data Center Expansion

Colebank Hall Renovations

Falcon Conference Center & Classroom Fitup

Hunt Haught Hall Entrance Stairway Renovations

Hardway Hall Portico 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

Hunt Haught Hall Greenhouse Renovations

Hunt Haught Hall Window Replacement Renovation

Musick Library Roof Renewal

Renovation & Upfit Experience

Lanier Memorial Hospital - Alexander City, AL
ICU/Cardiopulmonary/Pharmacy/Classrooms & Offices
Renovation
Surgery & OB Renovations
Emergency Department Renovations
Replacement CT Project

American Red Cross - Nationwide
West Park Drive Conference Room Fitup, Birmingham, AL
Blood Services Distribution Center & Chapter Services
Renovation, Chicago, IL
Blood Donor Center Renovation, Myrtle Beach, SC
Blood Donor Center Renovation, Virginia Beach, VA
Blood Donor Center Renovation, Madison, WI
Regional Blood Donor Center Renovations, San Diego, CA
Interior Office Renovations to St Vardell Lane Facility,
Charlotte, NC
Biomedical Lab Interior Renovations, Rio Pedras Facility,
San Juan, PR
Relocation of Testing Support, Charlotte, NC
Relocation of Chapter Operations & Biomed Blood Donor
Center, Springfield, MA
Alt Operations Site, Richmond, VA
IRL Renovations, Houston, TX

WV Department of Health and Human Services

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

Monongalia General Hospital - Morgantown, WV

Lab Renovation (Blood Bank/Histology/Chemistry)
Cardiology Office Renovation
Microlab Renovation
Family Birthing Center Renovation
North Tower West AHU Renovation
IT Office Renovation
Kitchen & Loading Dock Renovation
MRI Renovation

Davis & Elkins College - Elkins, WV
Madden Student Center

Glade Springs Resort - Daniels, WV
Hotel and Conference Center Addition/Renovation
Clubhouse Renovation
Leisure Center Renovation

Cellular Sales (a Verizon Retailer) - AL/FL
Over 20 different interior/exterior renovations projects

U. S. Postal Service - WV
Salem, WV Main Office HVAC Replacement
Clarksburg, WV Finance Station HVAC Upgrade
Clarksburg, WV Processing & Distribution Facility - Vehicle
Maintenance Facility - Reseal Parking
Spencer, WV Main Office Boiler Replacement
Weston, WV Main Office Retaining Wall Addition
Weston, WV Main Office Regrade Parking Lot
Grafton, WV Main Office Front Steps & Handrails
Fairmont, WV Main Office Repavement

National Oceanic and Atmospheric Administration Cyber Security
Operations Center Expansion - Fairmont, WV
Hampton Center Renovations - Morgantown, WV
Benjamin Russell High School Addition/Renovations - Alexander
City, AL
MVB Insurance Upfit - Marina Tower - Morgantown, WV
Domino's South Park - Morgantown, WV
Frank Anthony's Pizza @ Beech View Place - Morgantown, WV
Coyote Logistics Upfit - Birmingham, AL
Morgantown Marriott at Waterfront Place Renovations - WV
Marina Tower Upfit Suite 503 - Morgantown, WV
GSA Tenant Renovations, Clarksburg, WV
BTS Technologies Office Renovation - Homewood, AL
Friendly Nail Salon Upfit - Morgantown, WV
Smoothie King Upfit - Morgantown, WV
AT&T Direct Antennae Services, Music City Center, Nashville, TN
Charleston Federal Center Renovations - Charleston, WV*

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



West Virginia University - Parkersburg New Science Wing Fit-Up & Lab Classrooms Parkersburg, WV

Paradigm Architecture and Stanley Beaman Sears were tasked with renovating an existing Automobile Welding Shop into the New Science Wing at the Main Campus of WVU Parkersburg. The space was designed for five classroom labs and supporting space for a total of about 11,800 SF of renovated space. Additionally, a new entrance façade converted the existing shop front with its row of garage doors into a contemporary look for the New Science Wing. This project was done in multiple phases as funding was approved.

Owner: West Virginia University - Parkersburg

Architect of Record: Paradigm Architecture, inc.

Lab Architect: Stanley Beaman Sears

Completed: Summer 2013

Cost: \$1 Million

Size: 11,800 Square Feet

Contractor: Interiors Plus & MIRC Construction Services



Marina Tower | Morgantown, WV

Program/Goals: The desire was to create a new Class A office building that fit into the context of the historic Waterfront District.

Site: Because of its urban setting, the construction staging area was quite limited and extra care had to be taken to work on the tight site.

Solution: The solution was to create a façade which responded to the district with portrait, punched windows, and brick walls. These materials, proportions, and forms reflect the character of area. Visual interest was added by introducing contrasting brick colors and accentuating the corners of the building. This type of treatment did not add much cost or increase the project schedule.

There are multiple tenants in this building. Some occupy the whole floors such as the West Virginia University Administration which occupies two floors, while others, such as Federal Government tenant Representative Mollohan's Office, only occupy 933 SF of space. Some Federal Government tenants have sensitive documents like the 6,362 SF United States Census Bureau Office Suite. Because of these differing requirements, the core and shell of the building had to be flexible enough to handle different size suites, but also the circulation path had to be able to be easily secured.

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. West Virginia University occupies two floors in the Marina Tower office building.

2008 Best New Construction Award from Main Street Morgantown

Owner: Bocci, LLC

Owner Contact: Rich Lane - (304) 284.5013

Completed: Winter 2008

Cost: \$20 Million (Shell & Fit-Up)

Size: 90,000 Square Feet

Delivery Type: Design-Build-Negotiated

Contractor: March-Westin Company, Inc.



The Jackson Kelly Office Building | Morgantown, WV

Program/Goals: Provide lease office space within the historic Wharf District within the city limits of Morgantown, WV. The Owner's wish to respect the historic character of the area created a need for a palette of materials; fenestration along with building massing that complimented the existing structures.

Site: The site is a triangular-shaped lot within the Wharf District. Site limitations included the unusual shaped lot along a formal street and a rail trail which runs along the Monongahela River. The formal street includes street design features established for the District by the City of Morgantown, WV.

Solution: Off-street parking on-site was not possible due the geometry of the lot. Therefore, the solution used an existing adjacent parking deck owned by the same Owner. The building design solution started with a zero lot line concept common in the district. This approach maximizes the available lease space with a limited site. The building exterior uses brick details and 2 different brick colors which are complimentary to surrounding structures. Fenestration size, shape, and placement mirror existing buildings. Views to Monongahela River and City are spectacular from within the building and from the rooftop terrace. While the final design solution fits the contexts of its historic roots and surroundings, this project starts a new dialogue for future projects.

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, Lutner Financial, and National Biometric Security Project, with restaurant functions on the first floor.

ABC West Virginia Chapter: 2003 Excellence in Construction Award

Owner: Platinum Properties

Owner Contact: Rich Lane - (304) 284-5013

Completed: Spring 2002

Cost: \$4.5 Million (Shell)

Size: 50,000 Square Feet

Delivery Type: Design-Build-Negotiated

Contractor: March-Westin Company, Inc.



One Waterfront Place Space Planning Morgantown, WV

Program/Goals: Focus on unit “needs” and existing non-utilized space are where future growth should occur as well as addressing confidentiality issues.

Solution: Programming Information Forms were distributed for documentation of base data including personnel, position, type of work space, size of work space, degree of confidentiality, functional relationships, equipment, and furniture. Interviews were then conducted to review the information on these forms and understand the nature and operation of each group. This data was compiled, analyzed, and summarized in a document which served as a basis for design. The Programming process yielded a 300+ page document that was used to plan for expansion, relocation, and reconfiguration of virtually every department located in the building.

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.

Owner: Platinum Properties, LLC

Owner’s Representative: Ameer Y. Blake, Asst. VP, WVU Facilities Office

Phone: (304) 293-2903

Completed: 2009

Cost: \$3 Million

Size: 100,000 Square Feet

Delivery Type: Design-Build

Contractor: WVU In-House Construction



One Waterfront Place Morgantown, WV

A seven-story office building housing the West Virginia University Foundation and West Virginia University Administrative Services, which include: Television Services, the Visitors Center, Human Resources, Finance, and Information Services.

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

Owner: Platinum Properties, LLC

Design Architect: Paul A. Walker, AIA

Architect-of-Record: Evan Terry Associates, PC

Completed: 2001

Cost: \$25 Million

Size: 170,000 Square Feet

Delivery Type: Design-Build

Contractor: The March-Westin Company



Program/Goals: Provide a new facility to house the various agencies of the United States Department of Agriculture housed in the Federal Building in downtown Morgantown. Support groups such as Information Technology and the Tri-Ag Federal Credit Union will be located in the new facility as well. The program required Federal security standards related to the building, roads, and parking area. Common areas were required for conference/training rooms, break room, mail room and fitness center. In addition, the project was required to achieve LEED Certification.

Site: The project site was a relatively flat rectangular parcel along the commercial section of Earl Core Road in Sabraton. The property was a former "Brown Field" site owned by the WV Department of Highways. A portion of the land was within the 100-year floodplain of Deckers Creek which limited the positioning of the building.

Solution: The security standards established the perimeter setbacks and the limitations in property width dictated that only visitor parking could be located in front of the building with employee and secured parking in the rear. This functioned well because the Tri-Ag Credit Union requires public access and visibility. The remaining agencies generally function as traditional office environments. The southern and western faces of the building are defined by larger window sections which are screened from harsh summer sunlight by an architectural colonnade and continuous sun screens. These treatments in conjunction with the use of three distinct masonry veneer materials add visual interest to a building that is basically a two-story rectangle.

The General Services Administration for the U.S. Department of Agriculture | Morgantown, WV

Awarded through a Design-Build Competition sponsored by the General Services Administration. This two-story 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.

LEED Certified

Owner: Glenmark Holdings, LLC

Owner Contact: Mark Saab - (304) 599-3369 ext. 103

Completed: Summer 2009

Cost: \$7.5 Million (Shell)

Size: 36,000 Square Feet

Delivery Type: Design-Build Competition

Contractor: March-Westin Company, Inc.



United States Department of Energy Office of Legacy Management | Morgantown, WV

Program/Goals: One of the themes of the new DOE mission statement is "Environmental Responsibility." They want to incorporate this theme into their goal of preserving and protecting legacy records and information. The DOE identified that the best way to accomplish these goals was to realign their resources and create a sustainable, stand-alone Office of Legacy Management whose mission is to effectively and efficiently manage the environmental and human legacy issues for current and future generations.

Site: The facility is located on a ten-acre site on the newly opened West Virginia University Research Park off of WV Highway 705.

Solution: Because sustainability and environmental responsibility were of utmost importance, the design solution concentrated on limiting energy and natural resources. The use of natural light was prioritized throughout the Administration wing. The building not only gathers indirect natural light through clerestory windows, but also light shelves were installed to bring light deeper into the space. Each room has daylight and occupancy sensors so that the artificial lighting can adjust to amount of natural light or turn off if there is no occupant in the room. The restrooms include waterless urinals and low-flow toilets to limit water consumption. The air conditioning and heating loads were reduced by using high performance glass, an exterior sunshade, and heavily insulating the walls and roof. The record storage space is conditioned and humidity controlled and includes a 1,200 square foot cold room for microfilm storage. In addition, the security systems are designed and operated to meet the Minimum Security Standards for Level III Federal Facilities and are in compliance with Homeland Security Presidential Directive 12.

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.

LEED Gold (Core & Shell) | LEED Gold (Commercial & Interiors)
ABC West Virginia Chapter: 2003 Excellence in Construction Award

Owner: F. D. Partners, LLC

Owner Contact: Claiborne J. Williams (703) 537-7653

Completed: Fall 2009

Cost: \$8 Million (Shell); \$2.7 Million (Tenant Improvement)

Size: 60,000 Square Feet

Delivery Type: Design-Build-Negotiated

Contractor: March-Westin Company, Inc.

Paradigm - (per-a-dīm)n. An example that serves as **pattern** or **model**



Canaan Valley Resort State Park Renovations & Additions Davis, WV

Program/Goals: The lodge facility at Canaan Resort State Park was comprised of five 1970s modular lodging buildings and a Main Lodge structure housing the public amenities. When Paradigm Architecture was hired, several challenges were apparent. At least two old lodging buildings were in conflict with the desired additions and would have to be demolished. Furthermore, it would be impossible to complete new construction work prior to the onset of Canaan Valley's notoriously brutal winter. This meant months of idleness for the project.

Solution: Working closely with the State of West Virginia DNR, we devised a plan to fast track two packages, one for demolition of the two lodging buildings and a foundation and structural steel package. Full construction documents for completion of the project would be bid during the winter months allowing the contractors to begin work in early spring. This decision would result in modest additional costs to the project but speed the opening up by almost a full year. The final facility added 100,000 SF of new construction to 60,000 SF existing Lodge. Canaan Resort represents a highly complex challenge of existing conditions documentation, scheduling, and budget management.

Situated in one of the most scenic and tranquil settings in the Mid-Atlantic, with unlimited recreation and family-focused activities, Canaan Valley Resort is a four-season destination providing the perfect escape from the pressures of daily life. The construction/renovations was administered in phases and included the construction of two brand new guest wings (162 rooms) along with extensive refurbishing of the main lodge (where the front desk, meeting rooms, dining room, and indoor pool are located).

**Coordinated with the State Historic Preservation Office
Eligible for National Register of Historic Places**

Owner: West Virginia Division of Natural Resources
Park & Recreation
324 Fourth Avenue, Room 203
South Charleston, WV 25303-1228

Owner's Representative & Phone: Brad Leslie, PE; (304) 558-2764

Completed: Fall 2013

Size: 102,534 SF (addition); 64,993 SF (renovation)

Cost: \$27.6 Million

Delivery Type: Design-Bid-Build

Contractor: Harbel, Inc.



Cacapon Resort State Park Lodge Expansion | Berkeley Springs, WV

Located in the eastern panhandle of West Virginia, Cacapon Resort State Park is available for both family vacations and business retreats, offering access to golf, lake, and camping activities. The facility functions as the main lodging and meeting center of the resort and offers a mix of hotel rooms and suites, and a conference center. 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.

Program/Goals: Enhance guest experience by providing additional quality lodging, meeting and recreational opportunities. Upgrade aging utility systems to assure long-term operation of the park.

Solution: By master planning the entire complex and creating an addition that fulfills the functional goals while maintaining the architectural character of the original lodge.

**Coordinated with the
State Historic Preservation Office
Eligible for National Register of Historic Places**

Owner: West Virginia Division of Natural Resources

Owner's Representative: Bradley S. Leslie, PE

Phone: (304) 558-2764

Completed: TBD

Cost: \$22 Million

Size: 63,669

Delivery Type: Design-Bid-Build Competition

Contractor: TBD



Morgantown Marriott at Waterfront Place Hotel Renovation | Morgantown, WV

The Morgantown Marriott at Waterfront Place Hotel construction had to be phased to minimize the disruption of public circulation and exiting throughout the building. Plus, the desire to keep a significant number of guestrooms occupiable, either existing or new rooms, required phasing. A plan was executed to renovate one side of the lobby and separate it from the other, but still allow freedom to safely exit. We received life safety approval from the local fire marshal before executing the proposed phasing plans.

This 207-room renovation involved a complete transformation from the original traditional appearance to a contemporary European-inspired design. The entrance lobby was converted into a large open space which boasts a Starbucks, live edge bar, peninsula glass enclosed fireplace and penny mosaic pizza oven. The second floor houses an executive lounge and private exterior patio with gas fire pit. Each guestroom now has updated finishes, fabrics, and fixtures consistent with a contemporary European-inspired experience.

Completed: Spring 2017

Size: 125,000 Square Feet (full renovation)

Cost: \$16.3 Million

Delivery Type: Negotiated

Services Rendered: Architecture, Structural and MEP Engineering

Government Experience



Mine Safety and Health Administration (MSHA)
Renovation/Addition - Bridgeport, WV

GSA - Federal Bureau of Investigation
Third Floor Renovations - Clarksburg, WV

Undisclosed Client
Two LEED Gold Office Buildings - Undisclosed Location, PA

U. S. Census Bureau Upfit
Morgantown, WV

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

**U. S. Department of Energy
Office of Legacy Management Records**
Storage Facility
LEED Gold (Core & Shell) | LEED Gold (Commercial & Interiors)
Morgantown, WV

West Virginia University
Parking Garage - Morgantown, WV

National Biometrics Security
Office Upfit - Morgantown, WV

Trussville City Hall Renovations
Trussville, AL

GSA - Social Security Administration
Office of Hearing and Appeals - Bridgeport, WV

Social Security Administration
Office of Hearing and Appeals - Faimont, WV

City of Trussville Greenway Project
Phase II - Restroom Facility - Trussville, AL

U. S. General Services Administration
Representative Mollohan Office Upfit - Morgantown, WV

Canaan Valley Resort State Park
Renovations/Additions - Davis, WV

Cacapon Resort State Park
Lodge Expansion - Berkeley Springs, WV

Charleston Federal Center Renovation*
Charleston, WV

Clarksburg Federal Center*
Office Building - Clarksburg, WV

U. S. Postal Service Projects
Indefinite Quantity A/E Services in Appalachian Region
Indefinite Quantity A/E Services Contract in VA & WV

Miscellaneous Renovations to the following Post Offices:
Clarksburg, WV - Salem, WV - Weston, WV
Spencer, WV - Grafton, WV

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

Overall Experience & Depth of Resources

Paradigm Architecture and our design team is experienced and prepared to commit the resources of our organization to the success of the Miners Health, Safety, & Training building renovation project.

Our Experience:

More than **180** renovation and upfit projects over the past **20** years most of which have required the existing facilities to remain operational during construction. See the Renovation & Upfit Experience project list.

Space Planning

West Virginia University Administrative Services, One Waterfront Place. Programming and design for eight major departments occupying more than 100,000 SF & West Virginia School of Osteopathic Medicine Master Planning for 14 buildings with over 300,000 net assignable square footage.

Complex Scheduling

Canaan State Park Lodge & Conference Center, Davis, WV. The lodge facility at Canaan Resort State Park was comprised of five 1970s modular lodging buildings and a Main Lodge structure housing the public amenities. When Paradigm Architecture was hired, several challenges were apparent. At least two old lodging buildings were in conflict with the desired additions and would have to be demolished. Furthermore, it would be impossible to complete new construction work prior to the onset of Canaan Valley's notoriously brutal winter. This meant months of idleness for the project. Working closely with the State of West Virginia DNR, we devised a plan to fast track two packages, one for demolition of the two lodging buildings and a foundation and structural steel package. Full construction documents for completion of the project would be bid during the winter months allowing the contractors to begin work in early spring. This decision would result in modest additional costs to the project but speed the opening up by almost a full year. The final facility added 100,000 SF of new construction to 60,000 SF existing Lodge and a construction cost of \$27,600,000.00. See Project Information Sheet included in this proposal.

Though not an office structure, Canaan Resort represents a highly complex challenge of existing conditions documentation, scheduling, and budget management. Our efforts resulted in another similar project at the Cacapon Resort State Park Lodge & Conference Center.

Resources:

While technology contributes to efficiency and accuracy in production, we believe that the primary resource for a successful project are the individuals assigned to the work. Our team has a long history of projects completed on time and under budget.

Paradigm Architecture's commitment to staffing:

Principal level Relationship Manager, Paul A. Walker, AIA, NCARB

Registered Architects at key levels:

Todd Christopher, AIA, NCARB, Project Architect

David H. Snider, AIA Quality Control, Specifications

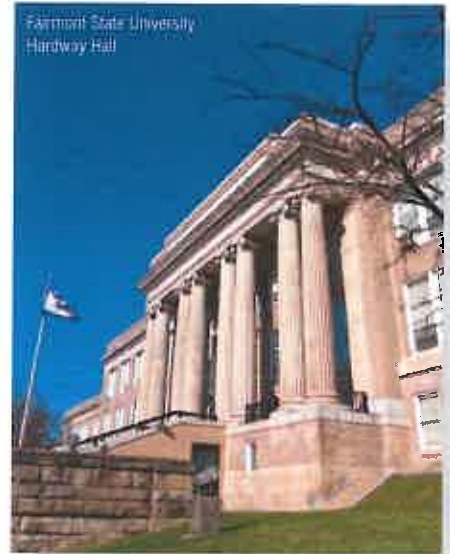
Tyler B. Etris, AIA, NCARB, Design, Production, Interiors

Support Staff for production average 15 years of experience each.

Our Consultants' commitment to staffing this project is equally strong. Please reference the Team Organization Chart and Resumes for the full Staff Descriptions.

Budget:

Paradigm Architecture understands the importance of the project budget and takes great pride in being able to meet these budgets. Project budget is not just the construction budget. We assist the owner in reviewing all aspects of the total project budget. Due to our vast experience with multiple project delivery types, including design-build and construction management, we have firsthand experience with monitoring costs throughout the entire project. Many times, to help control costs on the project, we will work with the Owner early on to establish a base bid package that will deliver within budget. We will then establish a series of alternate packages that can be selected from once bids are received. We will also work with the Owner to establish an Owner's contingency allowance for those unforeseen issues that may arise.



Repeat Clients

West Virginia University

Puskar Stadium Renovations
Puskar Stadium Scoreboard Addition
Press Box Renovation
Wrestling Locker Room Renovation
School of Pharmacy Lab Renovation
College Park Housing Community
University Park Housing Community
Ag Sciences Greenhouse & Labs
Vandalia Hall Stair Addition
Connector Building & Site Plan Study
Visitors' Resource Center Renovation
Oglebay Hall Forensics Facilities Renovations
Evansdale Campus Animation
Honor's Hall Residence Hall
Mountaineer Station Intermodal Garage
Mountaineer Station Expansion
Marina Tower—2nd & 4th Floor Upfits
Administrative Offices Build-Out, Jackson Kelly Building
Aquatics Lab Renovation
Mountainlair Student Union Renovation
Milan Puskar Stadium Touchdown Terrace Addition
Milan Puskar Stadium Concession Stand Addition
Coliseum Visitors Center Addition
Coliseum Renovations/Additions—Team Shop & Phys Ed Dept.
Coliseum Renovations—Upper Concourse & HVAC Upgrades
Coliseum Renovations—Phys Ed Offices & Floor Concession
Jackson Kelly Building—3rd Floor Upfit
Stewart Hall General Counsel Renovations
Stewart Hall Presidential Suite Renovations Study
Datz Center Relocation Study
Creative Arts Center – Construction Administration
Creative Arts Center Rehearsal Room Renovation
College of Creative Arts Additions/Renovations
Alumni Center Screen Wall
One Waterfront Place Space Planning and Reconfiguration
General Open End Contract
Satellite Campus Open End Contract
Research Corporation Open End Contract
Athletic Department Open End Contract
Professional Architectural Services Open End Contract

West Virginia University Hospitals, Morgantown, WV

Physician Office Center, 2nd, 3rd, 4th Floor Renovations
Physician Office Center Space Planning
Physician Office Center First Floor ENT MRI Renovation
Ruby Office Complex - Information Technology Renovations
Anesthesia Renovation
Cheat Lake Addiction Rehab Clinic
School of Pharmacy Lab Renovation

Glenmark Holding, LLC, Morgantown, WV

Glenmark Office Building
U. S. Department of Agriculture Office Building
Mountaineer Wellness & Education Complex (Aquatic/Track)
CVS Health Institutional Pharmacy
University Park Mixed-Use Student Housing
453 Oakland Street Shell Building
Friendly Nail Salon

Cellular Sales (Verizon Wireless), Alexander City, AL

25+ Retail Stores in Alabama and Florida

Russell Medical Center, Alexander City, AL

Additions & Alterations
Cafeteria Renovations
Cancer Center Renovations
Cath Lab Renovation
CT Renovations
Dialysis Suite
Doctors' Parking
Education Department
Emergency Room Canopy
Emergency Department Renovation
Exam Rooms Renovation
Eye Surgery
Goodwater
Hospice House
Information Technology Suite
Lab Addition & Renovation
Linear Accelerator Addition
Modified Lab Renovations
MRI & Open MRI Addition
Master Plan
Multiple Doctors' Offices (13+)
Nurse Station Renovations
Orthopedic Surgery
Parking Expansion
PET Scanner
Pharmacy Renovations
Physical Therapy
Physicians' Office Building #3
Physicians' Office Building #4 Master Plan
Physicians' Office Building #4
Pre-Admit Testing
Satellite Lab
Sleep Lab
Surgery Soiled Workroom Renovation
Women's Center
Wound Care Center
X-Ray Renovation

American Red Cross

West Park Drive Conference Room Fitup, Birmingham, AL
Blood Donor Center Fitup, Myrtle Beach, SC
Blood Donor Center Renovation, Madison, WI
Chicago Blood Services Distribution Center &
Chapter Services Renovation, Chicago, IL
Regional Blood Donor Center, Distribution
& Bio-Med Tenant Fitup, San Diego, CA
Relocation of Testing Support, Charlotte, NC
Biomedical Lab Interior Renovations, Rio Pedras Facility, San Juan, PR
Relocation of Chapter Services & Biomed Blood Services, Springfield, MA
Interior Office Renovations, St. Vardell Lane Facility, Charlotte, NC
Blood Donor Center Renovation, Virginia Beach, VA
Alt Operations Site (Disaster Services), Richmond, VA
IRL Renovation, Houston, TX

Monongalia General Hospital, Morgantown, WV

Microlab Renovation
Cardiothoracic Suite Renovation
Birthing Center
North Tower West AHU
Complete Hospital Lab Renovation

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



Approach & Methodology





Marina Tower and Upper Monongahela River Center

Approach & Methodology

We understand that communication is fundamental to a successful client relationship and project. We feel that over the years we have worked hard at exercising clear communication skills and it has translated into repeat work with many clients. A record repeat clients is included with this submittal. The following steps and tools are identified to as the means by which we plan to maintain clear communication with the Office of Miners Health, Safety, and Training (MHST).

Initial Evaluation and Assessment of Existing Conditions

Our evaluation approach involves the visual inspection of existing conditions. An assessment report including a description of the present systems, evaluation of existing conditions and defects, and recommendations for immediate necessary repairs/renovations. This could include but is not limited to deteriorating exterior envelope conditions, structural failures, other safety concerns related both to the building and the site, and ADA, Building, and Life Safety Code related upgrades.

We will then focus our attention on functional reorganization of space in the building and associated upgrades and renovations based upon the developed programs and stratetic plans.



United States Department of Agriculture

Initial Evaluation and Assessment of Existing Conditions *(continued)*

An estimate of budget/cost implication is provided to assist in the decision-making process. Using information gathered by site visits and during meetings, we then develop a list of applicable MEP system options that can be considered. These options are compared on a qualitative and quantitative basis using sophisticated energy analysis software. We will advise on potential lifecycle cost savings to the building.

Establishing a Project Schedule

With the Program completed, we will assist with establishing a Project Schedule. This will include the timeframe for the completion of the drawings and specifications as well as the projected Bidding period. Included in the process will be the submittal to the West Virginia State Fire Marshal's office for plans review. Finally, we will include the projected construction schedule with dates for Substantial and Final Completion.

Communication at the Highest Level

Paul A. Walker, AIA, NCARB, has served as Principal-in-Charge of the Cacapon Project since the original award in 2008. He understands the requirements of the project and is committed to a successful completion. Paul is available at any time to address issues or answer questions related to any aspect of the project from design through construction. This is the policy we practiced during the Canaan project and are committed to the same with the MHST renovations. Todd Christopher will be the Project Manager who will be continually active on the project and equally able to respond to concerns. This applies to our engineering consultants as well.

Regular Meetings

We have determined that regular meetings are critical to keeping communication fresh and maintaining accountability. We would propose meeting at two-week intervals. This applies to design and construction.

Utilize Tools of Technology

Tools of Technology offer opportunities to provide clarity and access to project information and thereby improve communication. We have utilized Building Information Modeling (BIM) for nearly a decade. BIM models are easily converted to AutoCAD-formatted files. This project documentation software also provides easy generation of 3D images to help communicate design intent. We use Sketch-Up Software for design studies. This program also yields informative images. Project Management software such as Procore or Newforma are becoming common in the industry and we routinely use these on projects. All of these tools have the potential to improve communication but often the best is simply picking up the telephone. We use this as well.

Paradigm Architecture is committed to serving the Office of Miners Health, Safety, and Training and clearly communicating all aspects of the work during the Planning, Construction Document, Bidding, and Construction Administration Phases.



Canaan Valley State Park Resort Lodge

Phasing and Existing Facilities Renovations

Phasing and Renovations within existing facilities can be challenging, especially a facility that is occupied during construction. A thorough review of existing conditions is required for the area of the proposed work but also for occupied floors above and below the Work. Record drawing files should be updated or created, so the design and construction teams have accurate information to make the best decisions throughout the process. Field work documentation should include:

- Meeting with Owner to review any ongoing problems with the facility, discuss and review programming of existing facility, and programming of new construction.
- Field verifications of record drawings; include engineering systems.
- Determine and discuss with Owner required building exits and general discussion regarding location of noise/dust partitions.
- If the proposed work is not located on an exterior wall, review options with Owner, how the Contractor should maintain negative air pressure in the work site?
- Document existing fire-rating methods for structure, including partition rating at fire exits or any specialty rooms that require fire-rated partitions. Locate fire extinguishers and if new work will require additional extinguishers.
- Review construction access to the site and building. Possible staging sites, if any. Other concerns might include, construction parking limitations and material deliveries.
- Document Owner-occupied areas and review times areas will be occupied.
- Review proposed changes to plumbing, mechanical and electrical system; determine impact to owner occupied spaces. For example, plumbing changes might require work above finished ceiling of an Owner-occupied space below or above the proposed renovation.
- Review hazardous material such as asbestos, lead paints, etc.
- As the design develops, phasing drawings can be a useful tool to determine the best strategies to complete the project on time and in budget.

Notable Projects Paradigm has Phased

One Waterfront Place

Marriot Renovations at Two Waterfront Place

Marina Tower

Cacapon State Park Resort Lodge

Canaan Valley State Park Resort Lodge

Mon General Labs

US Department of Energy Office of Legacy Management

The General Services Admin for the USDA

Ruby Physicians Office Center

Renovations to Mylan Puskar Stadium



Fairmont State University Hardway Hall

Project Budget History

Project	Construction Value	Final Construction Value	% Over Base Bid	Comments
Beitzel Corporation Corporate Headquarters	\$3,800,000	\$4,250,000	12%	Owner-Requested Additions - 5,000 SF Basement & Plaza
Cacapon Resort State Park Lodge Expansion	\$22,000,000	\$21,300,000	-3%	
Canaan Valley Resort State Park Renovations/Additions	\$25,000,000	\$24,200,000	-3%	
City of Trussville Greenway Project - Phase 2	\$337,123	\$352,123	4%	Site Conditions
Coyote Logistics	\$850,000	\$1,100,000	16%	Unknown existing conditions in existing structure caused increase
Enterprise Rent-A-Car Group Operations Office Renovation	\$787,503	\$840,325	7%	75% Owner-Requested; Existing Conditions
Marina Tower	\$11,300,000	\$11,600,000	3%	
Morgantown Event Center	\$22,000,000	\$25,500,000	16%	Owner-Requested Changes
Morgantown Event Center Garage	\$4,800,000	\$4,850,000	1%	Owner-Requested Changes
Pillar Innovations Office Building/Warehouse	\$1,800,000	\$1,860,000	3%	
Sunnyside Commons Student Housing	\$33,000,000	\$36,000,000	8%	
The Foundry - Men's Dorm	\$815,000	\$849,000	4%	Site Conditions
The Foundry - Women's & Children's Center Renovation	\$1,000,000	\$1,000,000	0%	
University Park Student Housing	\$74,000,000	\$73,000,000	-1%	
University Place Parking Garage	\$15,600,000	\$16,502,000	6%	Owner-Requested Changes
US DOE	\$10,700,000	\$10,800,000	2%	Site Conditions; Miscellaneous Interior issues
USDA	\$7,500,000	\$7,600,000	1%	Owner-Requested Changes
Waterfront Marriott	\$14,300,000	\$16,300,000	14%	Upgrading for Life Safety; Owner-Requested Changes
WVU College Park Student Housing	\$36,000,000	\$36,000,000	0%	
WVU Downtown Student Housing	\$17,600,000	\$17,500,000	-1%	
WVU Parkersburg - Phase 1 (shell)	\$992,000	\$1,032,000	4%	
WVU Parkersburg - Phase 2 (fitup)	\$999,000	\$1,024,000	3%	
WVU Parkersburg - Phase 3 (ceasework)	\$399,000	\$413,000	4%	
WVU Transportation Center	\$14,600,000	\$15,000,000	3%	



Chestnut Ridge Church | Morgantown

Project Construction Period History

Project	Scheduled Completion Date	Actual
Beitzel Corporation Corporate Headquarters	July 2015	June 2015
Cacapon Resort State Park Lodge Expansion	TBD	TBD
Canaan Valley Resort State Park Renovations/Additions	October 2014	October 2014
City of Trussville Greenway Project - Phase 2	May 2008	May 2008
Coyote Logistics	March 2015	March 2015
Enterprise Rent-A-Car Group Operations Office Renovation	April 2009	April 2009
Marina Tower	October 2008	October 2008
Morgantown Event Center	February 2010	April 2010
Morgantown Event Center Garage	December 2009	February 2010
Pillar Innovations Office Building/Warehouse	September 2011	November 2011
U Club Sunnyside Student Housing	August 2016	August 2016
The Foundary - Men's Dorm	June 2016	June 2016
The Foundary - Women's & Children's Center Renovation	October 2009	October 2009
University Park Student Housing	August 2015	August 2015
University Place Parking Garage	September 2015	November 2015
US DOE	August 2009	September 2009
USDA	August 2009	August 2009
Waterfront Marriott	May 2017	May 2017
WVU College Park Student Housing	August 2014	August 2014
WVU Downtown Student Housing	May 2009	August 2009
WVU Parkersburg - Phase 1 (shell)	August 2013	August 2013
WVU Parkersburg - Phase 2 (fitup)	May 2014	June 2014
WVU Parkersburg - Phase 3 (casework)	May 2014	June 2014
WVU Transportation Center	October 2009	October 2009



Morgantown Waterfront Development

Project Construction Period Plan

Establishing a Project Schedule

With the Program completed, we will assist with establishing a Project Schedule. This will include the timeframe for the completion of the drawings and specifications as well as the projected Bidding period. Included in the process will be the submittal to the West Virginia State Fire Marshal's office for plans review. Finally, we will include the projected construction schedule with dates for Substantial and Final Completion.

Step 1

Meeting a schedule for construction begins with identifying a completion date for drawings and specifications. In the case of this project, the design and document schedule must account for design revisions as directed by the Owner, completion of the construction documents and adequate time for both the update of the initial cost estimate and the final estimate prior to bidding. Time for meetings to review and approve these estimates must be allocated as well as resubmittal to the West Virginia State Fire Marshal's office. There should also be some contingency in the schedule for any changes or modifications based on cost or program changes. Discussion must include winter weather impact on overall schedule and liquidated damages.

Step 2

We will work with the timeframe identified by the West Virginia Purchasing Division for the bidding process. Advertisement of bids, mandatory pre-bid meeting, deadline for questions, issuance of Addenda, receipt of bids, review and award must be determined. We recommend that a contingency of time be budgeted to accommodate any unforeseen issues that arise during the bidding. Finally, there must be time scheduled for award of the contract by the State.

Marina Tower





Step 3

With the award of the construction contract, we will work with the contractor to establish a number of practices to make the project efficient.

- a. Establish a regular schedule for on-site meetings at two-week or bi-monthly intervals.
- b. Determine process for shop drawing submittals: Newforma, Procore, or other.
- c. Determine process for Request for Information submittals.
- d. Establish Pay Application review and approval process.
- e. Identify a communication process to assure smooth operation of the existing lodge.

We understand that prompt action on the part of the design team and Owner is critical to steady progress by the Contractor. To that end, we strive to provide quick review of shop drawings and Requests for Information. We also want Owners to be aware of issues that require their action. It is also imperative that the Contractor produce a project schedule with critical path items and that the schedule be reviewed and updated at every project meeting. Accountability for recovery in the schedule must be maintained.

The Canaan Resort was an example of scheduling to deliver a project under challenging circumstances. Due to the extreme winter weather conditions, the project was ultimately separated into three bid packages. Early demolition of an old lodging building cleared the way for new construction. The second phase completed the grading, foundations, and structural steel prior to the harsh winter. This allowed the remaining construction documents to be completed, bid, and awarded for early Spring construction. With the steel in place, the construction moved quickly and the new additions were under roof prior to the next winter season.

Many of our recent projects have had completion dates that had to be maintained under any circumstance. Most of these were university student housing projects that involved leases established by the Fall Semester calendar. Under these circumstances, the projects had to be ready for occupancy or there would be significant financial hardship for the Owner. We have been able to successfully deliver these projects which include College Park (\$32M), University Park (\$75M) and UClub Sunnyside (\$35M).



Miller Engineering - MEP





Firm Profile

MILLER ENGINEERING is a solely held (S) corporation owned by Craig Miller PE, President. The corporation maintains a Certificate of Authority with the WV State PE Board and has carried professional liability insurance since its inception. Neither the firm nor its professional engineers have ever faced disciplinary action in any form from the states in which they are registered.

Our engineered solutions involve a detailed assessment process: investigation, observation, communication with stakeholders, system analysis, building modeling and engagement from our entire team. We approach each and every project with this process and the guiding principle that buildings are designed to be livable and function in their intended purpose.

Over the past 13 years Miller Engineering, Inc. (MEI) has engineered solutions for over \$17.2M in MEP system upgrades, repairs and renovations for projects of all scopes and sizes, with clients ranging from private owners to local and state governments. With a strict attention to detail and commitment to delivering a job done well and done right the first time, every time, MEI has accumulated a change order percentage of less than 0.1% over the past 8 years.

Our team has unique skill-sets regarding engineered renovation solutions. Each member of the team has hands-on mechanical system experience including installation, construction, design and maintenance.

*Miller Engineering takes pride in being **different by design**, and that difference shines through in all phases of our work and continued relationships with our clients.*

- Experienced and Licensed Professional Engineers
- Quality, Value-Engineered Project Delivery
- Qualified Construction Representative on Staff
 - LEED-AP Certified
 - Below Industry Change Order Status
 - Building Information Modeling
 - Emergency Facility Response



Engineering Design and Consultation

- Mechanical
- Electrical
- Plumbing
- HVAC Design
- Renovation
- New Construction
- Building Information Modeling

Aquatic Facility Design

- Public Pools & Areas
- ADA Compliance
- Indoor & Outdoor (air flow)
- Chlorination/Filtration

Construction Administration

- Maintenance/Facility Improvement Plans
- Contract Administration
- Code Observation

Communication System

- Intercomm & Public Address
- Voice/Data/CATV
- Urgent Response

Energy

- Power Supply (main & backup)
- Green & Renewable Consulting
- Systems Utilization & Upgrades
- Sustainable Solutions

Facility Utilization

- Systems Assessment & Solutions
- Adaptive Re-use
- Planning/Life-Cycle Control
- Engineered Replacement

Life Safety Inspection/Design

- Fire Protection & Alarm Systems
- Access Control
- Fire & Electrical Investigation

Industry Experience

- Education
- Local & State Government
- Commercial Development
- Healthcare



B. Craig Miller, PE

Craig founded Miller Engineering in 2003, and serves as President and Principal Engineer. He has more than 20 years experience in design, specification, operations and project management. During his employment with WVU, Craig was directly involved with approximately \$130 million in new capital construction. His experience with a wide range of projects including HVAC, electrical, plumbing, infrastructure upgrades, building automation, energy efficiency and maintenance/renovation, among others, allows him to serve in multiple capacities within a given project. Craig will serve as the "Relationship

Manager" for Miller Engineering as the main communication interface between the Owner, the design team, contractors and end users.

Project Role: Relationship Manager – Primary Point of Contact

- *Engineer in Responsible Charge*
- *Design and Project Management of Mechanical, Electrical, Plumbing Projects*
- *Concept and Construction Design*
- *Business Operations and Financial Management Oversight*
- *Quality Assurance and Control*

Professional Project Highlights

- WVU Recreation Center Indoor Pool – Owner's Engineer
- WVU Life Sciences Building and Student Recreation Center – Owner's Engineer
- WV Bldg 25 HVAC Renovations
- Morgantown HS Art Wing HVAC Replacement
- Advanced Surgical Hospital
- Holly River State Park Electric Service Replacements Phase I & II
- Beech Fork State Park – MEP New Construction Design
- WVDNR Pipestem Piping Replacement

Professional History

2003- Present	Miller Engineering, Inc.	President, Relationship Manager
2002-2003	Casto Technical Services	Existing Building Services Staff Engineer
2001-2002	Uniontown Hospital	Supervisor of Engineering
1995-2001	West Virginia University	Staff Engineer
1990-1995	BOPARC	Caretaker – Krepps Park
1983-1988	University of Charleston	Electrician/HVAC Mechanic

Education

1995	West Virginia University	BS- Mechanical Engineering
1988	University of Charleston	BA- Mass Communications

Licenses and Certifications

- Professional Engineer (West Virginia, Pennsylvania, Maryland, and Ohio)
- Licensed Master Plumber
- LEED-AP Certified



Travis Taylor, PE

Experience in project management facilitates Travis's ability to create and design constructible projects. Prior to joining the Miller Engineering team he was directly responsible for managing \$10 million in electrical construction budgets. His experiences encompass both new construction and renovation. Travis maintains professional competencies by attending seminars and continuing education classes. As lead engineer he provides HVAC, mechanical, plumbing and electrical design solutions and services for our clients. In addition, he is part of our team's complete assessment process in both

planning and MEP design through construction administration.

Project Role: Lead MEP Engineer

- *Design of Mechanical, Electrical, and Plumbing Systems*
- *Constructible Materials Evaluation*
- *Site Evaluation and Mechanical System Review*
- *Submittal and RFP Review*
- *RFI Coordination, Review, and Response*
- *Construction Observation*

Professional Project Highlights

- Krepps Park ADA Upgrades
- Holly River State Park Primary Electric Service Replacements Phase I & II
- Beech Fork State Park Lodge Design Development
- Pipestem Lodge McKeever Lodge HVAC Piping Replacement
- WV Veterans Memorial Restoration
- Bobtown Elementary School HVAC Upgrades

Professional History

2011-Present	Miller Engineering, Inc.	Staff Engineer
2006-2011	Tri-County Electric, Co.	Project Manager
2006-2006	Schlumberger	Field Engineer Trainee - MWD

Education

2006 West Virginia University, BS – Mechanical Engineering

Licenses and Certifications

- Professional Engineer - State of West Virginia
- OSHA 10-hour Course: Construction Safety & Health



Robert Angus

20 Years of maintenance, operations, and construction management precede Rob's engagement with Miller Engineering. Professional expertise of construction project management was gained as an owner of his own contracting company specializing in residential and commercial construction, electrical, plumbing, and HVAC projects. Rob's hands-on approach, common sense and valuable work history knowledge enables him to interface with construction personnel seamlessly alongside engineers and architects. He is adept at preventing and handling issues. Rob is involved at the estimation phase to allow for continuity within the project's design and construction.

Project Role: Construction Representative

- Construction Project Representation and Management
- Project Cost Estimation
- Submittal Review
- RFI, RFPCO Review and Response

Professional Project Highlights

- 3RD Party Construction Observation – Canaan Valley Resort
- Advanced Surgical Hospital
- Cheat Lake Elementary HVAC Upgrade
- Suncrest Middle School Gym HVAC Upgrade
- North Elementary School Boiler/AC
- Mapletown Jr./Sr. High School HVAC/Boiler Upgrade
- WVU Research Building Office Renovation

Professional History

2009- Present	Miller Engineering, Inc.	Aquatic Construction Representative
2000-2009	Angus Contracting, LLC	Owner/Operator
1991-2000	BOPARC	Director of Maintenance

Education

2000	Monongalia County Technical Education Center	Heating, Cooling, and Refrigeration Certification
1996	West Virginia University	Recreation and Parks Administration

Licenses and Certifications

- Licensed West Virginia General Contractor
- Licensed West Virginia HVAC Contractor
- Certified HVAC Mechanical Contractor
- Licensed West Virginia Journeyman Electrician
- Licensed West Virginia Master Plumber
- OSHA 10-Hour Construction Safety & Health



Jack Jamison

Jack brings 15 years as an electrical/building inspector and over 25 years of experience in the commercial electrical construction industry. His knowledge and experience are valuable resources to Miller's complete assessment process.

Project Role: Code and Construction Specialist

- Facility Review, Code Research, and Project Evaluation
- Field Observations and Issue Resolutions

Professional Project Highlights

- Board Member of the WV Code Officials
- Founder and Secretary of the West Virginia Division of the International Association of Electrical Inspectors
- IAEI Ohio Chapter – Membership Chair

Professional History

2010- Present	Miller Engineering, Inc.	Code and Construction Specialist
1999-2010	Megco Inspections	Chief Inspector
1972-1998	Jamison Electrical Construction	Master Electrician

Education

1971 Fairmont State College, BS-Engineering Technology-Electronics

Licenses and Certifications

- Master Code Professional, IAEI Master Electrical Inspector, Class C Electrical Inspector – WV, PA, MD, & OH
- ICC Commercial Building, Building Plans, Commercial Plumbing, Residential Energy, and Accessibility Inspector/Examiner
- WV Master Electricians License
- NCPCCI-2B, 2C, 4B, 4C: Electrical & Mechanical General/Plan Review
- OSHA 30 Hour Course: General Industry
- NFPA Code Making Panel 14 – NEC 2014 Edition



Joseph Machnik

Joe has experience with AutoCAD, MEP and Revit MEP. He provides design modeling, drafting and supervised design services and construction support for Miller Engineering.

Project Role: MEP Designer

Revit/CADD Coordination of New Construction and Renovation Designs

Professional History

2010 – Present Miller Engineering, Inc. MEP Designer

Education

2008 Penn State – Fayette, AS - Building Engineering Systems Technology: *Building Environmental Systems Technology*
 2007 Penn State – Fayette, AS - Building Engineering Systems Technology: *Architectural Engineering Technology*

Project Experience: HVAC Upgrade

Building 22 2nd Floor Upgrades

Charleston, WV

Services Provided:

- Mechanical
- Electric
- Telecommunications
- Construction Administration

Estimated Budget: \$325k

Contract Amount: \$398k

**Owner: State of West Virginia --
General Services Division**



West Virginia State Building 22 required renovations to the 2nd floor, which houses the state tax office. New mail processing equipment which have cooling, power, and data requirements were purchased by the state and the floor plan needed modifications. Miller Engineering, along with Montum Architecture designed the renovations to the 2nd floor to accommodate the changes needed. The existing space was served by a fan powered VAV AHU. The existing air distribution was modified to meet the requirements of the new floor plan. The processing room and server rooms, which require year round cooling, are being served with computer-room air conditioning (CRAC) units. The revised floor plan called for modifications to the power and telecommunications layouts for the integrated furniture systems. The grounding and bonding systems for the server room were upgraded as well. The project is under construction and anticipated to be complete by April 2018.

Project Contact:

*David Parsons, Operations and
Maintenance Manager
State Capitol, Room E-119
(304) 957-7122*

Project Experience: HVAC Upgrade

West Virginia State Building 25

Parkersburg, WV

Services Provided:

- Mechanical Piping
- Electric
- Construction Administration

Estimated Budget: \$843k

Facility Area: 58,500 ft²

**Owner: State of West Virginia –
General Services Division**



The PVC piping system at Building 25 had a history of leaking, along with smaller piping sagging over time and breaking, prompting the owner to replace the entire system. The building was a logistic challenge to design due to offset multi-level mezzanines, resulting in low deck-to-deck heights in the lower levels. A new, rolled-groove piping system was installed, including a new cooling tower and supporting structure, and connected to the original boilers. To eliminate the problems associated with manganese, which forms solids and clogs piping, the system was converted from water to propylene glycol with the flow rates adjusted to accommodate the change. The water source heat pumps which serve the building were flushed and cleaned to prevent contamination of the new water. MEI designed a phased approach to accomplish the piping, which was adjusted in consultation with the owner and contractor during construction to minimize the impact on the building occupants, who remained in the building during the entire construction period. MEI worked on an almost daily basis with the contractor to accomplish the re-piping of the building, providing support and real-time answers to questions and to work around challenges.

Project Contact:

*David Parsons, Operations and
Maintenance Manager
State Capitol, Room E-119
(304) 957-7122*

Project Experience: HVAC Upgrade

**West Virginia State
Building 36 (1 Davis Sq.)
Charleston, WV**

Services Provided:

- HVAC System Replacement
- Mechanical Piping
- Electric
- Construction Administration

Estimated Budget: \$2.1M

Facility Area: 58,400 ft²

**Owner: State of West Virginia –
General Services Division**



The 30-plus year old chiller serving Building 36 failed in the spring of 2016. MEI was retained to design the installation of a temporary rental chiller, which remains in service at this time. MEI was then retained to design a full HVAC retrofit to the building due to the condition of the air handlers, ductwork, VAV boxes, and associated systems. The building presented unique challenges as it was originally two buildings in which the common space was later in filled to create one building. The deck to deck heights in some areas are very limited, resulting in the need for accurate evaluation, design, and detailing in the construction documents. MEI designed a phased approach to accomplish the project. The phasing was developed directly with the owner to minimize the impact on the building occupants; who had to relocate to swing space phase by phase. Instead of just replacing the existing system in-kind, MEI designed a system utilizing three rooftop units ducted vertically through the building, which eliminates the sole source failures that have plagued the system for several years. The project was bid and then cancelled by the Owner.

Project Contact:
*David Parsons, Operations and
Maintenance Manager
State Capitol, Room E-119
(304) 957-7122*

Descriptions of Past Projects Completed – Adaptive Renovation

MedExpress National Headquarters

Services Provided:

- Mechanical
- Electrical
- Plumbing
- Fire Protection/Alarms

Estimated Budget: \$12M

Facility Area: 31,000 ft²

Owner: MedExpress, Inc.



A full mechanical, electrical and plumbing upgrade was necessary for this former grocery store in order to meet the needs and demands of the client's use. A full computational model of the building and the new floor plan revealed that use of rooftop units of varying configurations would effectively condition the facility. Variable air volume (VAV) and constant volume systems were utilized to accomplish this goal. In addition, a dedicated air system was required for the critical corporate data center which would also accommodate both the current system load and anticipated growth of the owner. Halon systems, extensive fire and alarm systems, were installed to bring the facility to safety and state regulation codes. The critical corporate data center also required the design of a full standby power system with generator, uninterruptible power supply and transient voltage surge suppression. All project goals were met and the project was a success.

Descriptions of Past Projects Completed – Renovation

WVU Chestnut Ridge Research Building

Morgantown, WV

Services Provided:

- MEP Engineering
- Fire Protection/ Fire Alarm
- Telephone/Data

Construction Budget: \$610K

Facility Area: 5,700 ft²

Owner: West Virginia University



The retrofit of approximately 5700 ft² of previous storage space into usable office/conference space was successfully achieved. The Owner wanted a finished look using exposed overhead mechanical systems, so the MEP systems had to be aesthetically and architecturally appropriate while working around existing building systems, such as existing roof drain leaders, within the space. The existing systems were successfully reused as much as possible to help control project costs. A full restroom and kitchen area was developed to meet the needs of the occupants, while extensive detailing of system components and aggressive Construction Administration resulted in a highly successful project. This project resulted in MEI doing adaptive re-use to two more floors in the building



What our satisfied customers have to say...

"Hard working, do-whatever-it-takes, diligent team that provides excellent customer service is what you can expect from Miller Engineering."

--Chris Halterman

"As a design/build team, working with Miller Engineering, our project involving a private surgical hospital together was a success – completed ahead of schedule and on budget. Miller worked with us throughout the project to consult, engineer and inspect the mechanical systems. Craig Miller, PE and his staff are working with us again, and are very important members of our design/build team. I highly recommend their services.

--Richard J. Briggs

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Vice President
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 Washington, PA 15301
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 Coordinator*
 Monongalia County Schools
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Mike Trantham
Program Administrator Senior
 WVU Environmental Health &
 Safety
 P.O. Box 6551
 975 Rawley Avenue
 Morgantown, WV 26506
 (304) 293-5785
Mike.Trantham@mail.wvu.edu

Richard J. Briggs
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 Lutz Briggs Schultz & Associates
 Inc.
 239 Country Club Drive
 Ellwood City, PA 16117-5007
 (724) 758-5455
lbsa@zoominternet.net

From Jonathan Miller, Mechanical Project Manager, Nitro Mechanical:

"Miller Engineering is not your average engineering company; they work with the owner AND the contractor to solve all issues that arise throughout the project to make the process as fluid as possible"



Allegheny Design - Structural





102 Leeway Street, Morgantown, WV 26505
Phone: 304.599.0771

ENGINEERING FOR
STRUCTURAL SYSTEMS
MECHANICAL SYSTEMS
ELECTRICAL SYSTEMS
FORENSIC INVESTIGATION

Overview

Allegheny Design Services (ADS) is a consulting engineering firm specializing in structural and MEP building design and building analysis. Dedicated to serving West Virginia and the surrounding region, ADS recognizes the need for reliable and full-service 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. Allegheny Design Services was chosen as one of "Building Design and Construction" Magazine's Top 300 Engineering Firms 2015.

ADS' experience in Design and Project Management includes:

- Commercial Facilities
- Industrial Facilities
- Institutional Facilities
- Educational Facilities

ADS was established by David Simpson, PE, MBA, in 2002 as a result of a need in North Central West Virginia for reliable structural engineering services. In 2009 MEP engineering services were added, led by Mike Chancey, PE. ADS utilizes a combination of office technology and a motivated staff to deliver projects typically up to \$40 million in construction value. Our clients include architects, contractors, developers, attorneys and insurance companies. ADS currently utilizes the latest engineering design and BIM software for the development of project work.

Value Added Services

Our company strives to provide efficient, quality engineering services that serve both the needs of the client as well as the needs of the design team. We achieve this level of service by leveraging our extensive project experience with a work-flow built upon the cohesive integration of 3D Revit modeling and the latest analysis software. This integration allows us to produce the highest quality designs in the timeframe needed for successful design-build projects. Our staff is comprised of multiple licensed Professional Engineers.

Company Recognition/Awards

ADS is proud to have received numerous awards and recognition for our work regionally and across the country, including the following awarded by the West Virginia Chapter of Associated Builders and Contractors, Inc.:

- Nemaquin Woodlands Sundial Lodge Farmington, Pa. (25,000sf Multi-Purpose Ski Lodge, Restaurant, and Bowling Alley) 2013;
- GSA Building Charleston, WV. (GSA Office /Operations Facility) 2012;
- Jerry Dove Medical Office Building Bridgeport, WV. (Structural Mat Foundation System Steel Framing) 2012;
- Marina Tower Morgantown, WV. (8 Story Office Building) 2010; and
- Mon Power Regional Headquarters Fairmont, WV. (Transmission Control Center, Offices, and Conference Rooms) 2009.

David R. Simpson, PE, SECB, MBA



President / Principal Engineer
35+ Years' Experience



102 Leeway Street, Morgantown, WV 26505
Phone: 304.599.0771

Education:

West Virginia Institute of Technology - B.S. Civil Engineering, 1980
West Virginia University - Masters Business Administration, 1993
West Virginia State College - Architectural Technology Courses, 1976

Professional Registrations:

Year first registered: 1984
West Virginia, Pennsylvania, Maryland, Virginia, Florida, District of Columbia, South Carolina, Georgia, Ohio, Structural Engineering Certification Board and 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, Associated Builders & Contractors (ABC), National Academy of Forensic Engineers

Professional Experience:

Responsible for strategic management, marketing, quality control, personnel development, business development, project management and design at Allegheny Design Services. Experience includes over 32 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
WVU, Assoc. Director of Planning, Design & 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

Project Experience Includes:

Morgantown Event and Conference Center, Morgantown, WV	UPMC Hillman Cancer Center
Phipps Conservatory Addition, Pittsburgh, PA	William Sharpe Hospital Addition
Waterfront Hotel and Conference Center, Morgantown, WV	Chestnut Ridge Church
WVU Basketball Practice Facility	University of Pittsburgh Bio Medical Tower
WVU Mountaineer Field North Luxury Suites	Glade Springs Hotel & Conference Center
	Fairmont State University Parking Garage

Michael W. Howell, PE, SE, MBA



Allegheny
Design Services

CREATING VALUE THROUGH DESIGN

102 Leeway Street, Morgantown, WV 26505
Phone: 304.599.0771

Senior Structural Engineer, Director Sports Recreation 12+ Years' Experience

Education: University of Pittsburgh - B.S. Civil Engineering, 2005
West Virginia University - Master of Business Administration, 2014

Professional Registrations:

Professional Engineer – Virginia, West Virginia, Pennsylvania, Tennessee, Indiana, Louisiana and California
NCEES Record Holder

Professional Memberships:

Board President of Children's Discovery Museum at WVU
American Society of Civil Engineers - Past Branch President
Richmond Joint Engineers Council - Past Council Chairman
Structural Engineering Institute - Member

Professional Experience:

Responsibilities at Allegheny Design Services include project management and structural design. Professional experience is comprised of a wide variety of roles as both a designer and contractor. Past accomplishments include a mix of residential, commercial, industrial, military and government facilities utilizing all major building elements including steel, concrete, masonry, wood, and aluminum. Experience includes domestic as well as international projects for a variety of public and private clients from the following assignments:

Experience Record:

Allegheny Design Services, LLC, Sr. Structural Engineer	June 2012 to Present
Austin Brockenbrough and Associates, Structural Engineer	March 2008 to June 2012
McKinney and Company, Civil Engineer	March 2007 to March 2008
American Bridge Company, Field Engineer	May 2005 to March 2007

Project Experience Includes:

WVU Puskar Center Auditorium Expansion	Marine Product Plant Upgrade & Repairs, Brownsville, PA
College Park Apartments, Morgantown, WV	High Bridge Trail State Park Pedestrian Bridges, Prince Edward County, VA
University Park Dormitory, Morgantown, WV	Observation Platform, Midlothian Mines Park, Chesterfield County, VA
Monongalia County Ball Park, Morgantown, WV	Eppington Plantation Restoration and Structural Stabilization, Chesterfield County, Virginia
WVU Milan Puskar Stadium North End Renovations	Old City Hall Plaza Replacement, Richmond, VA
White Oaks Office Development Building II, Bridgeport, WV	Woodrow Wilson Bascule Replacement, Alexandria, VA
Fuel System & Facility Upgrades, Fort Drum, NY	Nashville Sound Scoreboard, Nashville, TN
	Indianapolis 500 Sign Upgrade

Jason D. Robinson, PE



**Allegheny
Design Services**

ARCHITECTURE • ENGINEERING • INTERIORS

102 Leeway Street, Morgantown, WV 26505
Phone: 304.599.0771

Senior Structural Engineer
10 + Years' Experience

Education: West Virginia University - B.S. Civil Engineering – May 2007

Professional Registrations: Professional Engineer – WV, PA, MD, KY, AL, NE, MI

Professional Memberships:

Member of AISC

Associate Member of ASCE

Professional Experience:

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

Experience Record:

Allegheny Design Services, LLC, Senior Structural Engineer

June 2007 to Present

Project Experience Includes:

University Park Mixed Use Building, Morgantown, WV
White Oaks Hawthorn Suites, Bridgeport, WV
BFS Suncrest, Morgantown, WV
Pikewood Creative Addition and Renovation, Morgantown, WV
Bridgeport Public Safety Substation, Bridgeport, WV
Canaan Valley Institute, Davis, WV
Charles Pointe BFS, Bridgeport, WV
Fairmont AFRC, Fairmont, WV
Genesis Youth Crisis Center, Clarksburg, WV
GSA DOE, Morgantown, WV
ICC Parish Center, Clarksburg, WV
Mason Dixon, Bridgeport, WV
GSA, Charleston, WV
Progress Centre 2, Bridgeport, WV
WVU Child Development, Morgantown, WV
White Oaks Progress Center, Bridgeport, WV
Thrasher Office Building, Bridgeport, WV
WVU Greenhouse Building, Morgantown, WV
Courtyard Marriott– University Towne Center, Morgantown, WV
University Place Parking Garage, Morgantown, WV
The Health Plan Office Headquarters, Wheeling, WV
Seneca Village, Senior Living, Morgantown, WV
Fort Collier Warehouse Facility, Winchester, VA
White Oaks Retail Village 2, Bridgeport, WV

**West Virginia State Board of Registration
for Professional Engineers**

DAVID R. SIMPSON
WV [REDACTED]

This is to certify that the above named PROFESSIONAL ENGINEER has met the requirements of the law, is duly registered and is entitled to practice engineering in the State of West Virginia.

EXPIRES December 31, 2018

**West Virginia State Board of Registration
for Professional Engineers**

MICHAEL W. HOWELL
WV [REDACTED]

This is to certify that the above named PROFESSIONAL ENGINEER has met the requirements of the law, is duly registered and is entitled to practice engineering in the State of West Virginia.

EXPIRES December 31, 2018

**West Virginia State Board of Registration
for Professional Engineers**



JASON D. ROBINSO
WV [REDACTED]

This is to certify that the above named PROFESSIONAL ENGINEER has met the requirements of the law, is duly registered and is entitled to practice engineering in the State of West Virginia.

EXPIRES December 1, 2018



Allegheny
Design Services
Consulting Engineers

PROJECT PROFILE

**GSA Building
Charleston, WV**



STRUCTURAL ENGINEER:
CONTRACTOR:

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

PROJECT SCOPE:
GSA Office/Operations Facility

PROJECT VALUE: \$3 Million

PROJECT COMPLETION: 2011



Allegheny
Design Services
Consulting Engineers

PROJECT PROFILE

GSD Fairmont State Office Building Fairmont, WV



STRUCTURAL ENGINEER:
CONTRACTOR:

Allegheny Design Services, LLC, Morgantown, WV
P.J. Dick, Pittsburgh, PA

PROJECT SCOPE:

- Approximately 72,000 Sq. Ft., Five Story Office Building
- Conventional Steel Framing with Dual Lateral Resisting Systems of Steel Moment Frames and Masonry Shear Walls
- Deep Foundations Utilizing Drilled Piers and Grade Beams

PROJECT VALUE:

\$17 Million

ESTIMATED PROJECT COMPLETION:

Early 2015





RENOVATION PROJECTS

- 1. WVU Weight Room Expansion, Morgantown, WV**
- 2. William Sharpe Hospital Addition, Weston, WV**
- 3. Urlings General Store Renovation, Wayne, WV**
- 4. FSU Wallman Hall Renovations, Fairmont, WV**
- 5. Cacapon Resort State Park Lodge Expansion, Berkeley Springs, WV**
- 6. Canaan Valley Lodge Additions and Renovations, Davis, WV**
- 7. WVU Visitor's Resource Center Renovations, Morgantown, WV**
- 8. FSU Hardway Hall HVAC Modifications, Fairmont, WV**
- 9. Kappa Sigma Addition, Morgantown, WV**
- 10. Glade Springs Clubhouse Alterations, Daniels, WV**
- 11. Black Knight Country Club Structural Modifications, Beckley, WV**
- 12. Puskar Center Vertical Expansion, Morgantown, WV**
- 13. Davis and Elkins Benedum Hall Renovation, Elkins, WV**
- 14. Book Exchange Book Store Vertical Expansion, Morgantown WV**
- 15. Fairmont State U., Hunt Haught Hall Renovations, Fairmont, WV**
- 16. Gabriels Brothers Department Store Renovations, Bridgeport, WV**
- 17. Keylogic Office Renovations, Morgantown, WV**
- 18. Mon General Hospital O.R. Renovations, Morgantown WV**
- 19. Pocahontas County Courthouse Renovations, Marlinton, WV**
- 20. Smithsonian Museum of American History Renovations, WA D.C.**
- 21. WVU Coliseum Team Shop Conversion, Morgantown WV**
- 22. WVU White Hall Computer Lab Renovation, Morgantown, WV**



ADS has accumulated a varied portfolio of restorations projects on the historic record, as well as those eligible for nomination. These projects have included theaters, schools, university buildings, and commercial buildings.

First Ward School Apartments
FSU Folklife Center
FSU Hardway Hall Entrance Renovation
Martin Hall
MET Theatre
Palace Theatre
Pocahontas County Courthouse
Purinton House
Urlings General Store Renovation
Woodburn Hall
Palace Theatre Masonry/Roof Restoration
Woodburn Hall Exterior Restoration
Martin Hall Exterior Restoration

Elizabeth Moore Hall Restoration
Kent Farm Property Restoration

We understand the function of antiquated functional systems. Our experience has exposed our staff to many 19th and 20th century systems, and our scope of work has included existing system analysis, retrofit, reinforcement, and enhancement in order to maintain the historic significance and the architects' vision.





Allegheny Design Services

Consulting Engineers

ALLEGHENY DESIGN SERVICES' EXPERIENCE TEAMING WITH PARADIGM ARCHITECTURE

**Davis & Elkins College
Benedum Hall Renovation
Elkins, WV**



**Glade Springs Hotel
& Conference Center
Daniels, WV**



**Fairmont State University Parking
Garage
Fairmont, WV**



**Chestnut Ridge
Church
Morgantown, WV**



**Fairmont State University Parking
Garage Pedestrian Bridge
Fairmont, WV**



**Davis & Elkins
College Athletic
Center
Elkins, WV**



**The View at the Park
Morgantown, WV**



**Glades Springs Re-
sort Clubhouse
Expansion**



**Waterfront Place Hotel & Conference
Center
Morgantown, WV**



**Boathouse Bistro
Morgantown, WV**



**Trinity Christian School
Morgantown, WV**





Allegheny Design Services

Consulting Engineers

ALLEGHENY DESIGN SERVICES' EXPERIENCE TEAMING WITH PARADIGM ARCHITECTURE

**WVU Milan Puskar Stadium Touch-down Terrace Club Addition
Morgantown, WV**



**GSA - Department
of Energy
Morgantown, WV**



**Fairmont State University Hunt
Hought Hall Renovations
Fairmont, WV**



**GSA/USDA Building
Sabraton, WV**



**The Dayton
Morgantown, WV**



**Marina Tower
Morgantown, WV**



**WVU Coliseum Team Shop Conversion
Morgantown, WV**



**Morgantown
Event Center
Morgantown, WV**



**Glenmark Office Building
Morgantown, WV**



**WVU Honors Dormito-
ry
Morgantown, WV**





Allegheny Design Services *Consulting Engineers*

ALLEGHENY DESIGN SERVICES' EXPERIENCE TEAMING WITH PARADIGM ARCHITECTURE

**WVU Mountaineer Station
Morgantown, WV**



**Pillar Innovations
Office Building
Morgantown, WV**



**Fairmont State University Hard-
way Hall Entrance Renovation
Fairmont, WV**



**WVU Greenhouse
Morgantown, WV**



**Key Logic Renovation
Morgantown, WV**



**WVU Visitor's Resource
Center
Morgantown, WV**



**Morgantown Event Center Parking
Garage
Morgantown, WV**



**WVUP -New
Science Wing-
West Virginia
University
Parkersburg**



**Middletown Tractor
Fairmont, WV**



**Canaan Valley
Resort State
Park
Davis, WV**





Allegheny

Design Services

Consulting Engineers

ALLEGHENY DESIGN SERVICES' EXPERIENCE TEAMING WITH PARADIGM ARCHITECTURE

**College Park Dormitories
Morgantown, WV**



**Beltzel Office Building
Grantsville, MD**



**Cacapon Resort State Park
Addition and Renovations
Cacapon, WV**



**University Place
Parking Garage
Morgantown, WV**



**University Park Apartments
Morgantown, WV**



University Park, Morgantown, WV

**University Park
Mixed Use Building
Morgantown, WV**



**University Park Dormito-
ry
Morgantown, WV**





Ascent Consulting & Engineering - Civil





FIRM PROFILE

Founded in January 2018, Ascent Consulting and Engineering is a young company with big experience. Ascent employs a diverse staff, bringing expertise in nearly every facet of Civil Engineering. We are committed to providing quality services, building long lasting relationships, and supporting/encouraging our employees.

DESIGN PERSONNEL

Michael R. Nestor, PE, Managing Member
Zachary L. Assaro, Member
Eric Short, Senior Project Manager

Christopher Kocher, Project Engineer
Rezin Spears, Civil Designer
Jeffrey Todd, Environment Scientist

LAND DEVELOPMENT

Ascent has extensive experience in Site Development ranging from one thousand acre mixed use developments and business parks to small commercial site plans and residential housing communities. We pride ourselves in understanding the goals of the development and our designs are practical, complete, well-coordinated, and on budget.

STORMWATER MANAGEMENT & DRAINAGE

Every project is different. Ascent works with clientele to determine which approach is best suited for each plan. From traditional basin design to underground systems and bio-retention facilities, Ascent has the knowledge to work with any site, providing a responsible design that compliments the landscape.

OIL AND GAS

Our knowledgeable staff has designed, inspected, and managed various projects through construction. We have background in compressor stations, well pads, impoundments, access roads, and permitting for energy related projects.

ENVIRONMENTAL SERVICES

With over twelve years of experience, our environmental capabilities cover a wide range of services including Phase I and Phase II Environmental Site Assessments, aquatic resource surveys/permitting, endangered species consultations, asbestos inspections, operating permit compliance, and general environmental consulting.

ASCENT CONSULTING AND ENGINEERING

720 Masonic Drive, Bridgeport, WV 26330

304.677.8981





RELATED PROJECTS

ENERGY TRANSPORTATION

Developed layout and site plan for the addition of a +/- 10,000 sf warehouse facility for Energy Transportation in Harrison County, WV. Facility will include truck servicing, warehousing, yard storage, and office space. Project including utility routing and construction stormwater permitting.

MYKRON DEVELOPMENT

Development of a Master Plan for a mixed use development in Fairmont, WV. The project will be completed in multiple phases that entail single family residential development, multi-family development, and a redevelopment phase incorporating commercial, industrial, and recreational uses.

VALLEY HILLS PLAZA

Site plan development for the addition of a 12,000 sf retail space in the parking lot of an existing retail development. The project consisted of layout to allow for circulation within the existing development, parking, and new drive though, utility connections, stormwater conveyance, and re-grading of the existing parking lot.

THE VALE

Layout and engineering design for an upscale housing development in Bridgeport, WV. The community utilizes low impact development practices to provide 22 lots ranging in size from 1 to 7 acres. The project required substantial utility extensions and creativity in stormwater management controls.

FORT MARTIN ROAD

Phase I included planning and cost estimation for major road upgrades to accommodate for changes in the Longview Power Plant operational procedures. Phase II included implementation of various road upgrades to correct road inadequacies.

PERMITTING

Multiple permits for construction stormwater on earthwork and/or industrial project sites. Projects included development of Erosion and Sediment Control Practices, Operational Procedures, etc.

ASCENT CONSULTING AND ENGINEERING

720 Masonic Drive, Bridgeport, WV 26330

304.677.8981



MICHAEL R. NESTOR, PE



SUMMARY

Mr. Nestor is a Civil Engineer registered professionally in WV and serves as the Managing Member of Ascent Consulting and Engineering, LLC. He has over 15 years of consulting experience focusing on land development projects and stormwater management in WV, MD, and PA. His expertise allows him to guide projects from concept to completion by understanding the goals/vision of the project, effectively communicating with the project team, and paying careful attention to the details. Mr. Nestor will be responsible for client communication as well as QA/QC on this project.

HIGHLIGHTED PROJECTS

ASCENT CONSULTING AND ENGINEERING (BRIDGEPORT, WV) – JANUARY 2018 - PRESENT

- **VALLEY HILLS PLAZA**

Site plan development for the addition of a 12,000 sf retail space in the parking lot of an existing retail development. The project consisted of layout to allow for circulation within the existing development, parking, and new drive though, utility connections, stormwater conveyance, and re-grading of the existing parking lot.

- **THE VALE**

Layout and engineering design for an upscale housing development in Bridgeport, WV. The community utilizes low impact development practices to provide 22 lots ranging in size from 1 to 7 acres. The project required substantial utility extensions and creativity in stormwater management controls.

THE THRASHER GROUP (BRIDGEPORT, WV) – MARCH 2005 – JANUARY 2018

Throughout Mr. Nestor's employment with The Thrasher Group, he served in a variety of roles ranging from Staff Engineer up to Site Group Division Manager. This allowed him to work on teams for a wide variety of projects and in a range of capacities.

- **BUSINESS AND INDUSTRIAL PARKS**

Designed and permitted the sites for multiple commercial properties including Sheetz, Huntington Bank, Subway, Ihop, Comfort Suites, etc.

Managed team of professionals through the design and construction of multiple park expansions involving major earthwork operations, road and utility extensions, permitting operations and large site developments such as the Dominion Energy Headquarters Facility.

- **ROADS/SIDEWALKS**

Designed and managed road extension projects such as the Phase II White Oaks Boulevard extension and the "Double Camp" and "Tunnel Hill" access road improvements for Antero Resources.

- **STORMWATER MANAGEMENT**

Developed stormwater management programs for compliance to the State of WV's MS4 requirements in the communities of Clarksburg, Westover, Oak Hill, Fayetteville, and Sophia.

REGISTRATIONS

- Professional Engineer – West Virginia PE #18467

ASSOCIATIONS

- American Society of Civil Engineers
- American Society of Highway Engineers (Past President of NCWV Region)

EDUCATION

- Fairmont State College, Fairmont, WV – Bachelor of Science in Engineering Technology – 2003

ZACHARY L. ASSARO



SUMMARY

Mr. Assaro is an Engineering Consultant/Manager and Member of Ascent Consulting and Engineering, LLC. He has over 6 years of consulting experience focusing on land development projects and stormwater management in WV, MD, and PA. His expertise allows him to guide projects from concept to completion by understanding the goals/vision of the project, effectively communicating with the project team, and paying careful attention to the details. Mr. Assaro will be responsible for managing support staff and project details throughout this project.

HIGHLIGHTED PROJECTS

ASCENT CONSULTING AND ENGINEERING (BRIDGEPORT, WV) – MAY 2018 - PRESENT

- **JENKINS SUBARU – ADDITION**
Site plan development for the addition of a 10,000 sf office space in the parking lot of an existing dealership. The project consisted of layout to allow for circulation within the existing dealership, parking, utility connections, stormwater conveyance, and re-grading of the existing gravel parking lot.
- **THE VALE**
Layout and engineering design for an upscale housing development in Bridgeport, WV. The community utilizes low impact development practices to provide 22 lots ranging in size from 1 to 7 acres. The project required substantial utility extensions and creativity in stormwater management controls.

THE THRASHER GROUP (BRIDGEPORT, WV) – MAY 2012 – MAY 2018

Throughout Mr. Assaro's employment with The Thrasher Group, he served in a variety of roles ranging from Staff Engineer up to Project Manager. This allowed him to work on teams for a wide variety of projects and in a range of capacities.

- **BUSINESS AND COMMERCIAL/RETAIL**
Designed and permitted sites for multiple commercial properties including Hawthorn Suites, TGI Friday's, Generic Retail Centers, Shop N' Save, Dollar General, Kia, Audi, Subaru, and Ford Dealerships. Also served on Project Team as lead engineer for the Boy Scouts of America Welcome Center located on US Rt. 19
- **INDUSTRIAL PARK**
Designed and managed a block factory known as America's Best Block. Throughout this experience handled foreign affairs and foreign design coordination.
- **STORMWATER MANAGEMENT**
Designed and managed multiple stormwater upgrades for municipalities such as the City of Bridgeport and Fayetteville.

EDUCATION

- Fairmont State University, Fairmont, WV – Bachelor of Science in Engineering Technology – 2012

JEFFREY TODD
ENVIRONMENTAL MANAGING SCIENTIST



SUMMARY

Mr. Todd serves as Ascent Consulting and Engineering, LLC. (ACS) environmental lead and managing scientist, who performs both field and office related activities. Mr. Todd meets the definition of an environmental professional and has over 12 years of experience in the consulting field, as an environmental scientist and project manager. Mr. Todd has experience in multiple environmental areas, including Phase I and II Environmental Site Assessments (ESAs), aquatic resource surveys and permitting, endangered species consultations, asbestos inspection, operating permit compliance, and general environmental consulting. Mr. Todd has performed work at various sites on public, private, and government properties, with different levels of complexity. In addition, Mr. Todd also provides assistance to clients with the preparation and review of Spill Prevention Control and Countermeasure (SPCC), Stormwater Pollution Prevention (SWPP), and Groundwater Protection (GP) plans.

Highlighted Projects

Stonewall Resort 10 Year Development Plan (Roanoke, WV) – planned, coordinated, and prepared an Environmental Assessment (EA), as Finding of No Significant Impact (FONSI) on United States Army Corps of Engineers (USACE) administrated property, for future resort development.

Union Public Service District – Rocky Fork Project (Cross Lanes, WV) – planned, coordinated, and permitted future sanitary sewer treatment upgrades and service extension, with multiple local, state, and federal agencies, including but not limited to West Virginia Department of Environmental Protection (WVDEP), West Virginia Department of Natural Resources (WVDNR), West Virginia State Historical Preservation Office (WVSHPO), United States Fish and Wildlife Service (USFWS), Kanawha County Floodplain Management, West Virginia Department of Highways (WVDOH), and USACE.

Angell's Pump and Save (Nimitz, WV) – planned, coordinated, and prepared an Initial Site Characterization Report (ISCR) and subsequent Corrective Action Plan (CAP), for an active commercial retail service center. Activities included working with multiple stakeholders including the property owner, potential lending institutions, construction contractors, and regulatory agencies.

UTC Waterline (Union, WV) – planned, coordinated, assessed, and permitted an approximate 2.5 mile waterline, to service UTC Aerospace for fire suppression needs and a potable water supply. Services included Phase I ESA, aquatic resource surveys, specialized endangered species survey coordination, and funding agency environmental assessment.

Education

- Masters of Science, Environmental Science, Marshall University
- Bachelors of Science, Wildlife and Fisheries Resources, West Virginia University

Certifications and Training

- OSHA 40hr HAZWOPER Training and subsequent 8-hour refreshers
- Wetland Delineation & Regional Supplement (38 hours)
- Licensed Asbestos Inspector for the state of West Virginia
- PEC Safe Land USA and Gulf Training
- 10 Hour OSHA Outreach Training Course for the Construction Industry



Executed Documents





Purchasing Division
 2018 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Expression of Interest
 02 -- Architect/Engr

Proc Folder: 484717

Doc Description: Renovation of Miners Health, Safety, & Training Bldg.

Proc Type: Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2018-08-21	2018-09-20 13:30:00	CEOI 0314 HST1900000001	1

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Name, Address and Telephone Number:
 Paradigm Architecture, Inc.
 2223 Cheat Road, Suite 300
 Morgantown, WV 26508
 304.284.5015

FOR INFORMATION CONTACT THE BUYER

Michelle L Childers
 (304) 558-2063
 michelle.l.childers@wv.gov


Signature X

FEIN # 63-1263568

DATE 9/18/18

All offers subject to all terms and conditions contained in this solicitation

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

 President

(Name, Title)
Paul A. Walker, AIA, President

(Printed Name and Title)
Paradigm Architecture, Inc., 2223 Cheat Rd., Ste. 300, Morgantown, WV 26508


(Address)
304.284.5015 | 304.284.5014

(Phone Number) / (Fax Number)
pwalker@paradigm-arch.com

(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Paradigm Architecture, Inc.

(Company)
 Paul A. Walker, AIA, President

(Authorized Signature) (Representative Name, Title)
Paul A. Walker, AIA, President

(Printed Name and Title of Authorized Representative)
9/18/11

(Date)
304.284.5015 | 304.284.5014

(Phone Number) (Fax Number)

**ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:**

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received: Not applicable.
(Check the box next to each addendum received)

- | | |
|---|--|
| <input type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Paradigm Architecture, Inc.

Company

Authorized Signature

9/18/18

Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

West Virginia Ethics Commission
Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

Name of Contracting Business Entity: Paradigm Architecture, Inc. **Address:** 2223 Cheat Road, Suite 300
Morgantown, WV 26508

Name of Authorized Agent: Paul A. Walker, AIA **Address:** same as above

Contract Number: CEOI 0314 HST1900000001 **Contract Description:** Renovation of Miners Health, Safety & Training Building

Governmental agency awarding contract: Office of Miners Health, Safety & Training

Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):

1. Subcontractors or other entities performing work or service under the Contract

Check here if none, otherwise list entity/individual names below.
Miller Engineering, Inc. - Allegheny Design Services - Ascent Consulting & Engineering

2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)

Check here if none, otherwise list entity/individual names below.
Paul A. Walker, AIA, President

3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)

Check here if none, otherwise list entity/individual names below.
Paul A. Walker, AIA President

Signature:  Date Signed: 9/18/18

Notary Verification

State of West Virginia, County of Monongalia:

I, Paul A. Walker, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this Eighteenth day of September, 2018


Notary Public's Signature

To be completed by State Agency:

Date Received by State Agency: _____

Date submitted to Ethics Commission: _____

Governmental agency submitting Disclosure: _____

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: Under W. Va. Code §5A-3-10a, 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: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. 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.

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.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"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.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §81-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Paradigm Architecture, Inc.

Authorized Signature: _____ Date: 9/18/18

State of West Virginia

County of Monongalia, to-wit:

Taken, subscribed, and sworn to before me this 18th day of September, 2018.

My Commission expires May 28, 2020.



NOTARY PUBLIC Sheryl J. Snider

Purchasing Affidavit (Revised 01/19/2018)