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SU Purchasing Division



Cacapon Lodge Resort Addition & Various Improvements Renovations

Division of Natural Resources
Solicitation CEOI 0310 DNR1700000007



Sealed Bid
Buyer: Guy Nisbet
Solicitation No.: CEOI 0310 DNR1700000007
Bid Opening Date: July 20, 2017
Bid Opening Time: 1:30 PM EST

PARADIGM ARCHITECTURE

19 July 2017

Mr. Guy Nisbit
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

Re: **Cacapon Resort State Park Lodge Additions**
Request for Proposals for
West Virginia Division of Natural Resources

Dear Mr. Nisbit:

Paradigm Architecture Inc. is pleased to submit our proposal for Architectural/Engineering Services for the Additions to the Cacapon Resort State Park Lodge. As the original architects for the project until it was placed on indefinite hold pending State funding, we are excited to see that it is active once again. We have assembled our team of architects, engineers, cost estimator, and designers to present our qualifications for completing this project.

Paradigm Architecture has continued to build our resume in the hospitality industry. We previously completed the Two Waterfront Place Hotel & Conference Center in Morgantown and the Glade Springs Resort and Conference Center located in Daniels, WV. In 2011, the Canaan Resort Lodge, with its 160 rooms, Grand Lobby and updated public areas was completed. We also designed the renovations of the Waterfront Place Hotel to convert the facility into a full service Marriott Hotel. Other projects include studies for the Wintergreen Resort Lodge, West Virginia University Hotel & Conference Center and a Hotel & Conference Center for the University of Connecticut. We have also completed many restaurants, and large student housing projects.

For the Cacapon Resort State Park project, we have included the services of CTL Engineering of Morgantown to provide Civil Engineering and Golf Course Design services. Allegheny Design Services will provide Structural Engineering. Miller Engineering will serve as Mechanical, Electrical, and Plumbing engineers. They will also be responsible for the aquatic engineering for the swimming pool. Design Innovations will continue in the role of Interior Design for the project and Pat Stinson will provide Construction Cost Estimating. We have extensive relationships with these professionals and have successfully completed many projects together.

We understand the emphasis that you have placed on communication and adherence to budget and schedule. In our proposal, we have addressed these issues in detail and provided a history of our performance. We would encourage you to contact our references and verify our performance on previous projects.

Thank you again for the opportunity to submit this proposal and we look forward to working with the WVDNR to complete this very important project.

Best regards,



Paul A. Walker, AIA, President

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Paradigm Qualifications & Experience



2.



West Virginia University Mountaineer Station

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

*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.

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.

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.



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 Corning Glass Block

2004 – Circle of Design Excellence Award

Lightning Strikes Family Fun Center

Trussville, AL

West Virginia American Institute of Architects

2010 – Honor Award

Upper Monongahela River Center

Morgantown, WV

2010 – Merit Award

West Virginia University

Transportation Center & 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

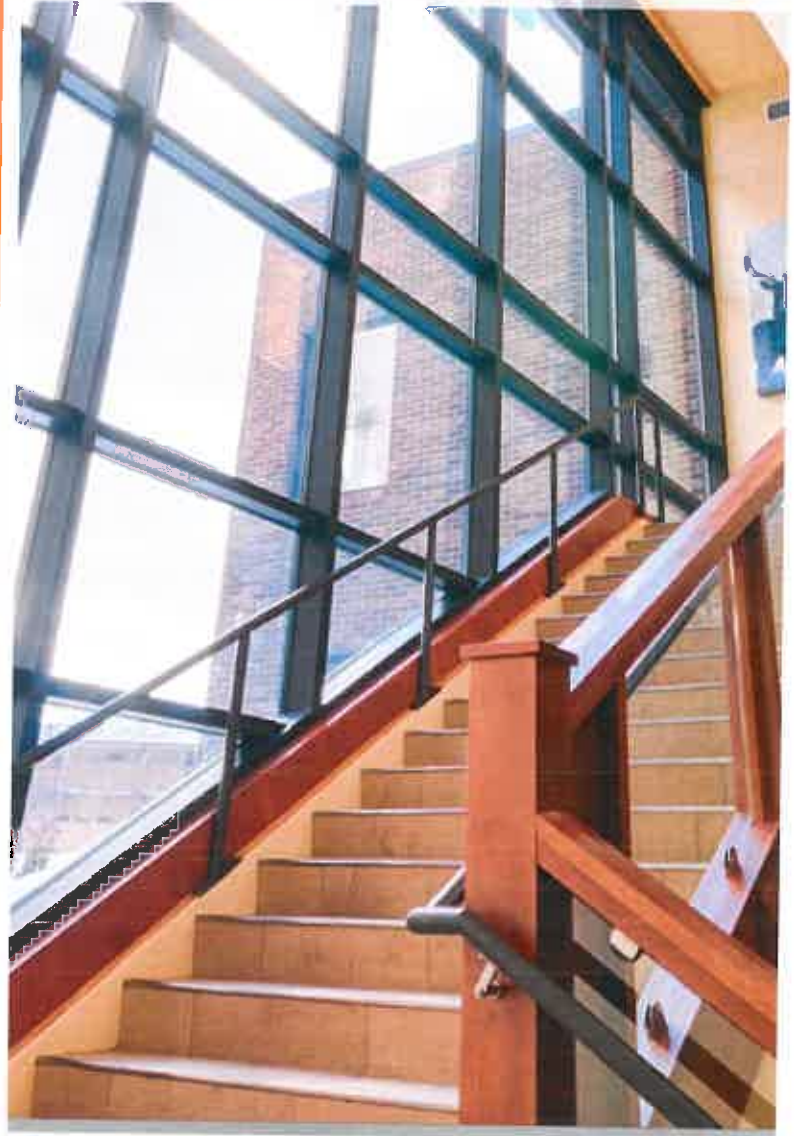
Medical and retirement life care projects dominate our staff's institutional portfolio. Medical projects include outpatient surgery centers, patient care rooms, emergency medicine, surgery suites, labor & delivery suites, Magnetic Resonance Imaging, X-ray diagnostic services, and heart catheterization 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.

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.



Resumes | Certifications
Staffing Plan | References



2.

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

Two Waterfront Place Hotel & Conference Center
Morgantown, West Virginia

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

Cacapon Resort State Park Lodge Expansion
Berkeley Springs, West Virginia

Glade Springs Resort & Conference Center
Daniels, West Virginia

Waterfront Marina & Boathouse Bistro
Morgantown, West Virginia

West Virginia University College Park
Morgantown, West Virginia

Morgantown Event Center & Parking Garage
Morgantown, West Virginia

University Park Student Housing & Condos/Retail
Morgantown, West Virginia

West Virginia University Downtown Student Housing
Morgantown, West Virginia

Waterfront Marriott Hotel Renovations
Morgantown, West Virginia

U Club Sunnyside Student Housing
Morgantown, West Virginia

University of Connecticut Hotel & Office Space
Storrs, Connecticut

Education

Bachelor of Architecture
University of Tennessee
Knoxville, 1982

Affiliations

American Institute of Architects
NCARB # [REDACTED]

Registrations

West Virginia [REDACTED]
Alabama [REDACTED]
Florida [REDACTED]
Maryland [REDACTED]
North Carolina # [REDACTED]
Pennsylvania [REDACTED]
South Carolina [REDACTED]
Tennessee [REDACTED]
Virginia [REDACTED]

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, appearing to read "Emily Papadopoulos", written on a light-colored rectangular background.

Board Administrator

Grant T. Gramstad, AIA

Project Manager

Mr. Gramstad has 24 years of experience in the design industry as an architect. He is one of the founding members of Paradigm Architecture and is the Architect of Record for all of the firms' Alabama projects. Located in the Birmingham office, his experience includes multiple higher education clients as well as hospitality clients. Currently, he is working on the Waterfront Marriott Hotel renovation. His roles have included project management, design, and supervision of small to large scale architectural projects. Project experience includes renovations, commercial, hospitality, corporate, educational, governmental, healthcare, industrial, institutional, recreational, and residential.

Experience

Two Waterfront Place Hotel & Conference Center
Morgantown, West Virginia

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

Cacapon Resort State Park Lodge Expansion
Berkeley Springs, West Virginia

Morgantown Event Center & Parking Garage
Morgantown, West Virginia

University Park Student Housing & Condos/Retail
Morgantown, West Virginia

Glade Springs Resort & Conference Center
Daniels, West Virginia

Waterfront Marina & Boathouse Bistro
Morgantown, West Virginia

West Virginia University College Park
Morgantown, West Virginia

West Virginia University Downtown Student Housing
Morgantown, West Virginia

U Club Sunnyside Student Housing
Morgantown, West Virginia

Waterfront Marriott Hotel Renovations
Morgantown, West Virginia

University of Connecticut Hotel & Office Space
Storrs, Connecticut

Education

Master of Architecture
Tulane University
New Orleans, Louisiana, 2004

Bachelor of Architecture
Tulane University
New Orleans, Louisiana, 1993

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

Affiliations

American Institute of Architects

Registrations

Alabama [REDACTED]



**THE ALABAMA BOARD FOR
REGISTRATION OF ARCHITECTS**

**certifies that it has registered and authorized
to practice in the State of Alabama**

Grant T Gramstad

as a

REGISTERED ARCHITECT

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

**Registration Number: [REDACTED]
Initial Registration Date: 3/23/1999**

The registration is currently in good standing and expires on 12/31/2017



Elizabeth Bern
Executive Director

Todd G. Christopher, AIA

Project Architect

Todd's responsibilities have included development of construction documents and drawings, project management, marketing presentations, bidding procedures, and construction administration. He has a combined 14 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

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

Cacapon Resort State Park Lodge Expansion
Berkeley Springs, West Virginia

University Park Student Housing & Condos/Retail
Morgantown, West Virginia

West Virginia University College Park
Morgantown, West Virginia

U Club Sunnyside Student Housing
Morgantown, West Virginia

Waterfront Marriott Hotel Renovations
Morgantown, West Virginia

University of Connecticut Hotel & Office Space
Storrs, Connecticut

James B. Duke Residence Hall*
Davidson, North Carolina

Castalia @ Meadowmont Multi-Family/Mixed Use*
Chapel Hill, North Carolina

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]*

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

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 16 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

Two Waterfront Place Hotel & Conference Center
Morgantown, West Virginia

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

Cacapon Resort State Park Lodge Expansion
Berkeley Springs, West Virginia

Glade Springs Resort & Conference Center
Daniels, West Virginia

West Virginia University College Park
Morgantown, West Virginia

Morgantown Event Center & Parking Garage
Morgantown, West Virginia

University Park Student Housing & Condos/Retail
Morgantown, West Virginia

U Club Sunnyside Student Housing
Morgantown, West Virginia

West Virginia University Downtown Student Housing
Morgantown, West Virginia

Waterfront Marriott Renovations
Morgantown, West Virginia

Education

*Bachelor of Architecture
Auburn University
Alabama, 1984*

*Roofing Technology
The Roofing Industry
Educational Institute, 1995*

Affiliations

American Institute of Architects

Tyler 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

University Park Student Housing & Condos/Retail
Morgantown, West Virginia

West Virginia University Downtown Student Housing
Morgantown, West Virginia

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

Morgantown Event Center & Parking Garage
Morgantown, West Virginia

West Virginia University College Park
Morgantown, West Virginia

Waterfront Marriott Hotel Renovations
Morgantown, West Virginia

U Club Sunnyside Student Housing
Morgantown, West Virginia

University of Connecticut Hotel & Office Space
Storrs, Connecticut

Mountaineer Wellness & Education Complex - Aquatic/Track Facility
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

The West Virginia Board of Architects

certifies that

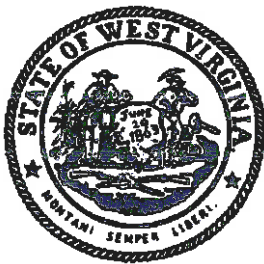
TYLER BLAKE ETRIS

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 [REDACTED]

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



A handwritten signature in cursive script, reading "Graily Papadopoulos".

Board Administrator

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

Morgantown Event Center & Parking Garage
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 College Park
Morgantown, West Virginia

University Park Student Housing & Condos/Retail
Morgantown, West Virginia

U Club Sunnyside Student Housing
Morgantown, West Virginia

University of Connecticut Hotel & Office Space
Storrs, Connecticut

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

Education

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

Steve Konya

CAD | Production | 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 11 years. Project types have included commercial, hospitality, recreational, corporate, educational, hospitality, institutional, and retail.

Experience

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

Cacapon Resort State Park Lodge Expansion
Berkeley Springs, West Virginia

Glade Springs Resort & Conference Center
Daniels, West Virginia

Glade Springs Resort Clubhouse Expansion
Daniels, West Virginia

University Park Student Housing & Condos/Retail
Morgantown, West Virginia

West Virginia University College Park
Morgantown, West Virginia

Morgantown Event Center & Parking Garage
Morgantown, West Virginia

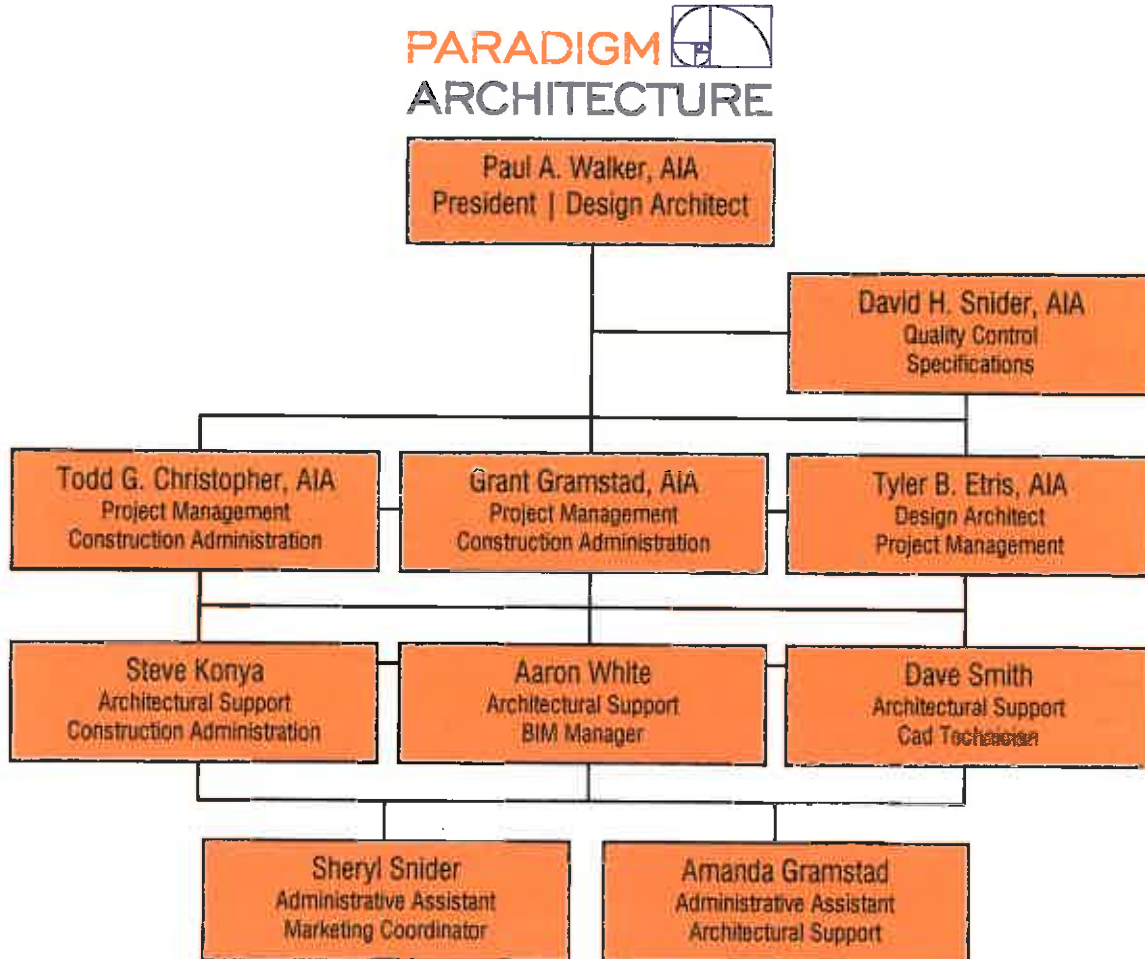
West Virginia University Downtown Student Housing
Morgantown, West Virginia

West Virginia University Intermodal Garage
Morgantown, West Virginia

U Club Sunnyside Student Housing
Morgantown, West Virginia

Education

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



This represents Paradigm Architecture's organization for staffing the project for the Cacapon Lodge Resort project. Paul Walker will be involved through all phases of this project.

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. John Delacruz

Vice President, Development
American Campus Developers
12700 Hill Country Blvd., Ste. T-200
Austin, TX 78738
(512) 732-1031
jdelacruz@studenthousing.com

Mr. Mark R. Nesselroad

CEO
Glenmark Holding LLC
1399 Stewartstown Road, Suite 200
Morgantown, WV 26505
(304) 413-0497
mnesselroad@glenmarkholding.com

Mr. John Sommers

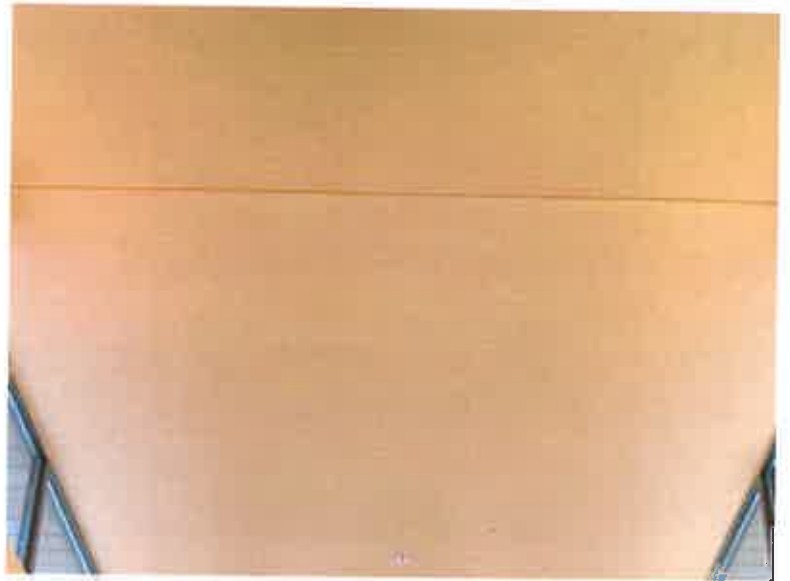
Project Management
West Virginia University
Design and Construction Services
PO Box 6572
Morgantown, WV 26506-6572
(304) 293-2856
John.Sommers@mail.wvu.edu

Mr. Rich Lane

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

Mr. Brian Johnson

Bright Enterprises
for Glade Springs Resort
PO Box 460
Summersville, WV 26651-0460
(304) 872-3000 Ext. 219
bjohnson@brithtwv.com



Projects | Goals & Objectives | Solutions



2.



Waterfront Marriott Hotel Renovation

Morgantown, WV

This 207-room Marriott Hotel 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.

Owner: Randy Kunert

Minsyr-Oxbridge, LLC

Stonebridge Companies

9100 E. Panorama Dr., #300

Englewood, CO 80112

303.991.6073

Completed: Summer 2016

Size: 125,000 Square Feet (full renovation)

Cost: \$16.3 Million

Delivery Type: Negotiated

Contractor: Hyphen Construction Group

Services Rendered: Architecture, Structural, and MEP Engineering



Two Waterfront Place Hotel & Conference Center | Morgantown, WV

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

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

Owner: Mermaid, LLC

Owner's Representative: Laury Podolinski

Phone: 304.284.5011

Completed: 2003/Ongoing

Cost: \$35 Million

Size: 296,427 Square Feet

Delivery Type: Design-Build-Negotiated

Contractor: March-Westin Company, Inc.



Regatta Bar & Grille & Rat Pack Lounge Morgantown, WV

The Regatta Bar and Grille is a 5,000 square foot fine dining restaurant located on the first floor of the Waterfront Place Hotel. It features a décor centered around a crew team/rowing theme. Additional features include a private dining room and outdoor terrace dining overlooking the Monongalia River. The restaurant also hosts the Bob Huggins and Bill Stewart statewide sportsline shows each week during the football and basketball seasons. The Rat Pack Lounge, which is also located on the first floor of the Waterfront Place Hotel, features a high end but casual atmosphere.

Owner: Mermaid, LLC

Owner's Representative: Laury Podolinski

Phone: 304.284.5011

Completed: 2003/Ongoing

Cost: \$35 Million

Size: 296,427 Square Feet

Delivery Type: Design-Build-Negotiated

Contractor: March-Westin Company, Inc.



Glade Springs Resort & Conference Center

Daniels, WV

Located in the Allegheny Mountains of West Virginia, this 48-room luxury hotel and conference center is available for both family vacations and business retreats, offering access to ski, spa, and golf activities. The facility is located on the site of the existing conference center and is connected to the existing commercial kitchen. The facility functions as the main lodging and meeting center of the resort and offers a mix of hotel rooms and suites, and an additional 4,100 square feet of ballroom and meeting space.

Owner: Glade Springs Resort

Completed: Fall 2005

Cost: \$6 Million

Size: 48,500 SF

Delivery Type: Design-Bid-Negotiated

Contractor: Alliance Construction Management



Glade Springs Resort Leisure Center | Daniels, WV

This renovation at Glade Springs Resort provides guests with year round recreation. Amenities include a ten-lane bowling alley, indoor swimming pool, full service spa, sauna and steam rooms, fitness center, basketball and tennis courts, video arcade, cinema room, and full locker and shower facilities.

Owner: Glade Springs Resort

Completed: 2007

Size: 56,000 Square Feet

Delivery Type: Design-Build-Negotiated

Contractor: Alliance Construction Management



Glade Springs Resort Clubhouse Expansion

Daniels, WV

A two-story addition to the existing golf clubhouse at Glade Springs Resort. The lower level features men's and women's locker rooms, and the upper level houses the Bunkers Restaurant. Outdoor dining is offered on a large deck overlooking the golf course.

Owner: Glade Springs Resort

Owner's Representative: Brian Johnson

Phone: 304.872.3000

Completed: Summer 2006

Cost: \$1.1 Million

Size: 6,500 Square Feet

Delivery Type: Design-Build

Contractor: Alliance Construction Management



Canaan Valley Resort State Park Renovations & Additions | Davis, WV

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

Owner's Representative: Bradley S. Leslie, PE

Phone: 304.558.2764

Completed: Fall 2013

Cost: \$25 Million

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

Delivery Type: Design-Bid-Build Competition

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.

**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



Paradigm
ARCHITECTURE



University of Connecticut Hotel & Office Space Storrs, CT

Paradigm has been engaged to provide architectural design services for a new hotel, conference center, and office complex. The project will help facilitate the current needs of the University of Connecticut by providing a 70,000 square foot hotel with around 100 guest rooms, a 20,000 square foot conference center, and a 115,000 square foot office complex. The hotel will accommodate a restaurant, a private dining room, a fitness area, administrative offices, an ice cream parlor, a swimming pool, and a spa. The conference center will hold a 5,600 square foot ballroom, meeting rooms, pre-function area, and a full service kitchen.

Owner: University of Connecticut
31 LeDoyt Road
Storrs, CT 06269

Completion: TBD

Size: Hotel: 70,000 sf
Conference Center: 20,000 sf
Office Complex: 115,000 sf

Cost: TBD

Delivery Type: Design-Build

Contractor: TBD

Services Rendered: Architecture



Wintergreen Resort Lodge Renovations & Additions | Wintergreen, VA

Located 35 miles southwest of Charlottesville, Virginia, Wintergreen Resort is a four-season mountain retreat with beautiful views on the eastern slopes of the blue Ridge Mountains. Situated on 11,000 acres adjacent to the George Washington National Forest, the Resort is the ultimate vacation and conference spot, with 45 holes of championship golf; skiing, snowboarding and snow tubing; an award-winning tennis program with 3 indoor courts and 19 outdoor clay courts; a full-service, destination spa featuring 13 treatment rooms; a fitness center; 40,000 square feet of combined indoor/outdoor meeting and event space; charming lodging; and a variety of enticing dining options. Additional amenities include a lake, swimming pools, and a youth entertainment center.

Owner: James C. Justice Companies, Inc. & The Greenbrier Resort
Estimated Completion: TBD

Cost: \$25 Million

Size: 102,534 Square Feet (addition) 64,993 Square Feet (renovation)

Contractor: TBD



Morgantown Event Center | Morgantown, WV

The Morgantown Event Center and 214-space Parking Garage is located adjacent to the Waterfront Place Hotel and Conference Center along the Monongahela River in Morgantown. The large main event room is designed to accommodate a variety of event types including concerts, plays, boxing matches, banquets, and conventions. The facility features a full catering kitchen and support spaces.

ABC West Virginia Chapter: 2010 Excellence in Construction Award

Event Center Owner: City of Morgantown

Parking Garage Owner: Platinum Properties

Completed: Spring 2010

Cost: \$30.3 Million

Size: 159,000 Square Feet

Delivery Type: Design-Build Competition

Contractor: March-Westin Company, Inc.



Morgantown Event Center | Morgantown, WV



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



U Club Sunnyside | Morgantown, WV

A student housing facility with multiple story split buildings containing approximately 210,000 square feet and consisting of 134 units with 536 beds, together with an 8,971 square foot community center. The apartment-style units consist of a combination of 4 bedroom/4 bath and 2 bedroom/2 bath. The community center has a public lobby, administrative offices, fitness center, pool, game room, and study lounge.

Owner: American Campus Communities

Owner's Representative & Phone: Jeremy Roberts; 512.569.7481

To Be Completed: Fall 2016

Cost: \$33 Million

Size: 210,000 Square Feet

Delivery Type: Design-Build

Contractor: March-Westin Company, Inc.



University Park | Morgantown, WV



This student housing project at West Virginia University includes a dormitory facility to accommodate 900± students, an apartment complex with two-, three-, and four-bedroom apartments to house 400± students, and a mixed-use building to provide housing for rent as well as building amenities such as a restaurant, and retail space for rent including buildout, along with outparcels and other buildings to fully develop the property.

“University Park Apartments is West Virginia University’s newest apartment complex. It is located on the Evansdale Campus and has modern student living space composed of fully-furnished 1, 2 and 4 bedroom configurations. All apartments have granite countertops in the kitchen and bathrooms, stainless steel appliances, countertop eat-in bar and more.” -universitypark.wvu.edu



Owner: University Park at Evansdale, LLC

Owner’s Representative & Phone: Mike Saab; 304.599.3369

Completed: Fall 2015

Cost: \$73 Million

Size: 434,104 Square Feet

Delivery Type: Design-Build

Contractor: March-Westin Company, Inc.



Waterfront Marina & Boathouse Bistro

Morgantown, WV

A marina featuring the Boathouse Bistro restaurant on the top level offers public boat docking situated on the Monongahela River in Morgantown's Wharf District. The lower level of the facility is home to West Virginia University's Crew team.

Owner: City of Morgantown

Owner's Representative: Dan Boroff (304-284-7405)

Completed: 2007

Cost: \$4.2 Million

Size: 8,660 Square Feet

Delivery Type: Design-Build-Negotiated

Contractor: March-Westin Company, Inc.

Projects Goals & Objectives & Solutions

Waterfront Marriott Renovations

Goals & Objectives: After the purchase of the Waterfront Place Hotel, the new Owner sought to upgrade the facility to become a full service Marriott Hotel and Conference Center. For Marriott, this was an opportunity to incorporate its new design approach to attract a younger market.

Solution: In Phase 1 of renovations to the facility, all guest room floors and hotel public spaces received upgrades. Rooms feature LVT wood flooring, lounging furniture, photo mural headboards, and clean modern bathrooms with showers. The main lobby space includes a Starbucks, lobby bar and Bourbon Prime Restaurant. Key to this space is the open, contemporary design that invites interaction among visitors. Additional amenities include renovated indoor swimming pool, spa, fitness center, Marriott Rewards Club and outdoor terrace overlooking the Monongalia River. Future renovations will upgrade the Conference Center and the 20,000 SF Event Center.

Two Waterfront Place Hotel & Conference Center

Goals & Objectives: Develop a first class, full service hotel and conference center which would include private condominiums to serve the growing demands of the Morgantown community and West Virginia University. The building represented Phase 2 of a development that included an Administrative Office building and parking garage.

Solution: Positioned on the Monongalia River, the solution included a 17-story tower housing the hotel functions and condominiums. Amenities included a lobby, restaurant, private dining, lobby bar, swimming pool, fitness center and spa. The adjacent 22,000 SF Conference Center includes a 8,000 SF Grand Ballroom, numerous meeting rooms, a Board Room for executive meetings and an outdoor terrace overlooking the river.

Glade Springs Resort & Conference Center

Goals & Objectives: Create a new hotel and conference center addition to complement the existing conference center/restaurant. The new facility should reflect the traditional architecture of the development.

Solution: In keeping with the architecture of the Golf Clubhouse, the new hotel and conference center is positioned in front of the existing facility and utilizes the existing meeting rooms, restaurant and commercial kitchen while providing 48 new guest rooms, lobby, offices and a Grand Ballroom.

Canaan Valley Resort State Park Renovations & Additions

Goals & Objectives: Replace outdated lodging with modern guest rooms and common area upgrades which highlight the beauty of the Canaan Valley.

Solution: Two guest lodging wings flank a new lobby in order to maximize the views of the valley. The existing lodge public spaces were repurposed to include a snack bar, gift shop, Pre-function area and meeting rooms.

Cacapon Resort State Park Lodge Expansion

Goals & Objectives: 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.

University of Connecticut Hotel & Office Space

Goals & Objectives: Develop a complex to include hotel and conference center, retail and administrative office space specifically to reflect and support the University of Connecticut brand. The project should also reflect the character of the Storrs community.

Solution: The concept for the 16 acre development situates a new 100-room hotel and conference center immediately against a nature preserve in order to create a peaceful and attractive environment. Amenities include a restaurant, lobby and UCONN-themed sports bar, an ice cream café featuring the Ag School's famous products, indoor swimming pool, fitness center, and spa. The conference Center includes 5,600 SF of meeting space in a Grand Ballroom, meeting rooms and Board Room. Included in the master plan is a 100,000 SF Administrative Office Building to house university functions and private offices. The plan accommodates a second office building in a future development.

Wintergreen Resort

Goals & Objectives: Prepare a Study with design solution to develop a new full service Lodge for the Ski Resort. Evaluate how the Lodge can be positioned to functionally connect to existing amenities and maximize spectacular mountain views.

Solution: We developed a design solution that satisfied the functional relationship requirements, offered scenic views and presents a bold architectural impression that also compliments the existing facilities. The project is in the funding stage.

Projects Goals & Objectives & Solutions

Morgantown Event Center

Goals & Objectives: Funded through monies provided by a West Virginia Economic Development Grant, Tax Increment Financing, and private investment, the Event Center and Garage is intended to provide a multi-purpose facility to accommodate a variety of activities ranging from banquets, concerts, conventions, lectures, to boxing and other sporting events. The facility will house the West Virginia Public Theater, a summer stock musical theater group. The space must provide full audiovisual, theatrical lighting, stage and rigging as well as portable seating risers to facilitate performing arts.

The property for the project physically connects to the existing Two Waterfront Place Conference Center in the Waterfront District of Morgantown. It is situated adjacent to the Caperton Rail Trail and the Monongahela River. The slope across the site requires that the building be two stories at the river elevation and one level at the road side.

Solution: The design solution positioned common lobby spaces on the upper and lower floors immediately adjacent to the existing Conference Center. Vertical circulation via a grand staircase and elevators provide access to the 23,000 SF event space. The garage is positioned on the end of the development and a concourse provides patrons and visitors direct access to the Event Center and Hotel. Outdoor terraces on the upper and lower levels provide gathering areas to view the river. Back of house areas connect directly to the main event space and include the commercial kitchen, service corridors, storage and loading docks. A "Green Room" with private kitchen for use by performers is also provided. A decorative grid ceiling provides visual interest and allows for access to a sophisticated system of hoists for truss rigging, speaker clusters, lighting positions, and smoke management. The flexibility of the building infrastructure will accommodate banquets to boxing and is specially configured for the performing arts function required by the West Virginia Public Theater.

U Club Sunnyside

Goals & Objectives: Efficiently utilize a topographically-challenging but ideally-positioned property to develop a housing complex for the largest developer of student housing in the country. Provide study, recreational, and fitness opportunities in a common community center and create a strong pedestrian connection to the downtown campus of West Virginia University.

Solution: Multiple buildings housing 575 students were positioned on the site to accommodate the sloping terrain. To solve the pedestrian connection to campus, the Community Center was located at the corner of the site and serves as the vertical circulation path from the housing to the campus. The Center provides opportunities for residents to meet in study rooms, play video games or pool in the lounge, work out in the Fitness Room, or enjoy the outdoor swimming pool.

University Park

Goals & Objectives: Replace aging student housing with 408 apartments in a mixed use development. The housing options are dormitory style double rooms with spa restroom facilities and one, two and four bedroom apartments. Support facilities include University operated food services, private restaurants, a private fitness center, convenience store, a nail salon, study rooms, and community social spaces.

Solution: The final complex includes 6 buildings positioned to create a common courtyard which facilitates outdoor recreational and social activities. Two 9-story towers joined by a common lobby building accommodate 902 freshman students. The three remaining apartment buildings house upperclassmen in 4-story structures. The mixed-use building features retail spaces over 3 floors of apartments. The complex is in walking distance to the Evansdale campus, Ruby Memorial Hospital, and Mylan Puskar Stadium.

Waterfront Marina & Boathouse Bistro

Goals & Objectives: Utilizing a narrow strip of land between the Rail Trail and the Monongalia River, develop a marina and boathouse to provide additional opportunities for the community to participate in activities connected with the river. Provide facilities to house the WVU Rowing Team and local rowing clubs. Finally, allow for space to house a fine dining restaurant which will allow patrons to enjoy the river view.

Solution: The design features a long narrow building in response to the site. Gently sloping ramps provide easy access from the rail trail to the dock slips and crew boat launch. The two story building provides space for boat storage on the lower floor. The restaurant on the upper floor offers dining in a space that features exposed steel bowstring trusses and wood decking reminiscent of a boat hull. An outdoor deck that runs the full length of the building provides outdoor dining overlooking the river. A common outdoor viewing deck allows the public to enjoy the view of the river.



Communication |



2.1 a.



Marina Tower and Upper Monongahela River Center

2.1 a. Owner Communication |

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 West Virginia Division of Natural Resources (DNR).

Review and Verify Project Program

Even though Paradigm Architecture and our associated engineering consultants have extensive experience with the Cacapon Resort Project, we want to begin by confirming the Program for the project as it is envisioned today. We will review and confirm the components, function, square footages, systems, furnishings, etc. as currently designed. This will also include the utility upgrades, landscaping, and even golf course improvements. We will then incorporate any new features identified by the DNR into the program. It is critical that we reach agreement on the scope of the project.

Review and Verify the Budget

This project has the unusual benefit of having been bid once already. This information gives us a basis for the actual cost with a proper adjustment for inflation. After the Building Program is adjusted to reflect the revised scope, a new estimate can be prepared by our Cost Estimator. This will yield a construction cost that must be approved prior to moving forward.



United States Department of Agriculture

Establishing a Project Schedule

With the revised Program and Budget, we will assist with updates to the Project Schedule. This will include the timeframe for the completion of modifications to the drawings and specifications as well as the projected Bidding period. Included in the process will be the resubmittal to the West Virginia State Fire Marshal's office for plans review and the State Historic Preservation Office, if necessary. 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 at Cacapon. We will also identify a 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 for nearly a decade. 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 West Virginia Division of Natural Resources and clearly communicating all aspects of the work during the Planning, Construction Document, Bidding, and Construction Administration Phases.

Repeat Clients

West Virginia University, Morgantown, WV

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
Data 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



Project Budget History & Plan



2.1 b.



Fairmont State University Hardway Hall

2.1 b. 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	\$787,603	\$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
Pfizer Innovations Office Building/Warehouse	\$1,800,000	\$1,880,000	3%	
Sunnyside Commons Student Housing	\$33,000,000	\$36,000,000	9%	
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	\$15,800,000	\$16,500,000	6%	Owner-Requested Changes
US DOE	\$10,700,000	\$10,900,000	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	\$36,900,000	3%	
WVU Downtown Student Housing	\$17,000,000	\$17,500,000	3%	
WVU Parkersburg - Phase 1 (shell)	\$892,000	\$1,032,000	16%	
WVU Parkersburg - Phase 2 (fitup)	\$996,000	\$1,024,000	3%	
WVU Parkersburg - Phase 3 (casework)	\$359,000	\$413,000	15%	
WVU Transportation Center	\$14,800,000	\$16,000,000	8%	

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



Pillar Innovations

2.1 b. Project Budget Plan

Review and Verify the Budget

This project has the unusual benefit of having been bid once already. With a proper adjustment for inflation, this information gives us a basis for the current cost. After the Building Program is adjusted to reflect the revised scope, a new estimate can be prepared by our Cost Estimator. We have included the services of Pat Stinson to perform cost estimating services. Pat offers the benefit of decades of experience in the construction industry. He has worked as a cost estimator, project manager and has even owned his own construction company.

Step 1:

Update construction estimate to reflect inflation from the previous bid. Apply projected costs associated with Owner-directed scope changes to the project. Thoroughly review the conclusions of this document with the Owner to confirm that all requirements can be achieved. This Cost Estimate will serve as the basis for the construction budget.

Step 2:

Based on the review of the initial estimate, the direction to the design team will be to: (1) proceed with all Owner-directed modifications/additions to the project, (2) reduce scope as directed by the Owner and include items as Alternates to be bid, and (3) reduce scope by eliminating items as directed by the Owner. Upon direction, the design team will proceed with construction documents.

Step 3:

At a point near the end of construction documents, we will direct our Cost Estimator to prepare a final estimate based on the final documents including any Alternates. Ideally, there are no surprises and with the review of this budget, the Owner can direct the bidding of the project. In the event that changes are required, the design team will promptly make the modifications in order to maintain the schedule.

Following the Bidding Phase, we will review the contractor bids as compared to the cost estimate to evaluate the accuracy of the estimate. As the project proceeds through construction, we may utilize the cost estimator as a consultant for any change orders.



Project Construction History & Plan

2.1 c.



Chestnut Ridge Church | Morgantown

2.1 c. 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

2.1 c. Project Construction Period Plan

Establishing a Project Schedule

With the revised Program and Budget, we will assist with updates to the Project Schedule. This will include the timeframe for the completion of modifications to the drawings and specifications as well as the projected Bidding period. Included in the process will be the resubmittal to the West Virginia State Fire Marshal's office for plans review and the State Historic Preservation Office if necessary. 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 and if necessary the State Historic Preservation 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).



CTL Engineering - Civil | Golf



2.1 d.

Corporate Qualifications

CTL Engineering of West Virginia, Inc.



Gateway Development Site: I-79 Exit 155

As part of CTL Engineering, Inc., CTL Engineering of West Virginia, Inc. was founded in 1981 giving us more than 35 years in the state. Our office location in Morgantown enables CTL to easily provide our services for projects throughout the state as a whole. With approximately 50 employees we are well suited to handle projects of all sizes. Our West Virginia staff also includes 5 professional engineers and two professional surveyors.

CTL Engineering of West Virginia, Inc. provides total civil engineering services for projects throughout West Virginia. CTL provides full investigative, design, permitting, construction specifications and project management services to their clients. These services include geotechnical engineering, civil site design, environmental engineering, construction services including construction observation, site and laboratory materials testing, Quality Control and Quality Assurance. CTL will work with the project architects, owners, and all involved parties to play our part in bringing your project to fruition.

Qualified Team

- 5 Professional Engineers with diverse backgrounds including geotechnical engineering, civil engineering, and environmental engineering
- Skilled surveying staff equipped with the most up-to-date equipment and GPS units
- Extensive experience working with Federal, State, and private entities
- 35 Years of working in West Virginia
- Working knowledge/understanding of the states geology & geography allowing us to provide custom solutions—we don't just pull plans from a book

SERVICES AVAILABLE

Civil Site Design
Surveying/Mapping
Geotechnical Engineering
Construction Observation
Materials Testing
Site Layout
Project Management & Compliance

Client

Our clients are our livelihood and therefore, we make it our personal objective to achieve 100% client satisfaction on every project regardless of size or scope.

Teamwork

Teamwork is a necessity. Not only from an interdepartmental perspective but also from an external perspective. It is imperative that we work together with architects, owners and any other stakeholders when taking on a project.

Listen

In order to provide our clients with the most appropriate solutions to meet their needs, we LISTEN. By listening to our clients needs and asking the right questions we are able to clearly identify what is needed to take on a given project in the most efficient manner possible.

For more information on any of our products or services go to www.ctleng.com





Allegheny
Design Services
Consulting Engineers

COMPANY HISTORY

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.

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 workflow 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.

Allegheny Design Services
102 Leeway Street
Morgantown, WV 26505

P 304.599.0771

F 304.212.2396

www.AlleghenyDesign.com



Allegheny Design - Structural



2.1 d.



Education:

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

Professional Registrations:

Year first registered: 1984
West Virginia, Pennsylvania, Maryland, Virginia, Florida, District of Columbia, North Carolina, 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
Phipps Conservatory Addition, Pittsburgh, PA
Waterfront Hotel and Conference Center, Morgantown, WV
WVU Basketball Practice Facility
WVU Mountaineer Field North Luxury Suites
UPMC Hillman Cancer Center
William Sharpe Hospital Addition
Chestnut Ridge Church
University of Pittsburgh Bio Medical Tower
Glade Springs Hotel & Conference Center
Fairmont State University Parking Garage



Education:

West Virginia University - B.S. Civil Engineering

Professional Registrations:

Professional Engineer – West Virginia, Pennsylvania, Maryland, Kentucky, Alabama, Nebraska and Mississippi.

Professional Memberships:

Member of AISC

Associate Member of ASCE

Continuing Education:

WVU Steel Design—Fall 2007

AISC - Façade Attachments to Steel Frames - September 20, 2007

ASCE - Reinforced Masonry: Design and Construction - November 8, 2007

TSN - Cold-Formed Steel Seminar – Load Bearing and Curtain Wall Systems - December 4, 2008

Lincoln Electric Co. - Blodgett's Welding Design Seminar - October 13-16, 2009

Steel Camp – November 4-5, 2010

The New 14th Edition Steel Manual – October 25, 2011

ASCE-Design and Renovation of Wood Structures - October 2012

SE University multiple structural technical training webinars.

The MGI Management Institute—Successful Marketing of Engineering Services 2015

Steel Camp—March 25-28 , 2015

Professional Experience:

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

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

GSD Fairmont, Fairmont, WV

Bridgeport Public Safety Substation, Bridgeport, WV

Canaan Valley Institute, Davis, WV

Charles Pointe BFS, Bridgeport, WV

Fairmont AFRC, Fairmont, WV

Gabriel Brothers Renovation, Clarksburg, WV

Genesis Youth Crisis Center, Clarksburg, WV

Goshen Baptist Church, Morgantown, WV

GSA DOE, Morgantown, WV

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



Education:

University of Pittsburgh - B.S. Civil Engineering
West Virginia University - Master of Business Administration

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

Continuing Education:

Blodgett’s Welding Design Seminar – April 2013 – Cleveland, OH
Simpson Strong-Tie Continuous Load Paths in Wood Structures – November 2011 – Charlottesville, VA
Kaplan 28 Hour SE Exam Review Course – August 2011 – Richmond, VA
Emerging Leaders Alliance Workshop – November 2010 – Denver, CO
OSHA 10 Hour Safety Course for Construction Personnel – April 2006 – Alexandria, VA
SE University multiple structural technical training webinars.

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:

Project experience (past and present) includes:

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



Allegheny
Design Services
Consulting Engineers

ALLEGHENY DESIGN SERVICES EXPERIENCE
TEAMING WITH
PARADIGM ARCHITECTURE, INC.
STRUCTURAL ENGINEERING SERVICES

1. **Davis & Elkins College Benedum Hall Renovation, Elkins, WV**
2. **Fairmont State University Parking Garage, Fairmont, WV**
3. **Fairmont State University Parking Garage Pedestrian Bridge, Fairmont, WV**
4. **The View at the Park, Morgantown, WV**
5. **Waterfront Place Hotel & Conference Center, Morgantown, WV**
6. **Trinity Christian School, Morgantown, WV**
7. **Glade Springs Hotel & Conference Center, Daniels, WV**
8. **Chestnut Ridge Church, Morgantown, WV**
9. **Davis & Elkins College Athletic Center, Elkins, WV**
10. **Glades Springs Resort Clubhouse Expansion, Daniels, WV**
11. **Boathouse Bistro, Morgantown, WV**
12. **WVU Milan Puskar Stadium Touchdown Terrace Club Addition, Morgantown, WV**
13. **Fairmont State University Hunt Haught Hall Renovations, Fairmont, WV**
14. **The Dayton, Morgantown, WV**
15. **WVU Coliseum Team Shop Conversion, Morgantown, WV**
16. **Glenmark Office Building, Morgantown, WV**
17. **GSA - Department of Energy, Morgantown, WV**
18. **GSA/USDA Building, Sabraton, WV**
19. **Marina Tower, Morgantown, WV**
20. **Morgantown Event Center, Morgantown, WV**
21. **WVU Honors Dormitory, Morgantown, WV**
22. **WVU Mountaineer Station, Morgantown, WV**
23. **Fairmont State University Hardway Hall Entrance Renovation , Fairmont, WV**
24. **KeyLogic Renovation, Morgantown, WV**
25. **Morgantown Event Center Parking Garage, Morgantown, WV**
26. **Middletown Tractor, Fairmont, WV**
27. **Pillar Innovations Office Building, Morgantown, WV**
28. **WVU Greenhouse, Morgantown, WV**
29. **WVU Visitor's Resource Center, Morgantown, WV**
30. **WVUP -New Science Wing-West Virginia University Parkersburg, Parkersburg, WV**
31. **Canaan Valley Resort State Park, Davis, WV**
32. **College Park Dormitories, Morgantown, WV**
33. **Cacapon Resort State Park Addition and Renovations, Cacapon, WV**
34. **University Park Apartments, Morgantown, WV**
35. **University Park Mixed Use Building, Morgantown, WV**
36. **University Park Dormitory, Morgantown, WV**
37. **Beitzel Office Building, Grantsville, MD**
38. **University Place Parking Garage, Morgantown, WV**
39. **Mountaineer Center, Morgantown, WV**
40. **Weston USPS Retaining Wall, Weston, WV**
41. **WVU Coliseum Visitor Center, Morgantown, WV**
42. **USPS Spencer Rooftop Unit Addition, Spencer, WV**
43. **CVS Health Warehouse, Morgantown, WV**
44. **USPS Weston Loading Dock, Weston, WV**
45. **Puskar Stadium North End Scoreboard, Morgantown, WV**
46. **Par Mar, New Brighton, PA**



Allegheny
Design Services
Consulting Engineers

PROJECT PROFILE

Nemacolin Woodlands Sundial Lodge Farmington, PA



STRUCTURAL ENGINEER:
CONTRACTOR:

Allegheny Design Services, LLC, Morgantown, WV
Martik Brothers, Inc., Finleyville, PA

PROJECT SCOPE:

- 25,000 Sq. Ft. Multi-Purpose Ski Lodge
- Restaurant
- Bowling Alley

PROJECT VALUE: \$3 Million

PROJECT COMPLETION: 2013





Miller Engineering - MEP | Pool



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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

- Bobtown Elementary HVAC
- Blackwater Falls State Park Lodge (Dining Room, 2nd Fl, Spa, Boiler)
- Hawks Nest/Twin Falls HVAC
- Mapletown High School HVAC Replacement Phase I & II
- McKeever Lodge HVAC Piping
- Holly River State Park Primary Electric Service Replacements Phase I & II
- Beech Fork State Park – MEP New Construction Design
- Cheat Lake Elementary & Middle School Renovations
- Cacapon Old Inn

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



Joseph Machnik

Joe has extensive 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*
- *Building Information Modeling*

Professional Project Highlights

- Bobtown Elementary HVAC
- Suncrest **Middle Gym HVAC**
- MHS Area 4 HVAC
- North Elementary Boilers
- Freedom Dealerships (Ford, Kia, Volkswagen)
- Pipestem Lodge HVAC Piping Replacement
- Blackwater Falls Lodge (2nd Fl, Spa, Boiler)
- Cacapon Old Inn

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*



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

Professional Project Highlights

- 3RD Party Construction Observation – Canaan Valley Resort
- Hawks Nest/Twin Falls HVAC
- Cacapon Old Inn
- Suncrest Middle School Gym HVAC Upgrade
- Freedom Dealerships (Ford, Kia, Volkswagen)
- Mapletown Jr./Sr. High School HVAC/Boiler Upgrade
- Blackwater Falls Lodge (Dining, 2nd Fl, Spa, Boiler)

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



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*
- *Building Information Modeling - Revit*
- *Constructible Materials Evaluation*
- *Site Evaluation and Mechanical System Review*
- *Submittal and RFP Review*
- *RFI Coordination, Review, and Response*
- *Construction Observation*

Professional Project Highlights

- Suncrest Middle Gym HVAC
- Holly River State Park Primary Electric Service Replacements Phase I & II
- MHS Area 4 HVAC
- McKeever Lodge Fire Alarm
- Pipestem Lodge McKeever Lodge HVAC Piping Replacement
- Blackwater Falls Lodge (2nd Fl, Spa, Boiler)
- Cacapon Old Inn
- Freedom Dealerships (Ford, Kia, Volkswagen)

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

Descriptions of Past Projects Completed – Misc. Upgrades

Blackwater Falls State Park Lodge Upgrades

Davis, WV

Services Provided:

- General Trades
- Plumbing
- Electrical
- Mechanical
- Pool

Estimated Budget: \$1.1 Mil

Facility Area: 46,000 ft²

**Owner: West Virginia Division of
Natural Resources**



MEI has performed several projects at the Blackwater Falls State Park Lodge that cover many trades. Miller Engineering designed new HVAC systems for the dining room and make up unit for the Kitchen. The units were installed in a manner to not interfere with views of the park. The second floor plumbing piping was upgraded and routed out of the attic for freeze protection. The bathrooms were re-connected with new GFCI receptacles to eliminate nuisance tripping. New panel boards, hallway lighting, and hallway ceilings were installed as well. A MEI project which was just completed is the replacement and re-piping of the hot tub. The existing spa was leaking and had maintenance issues. A new hot tub was installed along with tiling. A new chemical and pump room was installed as well. Miller Engineering was recently contracted to design the replacement of the existing boiler system and convert them from steam to hot water. The project is currently in design and will include the construction of a boiler room.

Project Contact:

**Bradley S. Leslie, PE, Assistant Chief
State Parks Section
Phone: (304) 558-2764 ext. 51826**

Descriptions of Past Projects Completed – MEP

Cacapon Old Inn

Berkeley Springs, WV

Services Provided:

- HVAC
- Plumbing
- Electrical

MEP Budget: \$98k

Facility Area: 5,500 ft²

**Owner: West Virginia Division of
Natural Resources**



The Old Inn at Cacapon State Park is a popular lodging choice for large gatherings at the park. The Old Inn only had window AC and heating only through fire places. MEI designed a complete HVAC renovation which includes propane fired furnaces with DX air conditioning to serve the first floor common areas.

The guest rooms on the second floor utilize mini-split system units, allowing for individual room control. The kitchen area was completely renovated including new appliances making it more useful for large gatherings.

The HVAC renovation required architectural and structural modifications to the facility. The guest rooms were updated with new furniture and bathrooms were updated as well. Great detail was taken to keep any modifications in-line with the historical component of the Old Inn.

Project Contact:
Debbie Demyan, Project Engineer
State Parks Section
(304) 550-4892

Descriptions of Past Projects Completed – HVAC Piping

Pipestem McKeever Lodge

Pipestem, WV

Services Provided:

- HVAC
- Plumbing
- Electrical
- Accommodation of Existing Systems

Estimated Budget: \$1.7M

Facility Area: 63,000 ft²

Owner: West Virginia Division of Natural Resources



The original HVAC piping at McKeever Lodge had exceeded its lifespan and had been suffering from corrosion leading to multiple leaks, including one causing an electrical service outage. Miller Engineering was hired to investigate the existing piping, discovering all of the piping required replacement. As this lodge is regularly occupied for larger conferences, the project had to be phased to minimize the amount of guest rooms taken out of service at one time. MEI also designed provisions to interconnect the lodge's two separate boiler/chiller plants so one plant could operate the entire lodge at a partial capacity while the other plant was replaced and re-piped. This interconnect also allows the lodge to operate in the event of a boiler or chiller outage. Power was provided to new equipment, and motor control centers were added to control the building loop pumps. A new building controls system was installed to allow the plants to run at optimum efficiency while meeting the lodges heating and cooling needs.

Project Contact:

Carolyn Mansberger, Project Manager
State Parks Section
(304) 558-2764

Descriptions of Past Projects Completed – Fire Alarm

Pipestem McKeever Lodge

Pipestem, WV

Services Provided:

- Electrical
- Fire Alarm

Construction Amount: \$225k

Facility Area: 63,000 ft²

**Owner: West Virginia Division of
Natural Resources**

Status: Complete



The fire alarm at McKeever Lodge at Pipestem State Park was obsolete and having operational issues, particularly in the original lodge portion. Miller Engineering designed a complete fire alarm replacement of the lodge side, while interfacing with the conference center portion of the lodge, which had a more up to date fire alarm system. Previously, the lodge and conference systems operated separately, and MEI designed the systems to interface and monitor the lodge as one facility. The system was designed to interface with the conference side elevators, mechanical equipment, and kitchen hoods. Provisions for expansion were made for future upgrades to the lodge elevators. The lodge remained in operation during the entire replacement, with both the contractor and MEI coordinating with the DNR to minimize the amount of rooms taken out of service.

Project Contact:
Carolyn Mansberger, Project Manager
State Parks Section
(304) 558-2764

Descriptions of Past Projects Completed – Pool Repair

Tomlinson Run State Park

New Manchester, WV

Services Provided:

- Mechanical
- Plumbing
- Pool Systems

Estimated Budget: \$850k

Facility Area: 15,000 ft²

Owner: West Virginia Division
of Natural Resources



The existing pool was constructed in approximately 1980 by a local pool contractor. The owner indicated they were experiencing significant leaking and could not determine the precise cause. Additionally, the pool was experiencing significant cracking at the tops of the pool walls. The water slide was reportedly difficult to keep in operation due to various maintenance issues. The pool also had a rather unique CMU (concrete block) and tension rod wall configuration which was evaluated for the potential to perform an extensive repair. As part of the repair, the owner wished to significantly alter the depth profile of the pool and make the pool ADA accessible. The repair also included the installation of a new filtration system, gutter system, PVC liner and addressed several longer term maintenance concerns.

Project Contact:
Brad Leslie, PE
WVDNR Parks and Recreation
(304) 558-2764 ext. 51826

Descriptions of Past Projects Completed – Pool Replacement

Greenbrier State Park

Eastern, WV

Services Provided:

- Aquatic Design
- Plumbing
- Electrical

Estimated Budget: \$760K

Facility Area: 5,500 ft²

Owner: West Virginia Division of Natural Resources



A field study and assessment determined that several plumbing and mechanical systems were inadequate and needed more efficient, code-compliant replacement. The goal of the project was to efficiently use existing piping tunnels that were in good condition and place a new basin within the existing one in order to meet budget demands. The innovative isolation method saved on excavation cost and construction time. New filtration and heating systems were designed for the wading pool and an attractive aquatic design element was also added to increase water movement. The filtration and heating systems were sized and configured not just for the existing pool but also to accommodate a larger pool renovation that was planned during our design process and implemented the following year.

High-rate fiberglass sand filters provide circulation and filtration of the pool water.

Project Contact:

*Bradley S. Leslie, PE, Assistant Chief
State Parks Section
(304) 558-2764 ext. 51826*

Descriptions of Past Projects Completed – Pool Repairs

City of Grafton

Grafton, WV

Services Provided:

- Mechanical
- Plumbing
- Pool Systems

Estimated Budget: \$70k

Facility Area: 4,500 ft²

Owner: City of Grafton



The project included a complete re-design of the filter room equipment serving the existing main pool. The wading or “baby” pool was in poor condition, disliked by the public and suffering from chemistry problems due to poor circulation. Miller Engineering worked with the owner to upgrade the filtration system and install a chemical feed system on the main swimming pool. Miller Engineering, Inc. (MEI) designed a new wading pool which is zero grade entry, incorporates a water-spray feature and increases the play area of the pool. The redesigned wading pool now includes a castle with an interactive waterfall, as well as a new filtration system and chemical feed system which are located in a pump-house addition. MEI provided plans and construction guidance to permit the city to construct the new pool and associated pump-house using city workers, allowing substantial savings to the city.

Project Contact:

*Busty Webber, Director of Public Works
Grafton, West Virginia
(304) 265-1234*

Descriptions of Past Projects Completed – Pool Replacement

Bluestone State Park

Hinton, WV

Services Provided:

- Aquatic Design
- Plumbing
- Electrical

Estimated Budget: \$1M

Facility Area: 56,000 ft²

Owner: West Virginia

**Division of Natural
Resources**



The pool at Bluestone resides within the flood plain of Bluestone Lake and special consideration was required to actually allow the pool basin, if empty at the time, to flood to prevent it from “floating” should the lake level reach the pool.

To our knowledge, the approach selected has never been utilized in the area before and was of our own design. The pool had experienced total basin failure and could not be filled completely during its last few weeks of operation in 2011.

The project replaced the entire basin, wading pool and all equipment but the main pool filters.

The beach area, which had been described as “prison like” due to concrete retaining walls, was reconfigured to increase sunbathing area. The wading pool incorporated a mountain fountain

that was outside the pool with arched spray bars. An addition to the existing bathhouse gave

place for the wading pool equipment to reside.

Project Contact:

Bradley S. Leslie, PE, Assistant Chief

State Parks Section

(304) 558-2764 ext. 51826

Descriptions of Past Projects Completed – Pool Replacement

West Virginia University Jackson's Mill

Services Provided:

- Mechanical
- Electrical
- Plumbing
- Pool Systems

Estimated Budget: \$720k

Facility Area: 12,800 ft²

Owner: West Virginia University



The previous Jackson's Mill pool had exceeded its operational life and was losing 10-12" of treated water per day. Miller Engineering and ALPHA Associates designed a replacement which met the operational requirements of the state 4-H camp and its unique pool use. The pool has a unique ratio of wading to diving square footage as the owner wanted the pool to have a large 4' deep area for camper activities. This presented challenges for the MEP systems to ensure that the entire body of water would be re-circulated without the use of in-floor piping and inlets, which can be subject to freeze-bursting of piping. The combination supply tube/gutter perimeter system installed resolved the issue and has resulted in an exceptional facility.

Project Contact:
Bob Merow, PDC
WVU Facilities Management
(304) 293-2875



Design Innovations - Interiors



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Design Innovations Inc.

Design Innovations Inc. is a woman owned, full service interior design firm that provides innovative design solutions for commercial interiors. For over 30 years, DI has served clients in the southeast and throughout the US. Our team is composed of passionate, dedicated professionals with a vast knowledge of design and project management. We work closely with each client to transform their visions into dynamic, efficient environments that meet their specific goals and objectives.

MISSION

Our fundamental belief is that design should be about people. We create functional, attractive spaces that improve the end-user's experience and inspire people to make a positive change in their environment.



Design Innovations is enthusiastic and dedicated to the project from start to finish. Quick and professional decision making and problem solving results in a smooth running project and a timely completion.



Design Services

- Interior Design & Space Planning
- Programming
- Contract Drawings & Specifications
- Computer Aided Design (AutoCAD)
- Computer Animation and 3D Visualization (Google Sketch-up)
- Furniture and Furnishings Selections, Specifications, and Coordination
- Selection, Coordination, and Installation of Artwork and Accessories
- Administration & Supervision

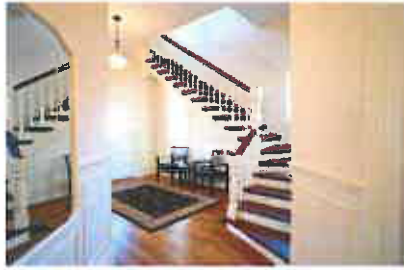
Project Types

- Healthcare
- Universities/Educational
- Retirement/Assisted Living
- Hospitality
- Corporate
- Institutional
- Religious Institutions

HIGHLIGHTED EXPERIENCE



UAB BLAZERS MEN'S BASKETBALL LOCKER ROOMS
The University of Alabama at Birmingham - Birmingham, AL



PETERSON HOUSE
University of Montevallo - Montevallo, AL



MADISON HOSPITAL
Huntsville Hospital - Madison, AL



FREESTANDING EMERGENCY DEPARTMENT
UAB Medical West - Hoover, AL

WORK EXPERIENCE

The University of Alabama at Birmingham

- UAB Blazers Men's Basketball Locker Room, Birmingham, AL - \$550,000 / 2,246 SF
Renovations to the existing locker room facility include many state-of-the-art technology upgrades to attract recruits, include larger lockers, touch screen TVs, updated restroom and shower areas, a new lounge area with theater seating, gaming area, and refreshment bar, as well as Coaches' locker room upgrades.

University of Montevallo

- Peterson House Renovation, Montevallo, AL - 3,500 SF
The Peterson House is part of the University of Montevallo Historic District, listed on the National Register of Historic Places. The renovation includes updating the two-story residence into administrative office spaces, including reroofing, façade repairs, and restoration of character details.

UAB Medical West

- Freestanding Emergency Department, Hoover, AL - \$13.5 Million / 24,342 SF
Alabama's first freestanding emergency department consists of 10 exam rooms, 2 trauma rooms, CT, x-ray, general and vascular ultrasound, EKG, laboratory, and room for expansion.

Huntsville Hospital

- Madison Hospital, Madison, AL - \$54.5 Million / 228,000 SF
The first new non-replacement hospital to be built in Alabama since the 1970's. The hospital's design was developed with input from local officials so that leading edge technology could be combined with the traditional Southern elements in such a way that would feel comfortable to the patients and community.

State of West Virginia

- Capapon State Park Lodge Expansion, Berkeley Springs, WV - 60,650 SF
This resort mountain lodge was designed through 75% completion by Design Innovations from 2009 to 2012. The majority of the design process was completed when the project was placed on hold in early 2013.



Shannon is a Senior Project Designer at Design Innovations, Inc. with a vast knowledge in interior design and project management. She has over 13 years of experience working on large, complex projects in Medical, Higher Education, and Institutional markets. Past work includes a variety of projects including new construction, renovations, expansions, and additions.

EDUCATION

- Bachelor of Fine Arts in Interior Design, Southern Institute of Interior Design, Virginia College

REGISTRATIONS & CERTIFICATIONS

- Registered Interior Designer - Alabama
- Alabama License: 575
- NCIDQ Certified: No [REDACTED]

PROFESSIONAL AFFILIATIONS

- International Interior Design Association

SHANNON'S INFORMATION

198 Narrows Drive
Suite 106
Birmingham, AL 35242
Phone: 205-991-5455
Fax: 205-991-5423
E-mail: sbayles@desinn.net

HIGHLIGHTED EXPERIENCE



THE CHILDREN'S HOSPITAL AT MIDTOWN MEDICAL CENTER
Columbus Regional Health - Columbus, GA



UAB MEDICINE MULTISPECIALTY CLINIC
Baptist Medical Center South - Montgomery, AL



MONTGOMERY CANCER CENTER
Montgomery, AL



UAB SCHOOL OF MEDICINE
Baptist Medical Center South - Montgomery, AL

WORK EXPERIENCE

Columbus Regional Health

- **The Children's Hospital at Midtown Medical Center, Columbus, GA - 20,553 SF**
This project involved substantial renovation of the 5th floor for the purpose of upgrading the facilities for Women's and Children's Services. The renovations were staged appropriately to insure minimal patient disruption, maintain infection control procedures, and preserve interim life safety measures.
- **Columbus Hospice at Doctors Specialty Hospital, Columbus, GA**

Baptist Medical Center South

- **UAB Medicine Multispecialty Clinic, Montgomery, AL - 20,991 SF**
Baptist Health has partnered with the UAB Health System to open the UAB Medicine Multispecialty Clinic at Baptist Medical Center South. The clinic offers four much-needed specialties, including urology, gastroenterology, endocrinology and rheumatology.
- **UAB School of Medicine, Montgomery, AL - 5,500 SF**
This renovation merged progressive design with academic tradition to complement and enhance the total educational environment.
- **Baptist South Cafeteria Renovation, Montgomery, AL - 5,605 SF**

Montgomery Cancer Center

- **Montgomery Cancer Center Lobby Renovation, Montgomery, AL - 2,803 SF**
Montgomery Cancer Center's Lobby was a special place for healing. The Lobby was renovated to reflect the advanced, modern cancer care provided in a physician office setting. For added convenience and comfort, The Healing Cup offers premium coffee, baked goods, grab-and-go sandwiches and salads in a casual café atmosphere.

Additional Projects

- **Southern Orthopaedic Surgeons - Baptist Health System, Montgomery, AL**
- **Baptist East Post Partum Bed Wing - Baptist Health System, Montgomery, AL**



Ainsley is a Senior Project Designer at Design Innovations, Inc. whose past experience includes extensive work in healthcare environments. Ainsley brings a hands-on work ethic to each project by becoming involved with all aspects of the building's design, starting with planning and continuing through to construction.

EDUCATION

- Bachelor of Interior Design, Louisiana State University

REGISTRATIONS & CERTIFICATIONS

- Registered Interior Designer - Alabama
- Alabama License: [REDACTED]
- NCIDQ Certified: No. [REDACTED]
- 2008 LEED AP

PROFESSIONAL AFFILIATIONS

- International Interior Design Association, Board Member - VP of Communications

AINSLEY'S INFORMATION

198 Narrows Drive
Suite 106
Birmingham, AL 35242
Phone: 205-991-5455
Fax: 205-991-5423
E-mail: adreher@desinn.net



McFarland Kistler - Kitchen Design



2.1 d.

HISTORY

The firm of McFarland Kistler & Associates, Inc., Food Service and Laundry Consultants was established in 1955 as James McFarland, with an office in Ingram, Pennsylvania.

In 1964, the firm became known as James McFarland & Associates and incorporated in 1981. The firm relocated to Pines Plaza, 1130 Perry Highway, Suite 115, Pittsburgh, Pennsylvania, in 1992. On September 1, 2000, the firm became known as McFarland Kistler & Associates, Inc.

James Kerr McFarland graduated from the University of Pittsburgh, Class of 1953, and founded the firm. Mr. McFarland retired in 1985.

James Keith McFarland, graduate of Muskingum College, Class of 1971, became President in 1985, CEO in 2000, retired in February 2014.

Kenneth M. Kistler graduated from La Roche College, Class of 1987, and became Vice President in 1993, President in 2000, and CEO/President in 2014.

McFarland Kistler & Associates, Inc. specializes in institutional and commercial food service and laundry programming, planning and designing. Our services include preliminary meetings with interested parties, schematic designs, and space analysis, final working drawings and specifications, and supervision during the construction phase.

Office Address: Pines Plaza
1130 Perry Highway, Suite 115, Pittsburgh, PA 15237

Officers: President / CEO - Kenneth M. Kistler, FCSI
Secretary/Treasurer – Amy C. Kistler

Staff: 1 Principal, 1 Associate/Senior Designer
3 Designers/CAD Technicians, 2 Administrative Assistants

Telephone: (412) 367-1905 or 367-7605

Fax: (412) 367-4487

E-mail: Ken Kistler: kkistler-mka@comcast.net



McFarland Kistler & Associates, Inc. (MKA) is a fully disciplined food service facilities analysis, design and operations firm, independent of affiliation with any manufacturer, supplier or purveyor. Our experience and skills are well suited for any food service project. We are in our 62nd year of business and are currently ranked in the top 10% of all Food Service Consultants, based upon the volume of specified equipment among all Food Service Consultants in the country.

Firm Description

- ❖ We have ample staff and complete office facilities to perform services to suit defined project schedules. We have proven capabilities in completing complex projects on restricted time schedules when required.
- ❖ Our corporate headquarters are located in Pittsburgh, Pennsylvania.
- ❖ We are available for meetings on short notice, as travel is an everyday part of our routine. We have consulted on a wide array of projects from coast to coast.
- ❖ Our reputation has been built on personalized service regardless of the magnitude of the project.
- ❖ The completeness and accuracy of our contract documents have virtually eliminated food service related change orders (averaging less than one-tenth of one percent of the food service contract amount).
- ❖ Our expertise and experience afford us the opportunity to develop the most efficient, cost-effective design possible in attaining the Owner's goals and objectives.

A sampling of the projects on which we have participated include churches, colleges, universities, hospitals, nursing homes, hotels, convention centers, arenas, institutions, prisons, clubs, office buildings, schools, vocational/technical facilities, restaurants and employees' cafeterias.

DESCRIPTION OF SERVICES

General

McFarland Kistler & Associates, Inc. will provide all services as they relate to food service, as described below. We will cooperate fully and share technical information in a timely manner with the entire Project Team. We understand the value of complete coordination with the mechanical, electrical and plumbing engineers to assure proper utility connections. All information provided to the Project Team will comply with applicable and current code requirements as it pertains to food service; i.e., building, fire, health, utility and handicap.

All contract drawings will be prepared on AutoCAD Release 2015, with contract specifications prepared on Microsoft WORD.

We will provide the following services:

Schematic Design Phase

The Consultant shall consult with the Architect and Owner to ascertain the requirements of the project and shall confirm such requirements to the Architect.

The Consultant shall make recommendations regarding basic systems, attend necessary conferences, prepare necessary analyses and be available for general consultation. When necessary, the Consultant will consult with public agencies and other organizations concerning requirements.

The Consultant shall prepare for the approval by the Architect and Owner, sketches and drawings to fix and describe the project.

Design Development Phase

The Consultant shall prepare from the approved schematic design studies, the design development drawings for approval by the Architect and Owner.

The Consultant shall submit to the Architect and Owner a preliminary estimate of equipment costs.

Construction Documents Phase

The Consultant shall prepare from the approved design development documents, for approval by the Architect and Owner, working drawings and specifications setting forth in detail the requirements for construction and shall deliver the original drawings and specifications to the Architect.

The Consultant shall advise the Architect and Owner of any adjustments to previous Statements of Probable Equipment Cost indicated by changes in requirements or general market conditions.

The Consultant shall assist the Architect and Owner in filing the required documents for approval of governmental authorities having jurisdiction over the project.

Bidding or Negotiation Phase

If requested by the Architect and Owner, the Consultant shall assist in obtaining bids or negotiated proposals.

Construction Phase - Administration of the Construction Contract

The Construction Phase will commence with the award of the Construction Contract and will terminate when final payment is made by the Owner to the Contractor.

The Consultant shall assist the Architect and Owner in the administration of the Construction Contract.

The Consultant shall at all times have access to the work of the project wherever it is in preparation or progress.

The Consultant shall assist the Architect and Owner in making decisions on all claims of the Owner or Contractor relating to the execution and progress of the work of the project and on all other matters or questions related thereto. The Consultant shall not be liable for the results of any interpretation or decision rendered in good faith.

The Consultant shall assist the Architect and Owner in determining whether the Architect shall reject work that does not conform to the Contract Documents. The Consultant shall not be liable to the Owner or Architect for the consequences of any recommendation made by him to the Architect in good faith with reference to rejecting the work.

The Consultant shall check and approve shop drawings, samples, and other submissions of the Contractor only for conformance with the design concept and for compliance with the information given in the Contract Documents. All comments and approvals shall be submitted to the Architect.

The Consultant shall assist the Architect and Owner in preparing change orders.

The Consultant shall assist the Architect and Owner in conducting an inspection to determine the Date of Final Completion and in receiving written guarantees and related documents assembled by the Contractor.

The Consultant shall not be responsible for the acts or omissions of the Contractor, or any Subcontractors, or any of the Contractor or Subcontractor's agent or employees, or any other persons performing any of the work.

**KENNETH M. KISTLER, FCSI
PRESIDENT / CEO**



HOSPITALITY PROJECTS

Project Responsibilities

Mr. Kistler will confer with the food service director, staff, and all administrative personnel in designing a food service operation to meet the specific needs of your facility. He will handle all review meetings, attend all necessary meetings, generate equipment specifications, provide all final coordination/checking of contract documents, and will serve as the main point-of-contact throughout the design and construction of the facility. This "hands on" approach will enable us to meet/exceed your expectations, while paying particular attention to budget and timeline.

Education:

Pennsylvania State University, 1980-1983
LaRoche College, Pittsburgh, PA
B.S. 1987

Professional Affiliation:

Professional Member - Foodservice Consultants Society International

Experience

Ken Kistler, FCSI, has been associated with the food service industry for over thirty-seven years, specializing in institutional food service and laundry programming and designing. His experience and expertise is invaluable to the client, as all design options/concepts are clearly identified and fully discussed to determine the appropriate layout and operation which best suits the particular facility. All aspects of the design, as well as every piece of equipment, are discussed with the client to convey a complete understanding of the food service area in advance of the actual installation to enable the necessary pre-planning to be undertaken. Estimated food service equipment costs are generated at each design phase and verified for compliance with the budget allowance. Mr. Kistler spearheads the entire process, carefully coordinating with all project team members and undertakes rigorous final checking of all contract documents in advance of the bidding phase. This process has enabled us to virtually eliminate food service related change orders, currently averaging less than 1/10th of 1 percent of the food service equipment contract. This process has been instrumental in maintaining our excellent reputation, garnering repeat business from satisfied clients, and continuing to expand our client base.

1130 PERRY HIGHWAY, SUITE 115 O PITTSBURGH, PA 15237

McFARLAND KISTLER & ASSOCIATES, INC.
FOOD FACILITIES CONSULTANTS

REPRESENTATIVE LIST OF HOTEL PROJECTS
RESTAURANTS / BARS

ALBANY MARRIOTT

Albany, New York

AUBURN HILLS MARRIOTT PONTIAC

Pontiac, Michigan

AVENTURA ALOFT HOTEL

Aventura, Florida

BALTIMORE MARRIOTT – HUNT VALLEY INN

Hunt Valley, Maryland

BANGOR INTERNATIONAL AIRPORT HOTEL

Bangor, Maine

BATON ROUGE HILTON

Baton Rouge, Louisiana

BAY POINT MARRIOTT

Panama City Beach, Florida

BEST WESTERN – GREGORY HOTEL

Brooklyn, New York

BOCA RATON MARRIOTT

Boca Raton, Florida

BOURBON ORLEANS - A WYNDHAM GRAND HERITAGE HOTEL

New Orleans, Louisiana

CAMBRIA HOTEL & SUITES PHOENIX/DESERT RIDGE

Desert Road, Phoenix, Arizona

CAMBRIA HOTEL & SUITES SHENANDOAH

Shenandoah, Texas

CAMBRIA HOTEL & SUITES SOUTHLAKE

Southlake, Texas

CAPTIVA VILLAS

Fort Myers Beach, Florida

CHARLES HOTEL AT HARVARD SQUARE

Cambridge, Massachusetts

CHARLOTTE MARRIOTT INN

Charlotte, North Carolina

CHICAGO CITY CENTRE

Chicago, Illinois

COLORADO SPRINGS MARRIOTT

Colorado Springs, Colorado

COURTYARD BY MARRIOTT

EDMONTON INTERNATIONAL AIRPORT

Edmonton, Alberta, Canada

COURTYARD BY MARRIOTT

Aventura Mall, Florida

COURTYARD BY MARRIOTT

Long Island, New York

COURTYARD BY MARRIOTT

Orlando (Downtown), Florida

COURTYARD BY MARRIOTT

THE NATIONAL BUSINESS PARK

Annapolis Junction, Maryland

COURTYARD BY MARRIOTT

Stamford, Connecticut

CROWNE PLAZA – OLD TOWN ALEXANDRIA

Alexandria, Virginia

CROWNE PLAZA – WEST PALM BEACH

West Palm Beach, Florida

CYPRESS CREEK MARRIOTT

Fort Lauderdale, Florida

DELTA MEADOWVALE TORONTO

Toronto, Ontario

DOUBLE TREE HOTEL - CRYSTAL CITY AT NATIONAL AIRPORT

Arlington, Virginia

DOUBLETREE BY HILTON HOTEL

Columbia, Maryland

DOUBLETREE BY HILTON HOTEL PITTSBURGH-CRANBERRY

Cranberry Township, Pennsylvania

EMBASSY SUITES ALEXANDRIA

Alexandria, Virginia

THE EQUINOX

Manchester Village, Vermont

FAIRMONT PITTSBURGH HOTEL

Pittsburgh, Pennsylvania

(THE) HAMILTONIAN – WASHINGTON

CROWNE PLAZA HOTEL

Washington, D.C.

HAMPTON INN BOSTON-LOGAN AIRPORT

Revere, Massachusetts

HAMPTON INN & SUITES –

CALIFORNIA TECHNOLOGY PARK HOTEL

California, Pennsylvania

HARRISBURG MARRIOTT

Harrisburg, Pennsylvania

HILTON CONCORD HOTEL

Concord, California

HILTON DURHAM HOTEL

Durham, North Carolina

HILTON GARDEN INN – ELLIS PRESERVE

AT NEWTOWN SQUARE

Newtown Square, Pennsylvania

HILTON GARDEN INN NEW ORLEANS

CONVENTION CENTER

New Orleans, Louisiana

HILTON HOTEL – MISSION VALLEY

San Diego, California

HOLIDAY INN – BWI

BALTIMORE / WASHINGTON INTERNATIONAL AIRPORT

Linthicum, Maryland

HOLIDAY INN – OLD TOWN ALEXANDRIA

Alexandria, Virginia

HYATT CHICAGO – “THE LOOP”

Chicago, Illinois

HYATT FAIR LAKES

Fairfax, Virginia

HYATT PLACE CHATTANOOGA

Chattanooga, Tennessee

HYATT PLACE NIAGARA FALLS

Niagara Falls, New York

HYATT REGENCY BLOOMINGTON HOTEL

Bloomington, Minnesota

HYATT REGENCY CINCINNATI

Cincinnati, Ohio

HYATT REGENCY JACKSONVILLE

Jacksonville, Florida

HYATT REGENCY HOTEL - SAVANNAH

Savannah, Georgia

HYATT REGENCY PITTSBURGH

INTERNATIONAL AIRPORT HOTEL

Pittsburgh, Pennsylvania

HYATT SUMMERFIELD SUITES BROOMFIELD

Broomfield, Colorado

J. W. MARRIOTT – NEW ORLEANS

SHULA’S CONVERSION

New Orleans, Louisiana

LEXINGTON (THE) HOTEL

New York, New York

LOEWS REGENCY HOTEL – PARK AVENUE

New York, New York

LOUISVILLE MARRIOTT DOWNTOWN

Louisville, Kentucky

LOWELL HILTON

Lowell, Massachusetts

MARRIOTT AT THE BROOKLYN BRIDGE, NEW YORK

Downtown NYC, New York

MARRIOTT COURTYARD

Jacksonville, Florida

MARRIOTT COURTYARD -

DOWNTOWN ORLANDO

Orlando, Florida

MARRIOTT COURTYARD MIAMI -

AVENTURA MALL

Aventura, Florida

MARRIOTT COURTYARD - UNION STATION PLAZA

Providence, Rhode Island

MARRIOTT FAIRVIEW PARK

Falls Church, Virginia

MARRIOTT HOTEL CHESTERBROOK

Valley Forge, Pennsylvania

MARRIOTT HOTEL NEWTON

Newton, Massachusetts

MARRIOTT HOTEL AT WATERFRONT PLACE

Morgantown, West Virginia

MARRIOTT HOTEL & RESORT – SOUTHFIELD

Southfield, Michigan

MEMPHIS MARRIOTT

Memphis, Tennessee

MERRITT PARKWAY MARRIOTT

Trumbull, Connecticut

MIAMI SHERATON - BAYSIDE AT

BRICKELL POINT

Miami, Florida

MILWAUKEE MARRIOTT

Milwaukee, Wisconsin

MINNEAPOLIS MARRIOTT MINNETONKA

Minneapolis, Minnesota

**MORGANTOWN RADISSON -
TWO WATERFRONT PLACE**
Morgantown, West Virginia

MOUNT LAUREL MARRIOTT
Mount Laurel, New Jersey

**NORTH HILLS SUITES –
EXTENDED STAY HOTEL**
Minot, North Dakota

OCEAN REEF CLUB
Key Largo, Florida

PARK TERRACE HOTEL
Washington, D.C.

**PENN SQUARE CENTER MARRIOTT HOTEL AND
LANCASTER COUNTY CONVENTION CENTER**
Lancaster, Pennsylvania

PHILADELPHIA DOWNTOWN COURTYARD BY MARRIOTT
Philadelphia, Pennsylvania

PHILADELPHIA MARRIOTT CONSHOHOCKEN
West Conshohocken, Pennsylvania

PITTSBURGH AIRPORT MARRIOTT
Pittsburgh, Pennsylvania

PITTSBURGH AIRPORT WYNDHAM
Pittsburgh, Pennsylvania

PROVIDENCE MARRIOTT
Providence, Rhode Island

RESIDENCE INN
Costa Mesa-Newport Beach, California

RESIDENCE INN
Winston Salem, North Carolina

RICHMOND CONFERENCE CENTER
Richmond, Virginia

SAN DIEGO MARRIOTT AT MISSION VALLEY
San Diego, California

SAWGRASS MARRIOTT GOLF RESORT AND SPA
Ponte Vedra Beach, Florida

SHERATON AUSTIN HOTEL
Austin, Texas

SHERATON COLUMBIA HOTEL
Columbia, Maryland

SHERATON MAHWAH HOTEL
Mahwah, New Jersey

SHERATON PREMIER AT TYSONS CORNER
Vienna, Virginia

SYMPHONY TOWERS
San Diego, California

SOCIETY CENTER MARRIOTT HOTEL
Cleveland, Ohio

ST. LOUIS MARRIOTT WEST
St. Louis, Missouri

THE MARSHALL HOUSE
Savannah, Georgia

THE PRESIDENT HOTEL
Kansas City, Missouri

TROY MARRIOTT
Troy, Michigan

W – ALOFT HOTEL – COOL SPRINGS
Franklin, Tennessee

W – ALOFT HOTEL
National Harbor, Maryland

W – ALOFT HOTEL
Rancho Cucamonga, California

W – ALOFT HOTEL – SAN FRANCISCO AIRPORT
Millbrae, California

**W – ALOFT HOTEL AT
TUCSON UNIVERSITY PLAZA**
Tucson, Arizona

WESTIN (THE) ATLANTA AIRPORT
Atlanta, Georgia

WESTIN CAPE CORAL RESORT & CONFERENCE CENTER
Cape Coral, Florida

WESTIN RESORT MIAMI BEACH
Miami, Florida

WHITE SANDS VILLAS
Fort Myers Beach, Florida

WORCESTER MARRIOTT
Worcester, Massachusetts

WYNDHAM CASA MARINA
Key West, Florida

WYNDHAM GARDEN BILLERICA
Billerica, Massachusetts

WYNDHAM GARDEN BIRMINGHAM
Birmingham, Alabama

WYNDHAM GARDEN HOTEL
Buckhead, Georgia

WYNDHAM GARDEN HOTEL
Chelsea, Massachusetts

WYNDHAM GARDEN HOTEL
Denver Tech Center - Englewood, Colorado

WYNDHAM GARDEN HOTEL

Mt. Laurel, New Jersey

WYNDHAM GARDEN KANSAS CITY

Kansas City, Missouri

WYNDHAM GARDEN LAGUARDIA

New York, New York

WYNDHAM GARDEN LEXINGTON

Lexington, Kentucky

WYNDHAM GARDEN LINCOLNSHIRE

Lincolnshire, Illinois

WYNDHAM GARDEN HOTEL - MARKET CENTER

Dallas, Texas

WYNDHAM GARDEN MT. OLIVE

Mt. Olive, New Jersey

WYNDHAM GARDEN NEWARK

Newark, New Jersey

WYNDHAM GARDEN RICHMOND

Richmond, Virginia

WYNDHAM GARDEN SCHAUMBURG

Schaumburg, Illinois

WYNDHAM GARDEN WILMINGTON

Wilmington, Delaware

WYNDHAM ORLANDO RESORT INTERNATIONAL DRIVE

Orlando, Florida



Pat Stinson - Cost Estimating



2.1 d.

Goals for Construction Management Services

Work with the owner and architect during the development of the plans and specifications to provide a cost effective project through clear and concise design documents.

Provide a realistic project budget and schedule.

Receive competitive bids.

Reduce coordination issues between owner operations and the construction process.

Assist in the coordination between owner-furnished equipment and bid documents.

Minimize change orders and bid addenda.

Preconstruction Services

Represent the owner in reviewing drawings and specifications throughout design development.

Attend design development review meetings with architect and owner so as to ensure an understanding of the coordination requirements associated with the architectural design elements and construction activities.

Incorporate construction requirements into the bid documents, such as:

- Phasing Requirements
- Material Staging Areas
- Parking Areas for Construction Employees
- Life Safety Issues
- Utility Consumption

Provide detailed initial cost estimates and updates based upon design stages.

Evaluate alternate construction details, systems, and materials as required, i.e., value engineering.

Develop a CPM construction schedule incorporating the required construction phases. This includes design development scheduling.

Clarify bid documents to ensure all contractors understand administrative as well as construction requirements.

Permits

Applicable Sales Taxes

Time of Bid

Unit Prices

Insurance requirements—Builder's Risk; OCP

Scheduling Requirements

Local and State Taxes

Pre-Bid Meetings

Alternate Bids

Liquidated Damages

Testing Procedures

Minimize bid addenda thus reducing bid delays, future change orders, and construction delays.

Assist in coordination of responses to prospective bidders during the bid process.

Assist with review of final bids.



Contract Administration Services

Oversee quality assurance and document interpretation by all vendors and subcontractors.

Coordinate on-site issues and RFIs with the architect and owner in an effort to reduce or eliminate change orders and maintain budget control.

Ensure strict adherence to Safety Program and other life safety requirements.

Develop and coordinate procedures for submittal review and pay requests.

Provide documented weekly safety inspections.

Coordinate testing procedures.

Develop reporting procedures for the contractor, architect and owner's representative.

Provide updated CPM schedule monthly.

Develop and coordinate meeting schedules and agendas.



Education

West Virginia University - BS Wood Science & Technology,
1970

Various work-related seminars in project scheduling
10 hour training course OSHA

Work Experience

2013-Present

Senior project manager for Swope Construction Co.

2003-2013

Founder of Alliance Construction Management, Inc.
General contracting firm and management services

1984-2003

Swope Construction
Bluefield, WV

Founding partner, served as VP

Coordination of estimating, scheduling and administrative
systems

Management and oversight of project managers

Project Manager on several major restoration projects

1976-1983

Self employed as a residential and small commercial
contractor specializing in custom period style homes, doctor/
dental clinics

1974-1975

Forestry Sciences Laboratory
Princeton, WV

Researcher in developing markets for timber products.

1970-1973

Better Management Services
Staten Island NY

Field engineer providing management consulting services for
various companies throughout the United States.

Project Experience

Canaan Valley Resort State Park Renovations & Additions*

Davis, West Virginia

Construction Management Services:

Phasing (Multiple Prime, Fast Track)

Construction Scheduling

Cost Estimating

Value Engineering

Constructability Analysis

Cacapon Resort State Park Lodge Expansion*

Berkeley Springs, West Virginia

Construction Management Services:

Phasing (Multiple Prime)

Cost Estimating

Value Engineering

Constructability Analysis

Glade Springs Resort & Conference Center*

Daniels, West Virginia

Construction Management Services:

Construction Scheduling

Cost Estimating

Value Engineering

Constructability Analysis

Coordination of Trades

General Construction

Glade Springs Resort Clubhouse Addition and Renovations*

Daniels, West Virginia

Construction Management Services:

Construction Scheduling

Cost Estimating

Value Engineering

Constructability Analysis

Coordination of Trades

General Construction

Project Experience

Education
West Virginia University - BS Wood
Science & Technology, 1970
Various work-related seminars in
project scheduling
10 hour training course OSHA

Work Experience
2013-Present - Swope Construction
• Senior PM

2003-2013 - Alliance Construction
Management - Founder
General contracting firm and
management services

1984-2003 - Swope Construction
Founding partner & VP
• Coordination of estimating,
scheduling and administrative
systems
• Management and oversight of
project managers
• Project Manager on several major
restoration projects

1976-1983
Self employed - residential/small
commercial contractor specializing
in custom period style homes,
doctor/dental clinics

1974-1975 - Forestry Sciences
Laboratory, Princeton, WV
• Researcher in developing markets
for timber products

1970-1973
Better Management Services
Staten Island NY
• Field engineer - management
consulting services

Glade Springs Resort & Conference Center*

Daniels, West Virginia

Glade Springs Resort Clubhouse Addition and Renovations*

Daniels, West Virginia

South Ridge Church*

Fairmont, West Virginia

Mining Controls Renovations*

Beckley, West Virginia

Chuck Mathena Center

Princeton, West Virginia

Construction Management Services:

Construction Scheduling

Cost Estimating

Value Engineering

Constructability Analysis

Coordination of Trades

General Construction

Canaan Valley Resort State Park Renovations & Additions*

Davis, West Virginia

Construction Management Services:

Phasing (Multiple Prime, Fast Track)

Construction Scheduling

Cost Estimating

Value Engineering

Constructability Analysis

Cacapon Resort State Park Lodge Expansion*

Berkeley Springs, West Virginia

Construction Management Services:

Phasing (Multiple Prime)

Cost Estimating

Value Engineering

Constructability Analysis

West Virginia School of Osteopathic Medicine Master Plan*

Lewisburg, West Virginia

Construction Management Services:

Phasing / Scheduling

Cost Estimating

*Projects with Paradigm Architecture



Project Goals and Objectives



3.



West Virginia Division of Natural Resources Project Goals and Objectives

- 3.1 Goal/Objective 1: Review existing plans and conditions as well as the operation of the park and evaluate while communicating effectively with the owner to determine a plan that can be implemented in a manner that will minimize disruption to concurrent operation of the facility and meet all objectives.

Paradigm Architecture and our consultants understand the process of evaluating existing plans and conditions and communicating effectively in order to minimize disruption to the Park operations and to meet all objectives. We have sought to define this in our narrative regarding Communication found in Section 2.1 a. with the Owner.

- 3.2 Goal/Objective 2: As a portion of this process outlined in Objective 1, provide all necessary services to design the facilities described in the EOI in a manner that is consistent with The Division of Natural Resources needs, objectives, current law, and current code; while following the plan to design and execute the project within the project budget.

Paradigm Architecture and our consultants understand the need to design the project in accordance with the Division of Natural Resource requirements and to comply with current codes. We have also defined our approach to managing the project budget in the narrative included in Section 2.1 b.

- 3.3 Goal/Objective 3: Provide Construction Contract Administration Services with competent professionals that ensures the project is constructed and functions as designed.


Paradigm Architecture and our consultants understand the importance of conducting construction administration services with competent professionals. We will assure that individuals directly connected to the design of the facility will continue involvement in the construction administration phase.



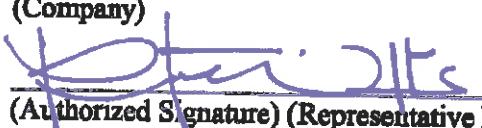
Executed Documents



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, 2223 Cheat Rd., Ste. 300, Morgantown, WV 26508
 (Address)
304-284-5015 ext. 1 | 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)
7/19/17
 (Date)
304-284-5015 ext. 1
 (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: As of 7/19/17, there is no addenda.
(Check the box next to each addendum received)

- Addendum No. 1
- Addendum No. 2
- Addendum No. 3
- Addendum No. 4
- Addendum No. 5

- Addendum No. 6
- Addendum No. 7
- Addendum No. 8
- Addendum No. 9
- 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

7/19/17
Date

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

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

MANDATE: 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 §61-5-3) 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: [Signature] Date: 7/19/17

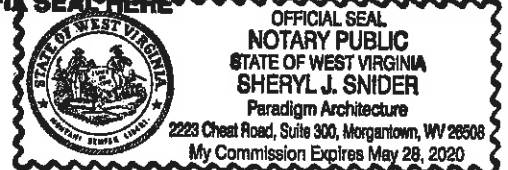
State of West Virginia

County of Monongalia, to-wit:

Taken, subscribed, and sworn to before me this 19th day of July, 2017.

My Commission expires May 28, 2020.

AFFIX SEAL HERE



NOTARY PUBLIC [Signature]
Purchasing Affidavit (Revised 09/01/2015)