

Expression of Interest
**MOUNTAINEER CHALLENGE ACADEMY
JOB CHALLENGE FACILITY
RENVOATION**



WYK ASSOCIATES, INC.

ARCHITECTURE • PLANNING

205 Washington Ave., Clarksburg, WV 26301 (304) 624-6326 www.wykarchitects.com

KINGWOOD, WV

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WV PURCHASING
DIVISION

MCA JOBS CHALLENGE PROGRAM RENOVATION

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WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

205 Washington Avenue
Clarksburg, West Virginia 26301
Phone: (304) 624-6326 Fax: (304) 623-9858
E-mail: wyk@wykarchitects.com

TO: Department of Administration
Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

Nov. 6, 2018	Job # 1900000010
ATT: Stephanie L. Gale	
RE: MCA Jobs Challenge Program	
Renovation	

We Are Sending You

- | | | |
|---|--|--|
| <input type="checkbox"/> Shop Drawings | <input checked="" type="checkbox"/> Attached | <input type="checkbox"/> Under separate cover via _____ the following items: |
| <input type="checkbox"/> Copy of Letter | <input type="checkbox"/> Prints | <input type="checkbox"/> Sketch <input type="checkbox"/> Samples <input type="checkbox"/> Specifications |
| | <input type="checkbox"/> Change Order | <input type="checkbox"/> Submittals <input checked="" type="checkbox"/> via UPS |

Copies	Date	No	Description
1	11-06-18	Hard Copy	Expression of Interest for Vance Building MCA Jobs Challenge Program
3		CDs	Solicitation No. CEOI ADJ1900000010

These Are Transmitted

- as checked below:
- | | | | |
|--|---|---|-----------------------------|
| <input type="checkbox"/> For Approval | <input type="checkbox"/> Furnish as Submitted | <input type="checkbox"/> Resubmittal Not Required | ___ Copies for Approval |
| <input checked="" type="checkbox"/> For Your Use | <input type="checkbox"/> Furnish as Corrected | <input type="checkbox"/> Rejected | ___ Copies for Distribution |
| <input checked="" type="checkbox"/> As Requested | <input type="checkbox"/> Revise and Resubmit | <input type="checkbox"/> Resubmit | ___ Corrected Prints |
| <input type="checkbox"/> For Review and Comment | <input type="checkbox"/> _____ | | |
| <input type="checkbox"/> FOR BIDS DUE _____ | | <input type="checkbox"/> PRINTS RETURNED AFTER LOAN TO US | |

Remarks

WYK Associates, Inc. thanks you for the opportunity to submit a proposal on this project. We look forward to the possibility of working with you in the near future.

COPY TO: file _____

SIGNED: James B. Swiger, AIA _____

If enclosures are not as noted, kindly notify us at once.

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.

James B Swiger, AIA
 (Name, Title)
James B Swiger, AIA - President
 (Printed Name and Title)
WJK Associates, Inc., 205 Washington Avenue,
 (Address)
304.624.6326 Clarksburg WV 26301
 (Phone Number) / (Fax Number)
james@wjkarchitects.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.

WJK Associates, Inc.
 (Company)
James B Swiger, AIA
 (Authorized Signature) (Representative Name, Title)
James B. Swiger, President
 (Printed Name and Title of Authorized Representative)
11/6/18
 (Date)
304.624.6326; 304.623.9858
 (Phone Number) (Fax Number)

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

ALL CONTRACTS: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contacted 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: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: WJK Associates, Inc.

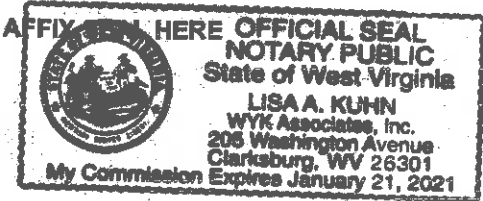
Authorized Signature: [Signature] Date: 11/6/18

State of West Virginia

County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 6th day of November, 2018.

My Commission expires January 21, 2021.



NOTARY PUBLIC [Signature]

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:
(Check the box next to each addendum received)

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

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

WYK Associates, Inc.

Company
Jan B. Sun, AIA

Authorized Signature
11/6/18

Date

NOTE: This addendum acknowledgement should be submitted with the bid to expedite document processing.
Revised 6/8/2012



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

MCA Jobs Challenge Program Renovation

LETTER OF INTEREST



WYK ASSOCIATES, INC.
ARCHITECTURE · PLANNING

November 6, 2018

Ms. Stephanie L. Gale
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305

Re: Mountaineer Challenge Academy Job Challenge Facility Renovation EOI

Dear Ms. Gale:

WYK Associates, Inc. wishes to express a strong interest in providing design services for this exciting project! We have included on our team Allegheny Design Services for Structural Engineering, Triad Engineering, Inc. for Civil Engineering both out of Morgantown and ZDS Design / Consulting Services for Mechanical, Electrical and Plumbing Design located in the Charleston area. WYK has a solid working relationship with these consultants and we have custom tailored the team to what we believe is the best team for the unique needs of your project. For 116 years we have been successful with focusing on architecture, which we are trained at and do best. We carefully select and utilize knowledgeable, experienced and trained consultants who specialize in their respective disciplines.

Our experience includes work on a wide variety of building types and projects of varying scopes and complexities. Examples of these are included in this Expression of Interest. WYK Associates, Inc. and its predecessors have provided architectural services in West Virginia since 1900. We believe that our knowledge and expertise and strong project team make our firm a sound choice for this endeavor.

Our design team has vast experience working within existing buildings with many build-outs in either new construction or complete gut and re-dos. Additionally, we have worked with upgrading many existing buildings to meet modern day codes while maintaining the original integrity of the structure.

We understand the importance of working with the staff at Camp Dawson and the State of West Virginia Purchasing Office to develop a common sense design solution that works best for you with regards to the scope of work, schedule and available funding. The principals noted in our Team Organizational Chart will be the individuals with whom you will work. We feel that the involvement of these principals throughout the course of the project allows us to provide our utmost level of service. We have demonstrated these services on a variety of projects with various programs and budgets for over a century.

Thank you for your consideration, we welcome the opportunity to meet with you to discuss your project further. Please feel free to contact me if you any questions or need any additional information regarding this submission at 304-624-6326 (office) 304-677-3373 (cell) or via e-mail at james@wykarchitects.com.

Respectfully Submitted,

James B. Swiger, AIA, NCARB, LEED AP BD+C
President



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

MCA Jobs Challenge Program Renovation
COMPANY OVERVIEW / PUBLICATION



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Company Information

Identity · Project Philosophy · Project Management

www.wykarchitects.com



Our Identity

Who we are

WYK Associates, Inc. is a full service architectural and planning firm serving a wide variety of commercial, religious, educational, civic and industrial clientele.

WYK Associates, Inc. was established in 1900 by Edward J. Wood. Our archives are filled with a century's worth of historic work. From this, many predecessors who have carried the torch of the firm through the last century.

Wood's grandfather's firm had roots in North Central West Virginia dating back to the early twentieth century. William Yoke, Jr. and Howard Kelley partnered with Mr. Wood in 1974 to form WYK Associates, Inc.

Mr. James Swiger joined the firm in 2005 and became a principal and vice president in 2008. In 2010, Mr. James Swiger assumed sole owner of WYK Associates, Inc.

Project Philosophy

Our process at work

COMMUNICATION & TEAMWORK are our guide words for each project. Our client's requirements for quality, service and value are the driving force behind each decision.

Through collaboration with engineering consultants we address the needs and schedule requirements of each client.

We provide thorough planning in all areas of each project to fit the individual requirements for a positive impact on both the natural and built environments. Energy conservation and product safety are very important concerns.

Project Management

How we create excellence

We carefully evaluate the client's program, design concerns, budget, funding sources, and other available data to assure a clear understanding of each project.

We incorporate input from our client and consultants to establish the budget and schedule. These facets are updated during each stage of project development to ensure our client's parameters are met.

WYK's principals engage and manage the entire project team, from concept through occupancy. WYK Associates, Inc. has an outstanding reputation for providing construction administration services along with maintaining an excellent rapport with contractors.

“ A building stands as a tribute to you and your firm for a job well done. ”

-Charles A. Feathers, Chief Bridgeport Fire Department, Retired



WYK ASSOCIATES, INC.
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Company Information

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Architecture

Contact Information

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304-623-9858 Fax

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Project Staff

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Stephen M. Kelley

Associate AIA
Senior Project Manager
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Canon T. Fancher

Associate AIA
Designer / BIM Coordinator
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Summary

Established as a full service architecture firm in 1900, then named Edward J. Wood Architect, WYK Associates, Inc. has been located in Clarksburg for 115 years. Through innovative and thoughtful responses to the unique issues of each project, our goal is to create places that fit the needs and desires of those who use them.

Our team approach integrates the collaborative strengths of each member to produce a solution of balance between design quality, schedule and budget. We have always considered sustainability, the built environment, and quality of life long before the public began to focus on its benefits. We take seriously the responsibility of designs and solutions to be cost effective and operate efficiently throughout the building's lifecycle.

Relevant Project Experience:

- West Virginia Folklife Center, Faimont State University
- Central Fire Station, Clarksburg, WV
- Circleville School, Pendleton County, West Virginia
- Harrison Co. Courthouse, Clarksburg, WV
- Pocahontas County Courthouse, Marlinton, WV
- Barbour County Courthouse, Philippi, WV
- Gassaway Depot, Gassaway, WV
- Morgantown Depot, Morgantown, WV
- Immaculate Conception Parish Center, Clarksburg, WV
- Jackson Square, Clarksburg, WV



West Virginia Folklife Center



Central Fire Station



Circleville School





WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Company Information

Identity · Project Philosophy · Project Management

Awards



2013 WV AIA MERIT AWARDS

ALL-ACHIEVEMENT IN
ARCHITECTURAL DESIGN

MIDDLE-INTERIORS

BOTTOM-UNBUILT

Fairmont State University –
Frank & Jane Gabor Folklife Center
Fairmont, West Virginia
Size: 6,900 S.F.

The Folklife Center was constructed in 1903 by Michael Kennedy and is the last remaining vestige of the Kennedy's dairy farm. The building had been seriously compromised by years of neglect and fire damage. Due to the building's history and notable residents, it was placed on the National Register of Historic Places in 2006.



FSU-Interior Design
Fairmont, West Virginia

After developing an architectural program for the Folklife Program, WYK Associates, Inc. decided to remove a floor from the existing structure and create a first floor classroom area, and a second floor "Great Room" which would restore the open structure of the barn and provide both exhibit and multi-use space.



Shinnston Community Center
Shinnston, West Virginia
Size: 17,000 S.F.

The facility will serve as a performing arts center, a look out for downtown events such as parades, etc. A much needed large banquet hall, accommodating 350 people, will provide the city with a gathering space for meetings and community organization. There is also a room solely dedicated to the Shinnston Senior Citizens, and another additional meeting room. The upper level of the building serves as the city administration offices and Council Chambers.



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Company Information

Identity · Project Philosophy · Project Management

Awards



2013 WV-AIA Merit Award for Design Excellence and Sustainable Design

Information Manufacturing Corporation (I.M.C.)

Cowen, West Virginia

Size: 18,000 S.F.

With Sponsorship from Senator Robert C. Byrd, the Webster County Development Authority commissioned this "state of the art" facility to house Information Manufacturing Corporation's regional operations. The important notion of sustainability is addressed through use of recycled steel, regional materials, and an innovative geothermal heat pump heating and cooling system.



2013 WV-AIA Merit Award for Design Excellence



West Union Bank- Newpointe

Clarksburg, West Virginia

Size: 9,000 S.F.

The design uses a combination of glass curtain wall with brick and monumental masonry units to present a very contemporary image. Because of the building orientation, the glass elevations require the use of solar glazing and a brise soleil system to reduce heat gain and glare in the offices.



2013 WV-AIA Merit Award for Design Excellence

West Pike Street

Parking Facility

Clarksburg, West Virginia

Size: 57,000 S.F.

The facility's design compliments all the adjacent properties, both historic and modern. A variety of outdoor activities are easily held here, enhancing the city's economy and livability. Designed by Associated Architectural Consultants, PLLC, which is a combination of Ralph Pedersen Architect & WYK Associates, Inc.

“ ... named “Jackson Square” in honor of Stonewall Jackson ... the structure serves multiple functions and fits in nicely with the historic fabric of downtown.

-Architectural Leaders Magazine, v1 Spring 2011



Company Information

Identity · Project Philosophy · Project Management

3D Laser Scanning / 3D Modeling / 3D Printing

WYK Associates, Inc. welcomed the New Year by taking a leap of progress in architectural design. By acquiring a color 3D printer, the Clarksburg architectural-planning firm puts themselves on the map as an industry leader in the region.

3D printing technology is just now becoming available, commercially. A color 3D printer creates a physical, three-dimensional gypsum-based model of any project from a digital prototype in nearly three million colors, allowing for exact detailing in every model.

“Our refined modeling process allows our clients to see and touch a new building at scale, but with its actual features. It enables our clients to make educated choices with less variance between their expectation and the actual outcome,” states James B. Swiger, President of WYK Associates, Inc.

The decision to purchase a color 3D printer was not made lightly. Evaluating different brands, methods

and technologies in 2013 and visiting maker labs and distributors in- and out-of-state, WYK opted for a solution tailored to the architectural environment and the company’s clients, by choice the “greenest”, most environmentally friendly model available to date.

To unleash the full potential of the 3D printer, WYK partners with ZDS Design/Consulting Services on 3D laser scanning. In the process of 3D laser scanning, laser beam signals that collect survey data points are used to capture images, make drawings and record measurements of a structure.

Combining the two technologies, existing buildings are scanned to the accuracy of one millimeter and then recreated as scale models on the 3D printer. An exciting combination - another first for the region - producing results greater than the sum of its parts.

“The possibilities are endless, and we have only just begun,” says Swiger enthusiastically.



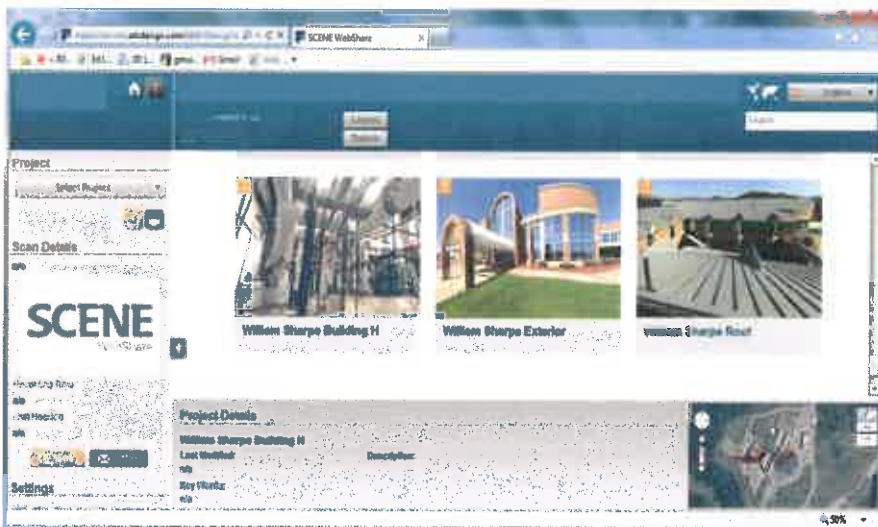
3D Laser Printing



Physical Model Preparation



Shinnston Community Center Physical Model



3D Modeling



3D Laser Scanning



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Company Information

115 Years of Excellence in Architecture



Rooted in History

The history of WYK Associates, Inc. is intertwined with the history of architecture in West Virginia. Through the years, countless buildings have been designed, expanded, and renovated by our company and it's predecessors.

Focus on Knowledge

Our staff is academically trained, all of our Architectural Interns have a degree in architecture from the East Coast's most prominent design schools. We know that professional development and enrollment with the professional organizations of our trade is the key to skilled employees.

Backed by Experience

We have been involved in a multitude of projects serving clients of the private, industrial and public sectors. From LEED-certified building design and complex multi-phase additions to the careful renovation of historical landmarks or our national heritage, we have been instrumental in our client's building success.

Passing the Torch

With generations of skilled architects contributing to the growth, values and success of our company, we developed a reliable process and keep an archive of documented solutions for architectural problems and planning challenges. This helps us to save time and resources, providing an advantage for our clients.

Ready for the Future

We are the first West Virginia architect to offer 3D printing solutions in-house, and with integration of 3D scanning and BIM in our projects, we are ready for the future of our trade.

- 2017** — Construction begins on the Robinson Grand Performing Arts Center
- 2017** — Ribbon Cutting Ceremony held for Clarksburg Federal Credit Union
- 2016** — Upshur County Courthouse Roof and Chimney Restoration
- 2015** — WYK Associates, Inc. signs contract to renovate the Robinson Grand Theatre
- 2014** — WYK Associates, Inc. selected to renovate Rose Garden Theatre, formerly Robinson Grand Theatre
- 2012** — James Swiger becomes sole owner of WYK, now President and Principal-in-Charge
- 2011** — William E. Yoke, Jr. retires, James Swiger becomes President
- 2008** — James Swiger becomes Partner and Vice President
- 2005** — James Swiger returns as Project Architect
- 1996** — James Swiger becomes an Architectural Intern at WYK Associates, Inc.
- 1996** — Carleton Wood, Jr. retires; William E. Yoke, Jr. becomes President
- 1992** — Howard Kelley retires
- 1978** — WYK Architects, Inc. becomes WYK Associates, Inc.
- 1976** — Carleton Wood, Jr., William E. Yoke, Jr. and Howard Kelley form WYK Architects, Inc.
- 1973** — Whalen King Architects purchases W.H. Grant's firm
- 1971** — Carleton Wood, Jr. joins Whalen King Architects
- 1965** — William E. Yoke, Jr. is a summer college intern
- 1956** — William H. Grant, Jr. acquires firm
- 1949** — Carleton Wood, Jr. joins firm as apprentice
- 1939** — Carleton Wood selected to rebuild Robinson Grand Theatre
- 1927** — Carleton Wood designs Clarksburg Fire Station
- 1921** — Firm changes to E.J. Wood and Son Architects as Carleton Wood joins
- 1910** — Edward J. Wood commissioned Marion County Jail
- 1900** — Edward J. Wood starts architectural practice



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

MCA Jobs Challenge Program Renovation

PROJECT TEAM



MCA JOBS CHALLENGE PROGRAM RENOVATION

Team Structure

WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Project Team

ARCHITECTURE

WYK Associates, Inc.
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ARCHITECTURE • PLANNING

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 **Allegheny**
Design Services
Consulting Engineers

MEP ENGINEERS

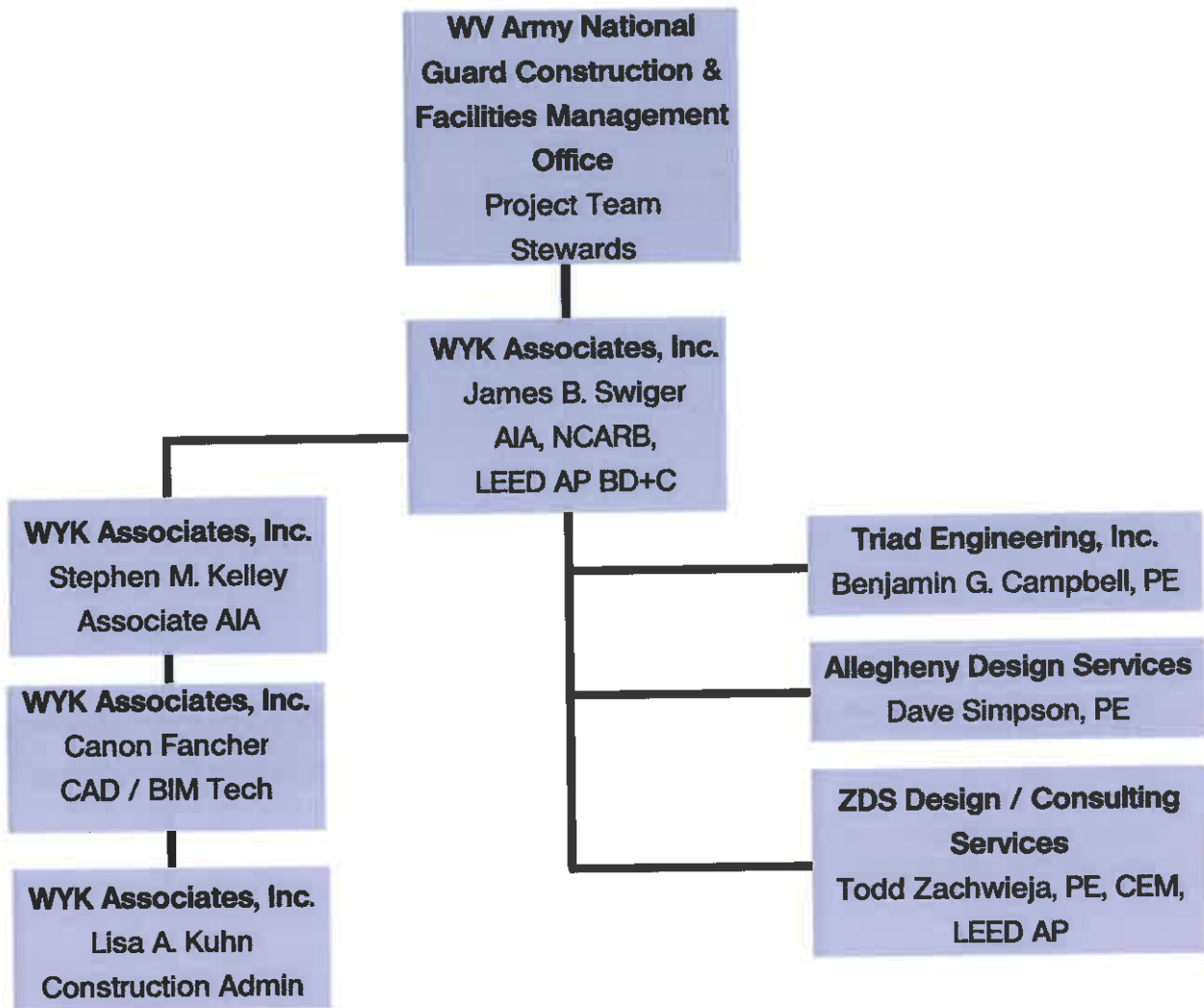
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www.zdsdesign.com

 **ZDS**
Design/Consulting Services

MECHANICAL ELECTRICAL INDOOR AIR QUALITY ENERGY COMMUNICATIONS



Development Team Organizational Structure





WYK ASSOCIATES, INC.
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MCA Jobs Challenge Program Renovation
PROJECTS



WYK ASSOCIATES, INC.
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West Virginia Army National Guard Fixed Wing Training Site

North Central West Virginia Airport, Bridgeport, West Virginia



A state of the art training facility

With Sponsorship from Senator Robert C. Byrd, the West Virginia National Guard established the state of the art personnel training facility totaling \$6.4 million in construction costs in 1996. Here students and instructor pilots from the fifty states and Guam train and certify on three different types of transport aircraft.

A wide hangar and an innovative hangar door system allow quick access to any one of five airplanes without disturbing other aircraft. Each aircraft has a dedicated manufacturer's support and maintenance team with their own work space. The two story masonry annex accommodates administration staff, instructor pilots, and instruction/simulator rooms.

The hangar proper is a steel frame structure with a clear span of the entire 210 foot hangar width. A prefinished insulated metal wall system with translucent thermal panels provides glare-free natural light with little or no maintenance. This was a part of the project's energy cost containment plan. This project also features 30' Tall Vertical Lift Doors.



Project Facts

Size: 37,000 sq ft

Completed: 1996

www.wykarchitects.com



WYK ASSOCIATES, INC.
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West Virginia Air Center Bridgeport, West Virginia

Government > North Central WV Airport > Air Center

Fast-track, Aircraft

Aircraft maintenance and retrofit service.

The building designed for the West Virginia Air Center is now occupied by Bombardier Services America Corp. The facility houses a complete aircraft maintenance facility which services mid-sized airplanes for both private airlines and the military. The building features four large aircraft maintenance bays which can accommodate up to a dozen aircraft for all types of maintenance and retrofit services.

The center has shops to support all phases of aircraft maintenance including interior finishes, composite materials, avionics and electronics and machine tooling. One bay is specifically designed for the removal and application of paint, and the building has state of the art fire protection and hazardous material collection systems. The modern office and support facilities offer unique views of the maintenance bays, and afford all employees an opportunity to observe the extensive and detailed work as the airplanes are torn down and rebuilt.

The project was completed in just over 14 months using a fast track construction management approach. The construction manager, all contractors, the owners representatives and the design team worked very closely to assure that all project milestones were met.



Project Facts

Size: 146,000 sq ft

Completed: 2004

www.wykarchitects.com



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

World Vision Addition Philippi, West Virginia

Community > Non-profit > World Vision Addition



Building materials for the community

Construction Materials for all.

WYK Associates, Inc designed the addition and renovations for the Appalachian Storehouse of World Vision. This ministry receives, stores and distributes a wide variety of building materials at little or no cost to allow families in need to improve and weatherize their homes. Housed in a former dressmaking shop, the facility needed additional space and upgrades to the existing building.



The design reoriented the flow of materials through the facility by adding a 3,000 S.F. loading dock/staging area on the east end of the existing building, and approximately 15,000 S.F. of new warehouse space on the west end. The entire facility received new fire alarm and sprinkler systems, and additional and upgraded office and administrative spaces. Lighting upgrades were also performed in the existing warehouse space for to create a much better work environment as well as save on energy costs.



The finished building more than doubles the storage capacity of the operation, and eliminates long standing traffic conflicts between delivery trucks at the loading docks and client vehicles.

Project Facts

Size: 15,000 sq ft warehouse

Size: 3,000 sq ft loading dock

Completed: 2009

www.wykarchitects.com



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

FAA Sector Field Office & Storage Building

Bridgeport, West Virginia

Government > North Central WV Airport > Office & Storage Building

Now serving: NCWV Airport

Office and storage buildings

Field Office

This facility, built along the access road to the airport terminal, houses the Airfield Services Support Staff to the FAA. These technicians provide support for the airport safety and navigation systems for the entire state of West Virginia.

The building houses not only office spaces, but shops for repair and assembly of components and a garage area for storage of equipment and maintenance of vehicles.

Storage Building

This pre-engineered building provides garage space for the airport's snow removal and runway support equipment.

The building includes minimal office space for record keeping and is designed to accommodate storage of salt, sand and cinders to keep both the runways and the roads open during winter weather conditions.



Project Facts

Size: 6,000 & 4,000 sq ft

Completed: 2004

www.wykarchitects.com





WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Stockmeier Urethanes Addition

Clarksburg, West Virginia

Commercial > Stockmeier Urethanes



Functional addition

Spacious expansion to an international company.

This is the third facility for this international manufacturer of industrial grade polyurethane. Headquartered in Germany, Stockmeier will now have the flexibility to reach markets in North and South America and to deal in both Euros and dollars.

By acquiring/renovating this existing pre-engineered shell building with its large developed site (another project completed by WYK Associates in the late 1990's) Stockmeier Urethanes has created contemporary offices and their first American production center.

They use specialized laboratories, production areas, storage spaces, and loading/transportation staging areas to comply with government oversight and regulations. The existing facility was expanded to include an enlarged loading dock with canopy, a new maintenance storage area, and a specialized storage tank facility.

WYK most recently completed a design to expand this facility. This added 7,800 S.F. of warehouse space as well as an additional loading dock with a shipping/receiving area.



Project Facts

Size: 32,500 sq ft

Completed: 1998, 2009, 2012

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WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Webster County EDA Building Cowen, West Virginia

Not your typical steel building...

Flexible spaces for lease!

This structure was built to bring in businesses to rural West Virginia, located in Cowen. It is a pre-engineered steel building with a masonry and metal façade. The design allows the building to be divided into three separate tenant spaces or "pods". Its design also had the foresight to be flexible enough to be used by a single tenant. The "pods" range in size from 2,500 S.F., 6,000 S.F. and 12,000 S.F.

A local doctor has leased the smallest segment of the building and has opened up a new health clinic of which the build-out was also designed by WYK. This facility is located on the same campus as the I.M.C. The glass entry element reflects the same detail from the I.M.C. building which contributes to the feeling of an overall campus.

The building is situated so that it is surrounded by parking to easy access to each "pod" and minimized common space in order to maximize the leasable area of the building.

The roof gables are turned 90 degrees to each other to break up the large mass of the building within its rural setting. It appears to be three separate buildings from a distance in lieu of a large warehouse "big box" metal building.



Project Facts

Size: 21,100 s.f.

Completed: 2005

www.wykarchitects.com



Northpointe Business & Industrial Park Shell Building Bruceton Mills, West Virginia

WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING



Multi-Use Shell Space

Growth and Convenience

This highly visible shell building was a project of the Preston County Economic Development Authority through West Virginia's EDA Shell Building Loan Program.

It is located at the Hazelton Exit of Interstate 68. This location in the Northpointe Business and Industrial Park is convenient to the intersections of I-79 and I-68, and within 500 miles of the major population centers of the northeastern United States.

This building is currently occupied by Puris, LLC, a 3D metal printing fabricator. With a 22' eave height, the building is adaptable for many uses. The office portion is masonry clad with two colors of CMU. All utilities are available within the Northpointe Business and Industrial Park.



Project Facts

High Bay: 47,250 s.f.

Office Space: 5,000 s.f.

Total: 52,250 s.f.

Completed: 2002

www.wykarchitects.com



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Information Manufacturing Corporation

Cowen, West Virginia

Commercial > IMC

Hi-tech expression

Sustainable design focusing on office operations.

With Sponsorship from Senator Robert C. Byrd, the Webster County Development Authority commissioned this "state of the art" facility to house Information Manufacturing Corporation's regional operations. This company transforms data into business intelligence and manages electronic data for government agencies.

The facility embraces a "hi-tech" image through expressions of form and materials. Extensive use and thoughtful composition of architectural metal panels, large glazed panels, and geometric proportioning of the brick masonry are integral to the building's character. The concept of manufacturing information guided the functional interpretation of the building's interior. Demands of the company's activities dictated large, ultra-flexible spaces defining the majority of the form. The building combines this square footage with smaller spaces for offices, secure storage spaces and conference areas.

Much consideration was given to employing user-friendly materials and creating environments whose focus was on the comfort of the users. Strategies range from indirect lighting in data processing areas, to creating exterior views from virtually every workstation.

The important notion of sustainability is addressed through use of recycled steel, regional materials, and an innovative geothermal heat pump heating and cooling system.



Project Facts

Size: 18,000 sq ft

Completed: 2006

www.wykarchitects.com



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Laurel Lanes Police Substation

Clarksburg, West Virginia



Facility Renovation

The project scope was to renovate and revitalize the interior of an existing apartment building at Laurel Lanes into a more functional police substation. The City of Clarksburg and the Clarksburg-Harrison County Housing Authority's goal was to increase police patrols in the area and to provide a police presence and space for police to work from.

The entire interior of the two-story apartment was renovated into a police substation with a conference room and break room on the ground floor with three offices, a toilet room and mechanical room on the second floor. The existing ground floor was removed and replaced with a new slab-on-grade concrete system.

Each room was outfitted with new casework, walls, ceiling and floor finishes, new HVAC system, new plumbing and fixtures, and new electrical wiring and fixtures. These new additions complementary to the layout and functions of the space and provides a great atmosphere for police officers to get their work done.



Project Facts

Size: 1,160 sq ft

Completed: 2016

www.wykarchitects.com



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

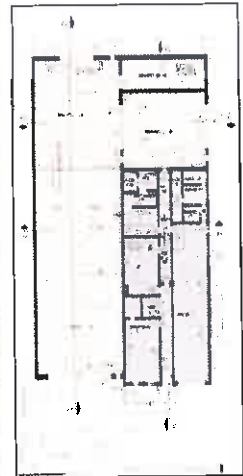
Elkins Fire Station - Apparatus Bay Addition

Elkins, West Virginia

Addition to Firestation

The addition to Elkins Fire Station includes two apparatus bays and a wash bay. Additional support spaces wrapped behind the existing early 20th century two story masonry structure incorporating equipment and maintenance rooms for the fire and rescue equipment. This one story masonry addition approximately increased the existing fire department's main floor area by 250%.

The apparatus bay's height was designed tall enough for fire and rescue equipment but yet kept low enough to compliment and not to overpower the scale of the neighboring two story house.



Project Facts

Size: 8,450 sq ft

Completed: 2004

www.wykarchitects.com





WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Total Dental Bridgeport, West Virginia



An “AHH” inspiring building!

Open up and say “AHH”!

WYK Associates provided architectural services for Dr. Jeffrey Browning in designing this new 9,800 square foot facility. Designed primarily for Total Dental, this building provides additional build-out spaces for future clients.

WYK designed the second floor of the building to the dental office with eight operatory rooms for dental services, a large waiting room, two doctor's offices, and a breakroom/kitchen space with access to an outdoor balcony.

The first floor of the facility is partially occupied by Subway and another doctor's suite. WYK provided access for a drive-thru area, making the restaurant capable of accepting drive-thru orders!



Project Facts

Size: 9,800 sq ft

Completed: 2014

www.wykarchitects.com



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Robinson Grand Performing Arts Center Restoration / Renovation Clarksburg, West Virginia

Historic property to be brought back to life!

Local theatre to revive downtown

Resurrection through adaptive reuse provides neighborhoods and cities with future opportunities through utilizing their heritage and creating economic opportunities. The Robinson Grand Theatre, now known as the Robinson Grand Performing Arts Center, has the capability to bring out the best the City of Clarksburg has to offer.

The Robinson Grand Performing Arts Center is focused on providing the support for performances, while providing the flexibility to adapt to a changing performance medium. WYK, and our team, worked tirelessly to provide the City with proposals for the future of this historic landmark. The theatre is a contributing building within the downtown historic district.

The project team consists of several companies from Ohio, West Virginia, and Pennsylvania, all specialized in theatre details and design.

Two concepts for the theatre were provided to the City, with the selection of one option being approved in late 2014. There will be several design phases into construction including historical intent and additional design documentation as the progress begins.





Robinson Grand Performing Arts Center Restoration / Renovation

Clarksburg, West Virginia

WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING



Original Lobby



Demolished Lobby



Lobby - In Construction



New Lobby



Original Ballroom



New Ballroom

Project Facts

Original Bldg: 1913

Theatre Fire: May 1939

Rebuilt: December 1939

Closed: 2000

Bought by City: 2014

45,000 Square Feet

Project Partners

www.wykarchitects.com

www.aurora-llc.com/

www.studioilighting.com

www.casstruceng.com

www.wrldesign.com

www.zdsdesign.com

www.pcscmservices.com



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Bridgeport Public Safety Substation

Bridgeport, West Virginia

Government > Bridgeport Public Safety > Public Safety Substation

A Focus on Safety

Public Safety Substation doubles as an emergency shelter.

This facility is located directly adjacent to the new United Hospital Center at Jerry Dove Drive and strategically situated within a ½ mile radius of I-79 and the White Oaks and Charles Pointe Developments.

The building is a substation for the Fire and Police Departments of the City of Bridgeport. The structure is a combination of load bearing masonry and structural steel frame with a decorative brick veneer. The Apparatus Bay and supporting facilities are one story, slab-on-grade with an abundance of natural daylight.

The radiant gas heating, vehicle exhaust and high efficient lighting systems are integrated nicely into the exposed roof structure above. The administrative offices along with each of the department's support facilities are in a connected, two story masonry and steel frame structure.

This facility was designed as a 75-100 year structure to serve the needs of this ever growing area region. The building's power is completely backed up by an emergency generator which will allow it to double as an emergency shelter in times of need.



Project Facts

Size: 15,000 sq ft

Completed: October 2009

www.wykarchitects.com



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Shinnston Community Center

Shinnston, West Virginia



Award Winning Design for a Gateway to Small Town America

**Welcoming residents and visitors
alike**

The Shinnston Community Center will stand sentinel at the entrance to the historic downtown area embracing Shinnston's rich heritage and history. The building will meet the needs of the city in the twenty first century.



This two story, 18,000 S.F. structure will house city government office on the upper floor along with a spacious council chambers doubling as a large conference area.

The first floor will feature a large banquet room capable of comfortably seating 375 persons, a commercial kitchen and a dedicated space for the city's senior citizen organization. A community meeting space is also designed into the plan. This facility will utilize low maintenance materials throughout.



Project Facts

Size: 17,800 sq ft

Completed: N/A

www.wykarchitects.com



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Christie-Cutlip Office Complex

Charles Pointe, Harrison County, WV

Commercial > Comvest Limited Inc. > Christie-Cutlip Office Complex



A 21st century office complex design

**Easily accessible from major
highways!**

**This office complex is located in
the new prestigious Charles Pointe
Development directly off the I-79
Technology Corridor.**

Their location is highly visible from the Harrison-Marion Airport and the I-279 connector to the airport. The client wanted a distinguished and comfortable modern design that incorporates historic/traditional architectural features.

The welcoming arched entry of the structure is flanked by a distinguished soaring clock tower to give the building presence within its surroundings. The brick incorporates intricately detailed ribbon bands which reflect a common building practice of yesteryear.





WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Christie-Cutlip Office Complex

Charles Pointe, Harrison County, WV

Commercial > Comvest Limited Inc. > Christie-Cutlip Office Complex



Floor plan, second floor

Project Facts

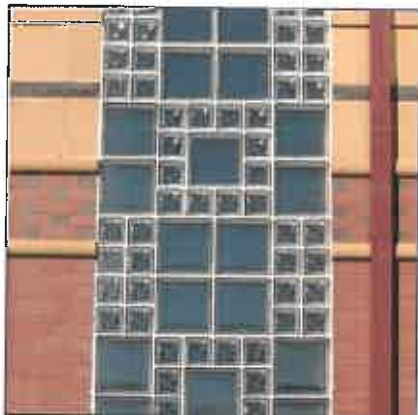
Phase One Completed: 2007

First Floor Build-Out: 2008

Size: 12,000 sq ft

Dark tinted aluminum storefront windows provide views to the majestic surrounding hills and the arriving and departing aircraft.

These energy efficient windows provide contrast to the brick textures while reducing heat gain and glare within the offices. The large overhangs provide protection to the façade from the elements as well as reduce direct heat gain in summer months.

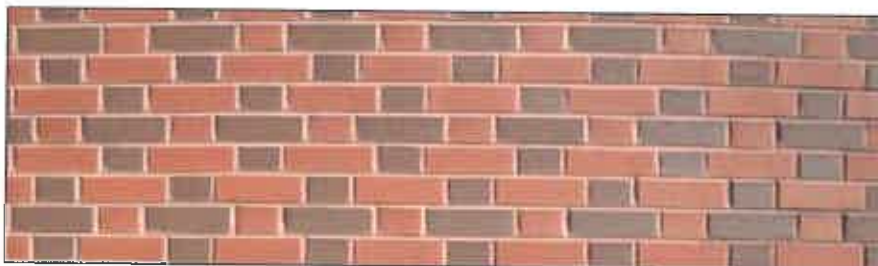


Project Links

www.wykarchitects.com

www.beldenbrick.com

www.marchwestin.com





WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Davis Memorial Hospital Addition Elkins, West Virginia

Local hospital receives new addition!

**New hospital expansion for exam
space!**

**Davis Health System has added
onto their campus with a two- and
three-story Outpatient Service area in
addition to a new Physician's Office
Building.**

The addition, directly connected to Davis Memorial Hospital's existing corridors, is designed to create minimal disturbance, penetrating at the facility's two existing corridor locations, joining the present corridors with the new.

The addition consists of exam rooms, administrative offices, reception and waiting areas, and outpatient surgical recovery rooms.

The facade features brick with a glass storefront to blend in with the historic fabric of the town, while also providing a modern look.

Other work included approximately 10,000 SF of renovations to the existing hospital at the connection points, and most noteworthy, the renovation of a new phlebotomy lab on the ground floor.



Project Facts

Size: 80,000 sq ft (New)

Size: 10,000 sq ft (Renovation)

Completed: 2014

www.wykarchitects.com



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Preston County Courthouse Renovation

Kingwood, West Virginia



Located in: Historic District

Addition to a National Register property

The Preston County Commission hired WYK Associates, Inc. to restore the exterior sandstone façade of this Pre-World War II Structure. WYK did extensive research and found the location of the original stone, quarried from Ohio. Given the nature of sandstone, which is very soft and porous, much of the stones around the top had deteriorated due to the failed stone parapet allowing water penetration into the stone.

WYK was involved with this project from beginning to final completion and beyond. All of the parapet stones were replaced as well as 2/3 of the upper stone façade with new stone from the original quarry. The new stone was a very close match to the original. The parapet stones were set with stainless steel pins over a waterproof flashing system. The head joints of the parapet were caulked in lieu of mortar to ensure it's performance through the expansion and contraction of the extreme weather conditions prevalent in Preston County.

The building once cleaned and repointed was coated with a breathable water repellent coating which allows moisture to escape the stone but prevents it from entering, thus reducing the freeze/thaw cycle, which is very detrimental to stone, especially sandstone.



Project Facts

Size: 8,000 S.F.

Completed: 2004

www.wykarchitects.com



SKB Architecture & Design



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Steptoe & Johnson Headquarters

Bridgeport, West Virginia

Commercial > Steptoe & Johnson PLLC > Headquarters Building

A Next Generation Success Story

Prime location with a View

The law firm of Steptoe & Johnson PLLC retained SKB to design a new build-to-suit headquarters building for their home office in West Virginia.

As the local associated architectural firm, WYK communicated the design to the team of contractors and was instrumental in the project's success.

The move from downtown Clarksburg to a new office park in Bridgeport was spurred by a new FBI evidence complex and regional hospital center. Serving as a symbol of West Virginia's economic growth, the new building sits picturesque on a hill with commanding views of the region.

The offices are intended to respect the company's tradition as a stalwart in the region and ushers in their next generation. The building includes offices for 70 attorneys; a conference center; a data center serving all of Steptoe & Johnson's offices in West Virginia, Ohio and Kentucky; a library and the associated support spaces.

The architects have been able to streamline the design process and minimize the construction costs while maintaining a high quality building inside and out that befits a law firm of this stature.



The headquarters overlook the I-79 tech corridor



The Modern Façade



Hallway Interior



Meeting Spaces

Project Facts

Completion Date: 2010

Size: 80,000 sq ft

www.step-toe-johnson.com



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

MCA Jobs Challenge Program Renovation
RESUMES



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Team Profiles

James Swiger

www.wykarchitects.com > About WYK > Team



James B. Swiger
AIA, NCARB,
LEED AP BD+C

President/Principal-In-Charge

WYK Associates, Inc.
205 Washington Avenue
Clarksburg, WV 26301

304-624-6326

304-677-3373 Cell

304-623-9858 Fax

www.wykarchitects.com

james@wykarchitects.com

Memberships



Vita

He is a Harrison County native involved with several community and professional organizations. James most recently was elected to the Harrison County Chamber of Commerce Board of Directors. He is an active member of the United Way of Harrison County, Inc., holding several different positions over the years.

James has gained broad experience in both the private and public sectors of the construction / design industry. His completed work reflects a variety of projects with values ranging from thousands of dollars to over \$22 million.

Education

5-Year Bachelor of Architecture, 1996
University of Tennessee, Knoxville, TN
NAAB Accredited University

Architectural Registration

West Virginia [REDACTED]
Ohio [REDACTED]
Pennsylvania (f [REDACTED]
Virginia [REDACTED]
Maryland [REDACTED]
National Council of Architects [REDACTED]

Honors and Awards

2015 Clarksburg Uptown Business Member of the Year

2015 Campaign Chair - United Way of Harrison County, Inc.

2015 Harrison County Chamber of Commerce Education Committee Chair

2015 "Young Gun" WV Executive Magazine

2013 AIA-WV Merit Award for Achievement in Architecture Design - Unbuilt: Shinnston Community Center, Shinnston, WV

2013 AIA-WV Merit Award for Achievement in Architecture Design; Fairmont State University- Frank and Jane Gabor Folklife Center, Fairmont, WV - Interior and Exterior

Energy Star Certification, Elkins Middle School, Elkins, WV

2010-11 Cambridge Who's Who Honored Member

2009 West Virginia Kiwanis District Governor's Award for "Promoting Membership Growth"

2008 Volunteer of the Year - Harrison County Chamber of Commerce

2008 Selected "Generation Next: 40 Under 40" by the West Virginia State Journal

2008 Strathmore's Who's Who Worldwide Recipient

2008 AIA-WV Merit Award for Achievement in Architecture

West Pike Street Parking Facility in Clarksburg, WV (Co-Design Architect)

Professional Affiliations

American Institute of Architects

AIA - West Virginia

National Council of Architectural Registration Boards

Accredited Professional
U.S. Green Building Council
Building Design + Construction

USGBC-WV Chapter

League of Historic American Theatres

National Trust for Historic Preservation

NFPA – National Fire Protection Agency

WVSHE – Associate Member of West Virginia Society for Healthcare Engineering

Affiliate Member of Builders Supply Association of West Virginia

Civic Affiliations

Health Access - Board of Directors

Clarksburg Uptown - Vice President / Board of Directors

Salem International University- Advisory Committee to the School of Business

Harrison County Chamber of Commerce – Board of Directors (2013-15)

United Way of Harrison County, Inc ; Board of Directors (2009-2016) - Executive Committee "Stonewall Leadership Contributor"; 2015 Campaign Chair

Kiwanis Club of Clarksburg 2008/2009 President

Kiwanis Division 3
2009/2010 Lieutenant Governor

Salem International University - Auxiliary

Salem Area Chamber of Commerce - Past Board Member

West Virginia Kiwanis District – District 3 – Past Lieutenant Governor

Harrison County Chamber of Commerce – Education Committee Chair

Salem Elementary School Nature/Fitness Trail – Project Manager



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Team Profiles

Stephen Kelley

www.wykarchitects.com > About WYK > Team



Stephen M. Kelley **Associate AIA**

Senior Project Manager

WYK Associates, Inc.
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Clarksburg, WV 26301

304-624-6326

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stephen@wykarchitects.com

Associated Memberships



The American Institute of Architects



Vita

While in college, Stephen worked two years for a construction company that focused mainly on roofing and masonry work of historic homes and buildings in the Philadelphia area. After graduation he took that experience and applied it to several projects at another local architecture firm, all the while completing his profession's required Intern Development Program. He is currently pursuing his professional license.

Stephen has gained broad experience in both the private and public sectors of the construction/design industry. He has been either the Project Designer or Project Manager in a range of projects totaling over \$22 million in value.

Education

5-Year Bachelor of Architecture, 2000
Philadelphia University
NAAB Accredited University

Professional Affiliations

American Institute of Architects (AIA),
National Chapter, Associate Member

American Institute of Architects (AIA),
West Virginia Chapter, Associate
Member

Civic Affiliations

Salem Area Chamber of Commerce -
Past Board Member

Harrison County Development
Authority - Past Board Member

Fort New Salem Foundation -
Current Board Member

Sperry-Davis VFW Post 9151
Quartermaster 2008 - Present

Dept. of WV - District 3
Quartermaster (2015/2016)

Sigma Mu Fraternity Alumni,
Mu Pi Chapter

United Way of Harrison County, Inc.,
Stonewall Leadership Contributor



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

Team Profiles

Canon Fancher

www.wykarchitects.com > About WYK > Team



Canon T. Fancher
Associate AIA
LEED Green Associate
Designer / BIM Coordinator

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www.wykarchitects.com

canon@wykarchitects.com

Associate Memberships



Vita

Canon began his career at WYK Associates, Inc. in 2016. His background includes a Bachelor's of Science in Architecture with a minor in general business from Fairmont State University.

Currently pursuing a Masters in Architecture from Fairmont State, Canon is equipped to aid in all areas of a project, from design through completion, including schematic design, construction documents and specifications.

Having grown up in Fairmont, WV, Canon understands the needs and desires of small communities, and has a desire to infuse modern, contextually sensitive, and sustainable designs into the projects he takes on.

Education

Bachelor of Science
in Architecture with a
Minor in General Business, 2013
Fairmont State University

Professional Affiliations

American Institute of Architects (AIA), National Chapter,
Associate Member

American Institute of Architects (AIA), West Virginia Chapter,
Associate Member

National Council of Architectural Registration Boards
(NCARB)

USGBC - LEED Green Associate

Volunteer Experience & Affiliations

United Way "Day of Action" - Annual Volunteer



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

**MCA Jobs Challenge Program Renovation
CONSULTANTS**



Allegheny
Design Services
Consulting Engineers





Triad Engineering, Inc.
Morgantown, WV

COMPANY BACKGROUND

Triad Engineering, Inc. is a multi-disciplinary engineering firm based in the Mid-Atlantic region specializing in the areas of geotechnical engineering, civil and utility engineering, construction materials engineering and testing and inspection, surveying, environmental consulting services, drilling, and other earth science related disciplines. Since its founding in Morgantown, West Virginia in 1975, Triad has provided engineering consulting services on thousands of projects of varying size and complexity. Triad is 100% employee-owned, with every employee taking part in Triad's ESOP from field support staff to senior managers.

“Triad is small enough to be responsive to the needs of our customers and large enough to remain at the forefront of scientific solutions.”

-Brad Reynolds, CEO

Triad currently maintains approximately 175 technically sound employees located in seven offices across five states. Our work force includes environmental scientists, geologists, hydrologists, civil, geotechnical and mining engineers, landscape architects, chemists, surveyors, trained Computer-Aided Design (CADD) draftsmen, field and laboratory technicians, drillers, and support personnel. We pride ourselves on a very low turnover rate, which adds to continuity and enhances the level of productivity and experience afforded by Triad.

With over 42 years of service in West Virginia and surrounding states, both the number and complexity of our projects have grown.



Our clients include federal, state and local governmental agencies, contractors, architects, engineers, attorneys, developers, commercial organizations, and mining and industrial corporations.

Facilities and equipment available to support our staff have continued to evolve through the years to adapt to the changing needs of the market. We have developed a fleet of drill rigs and support vehicles to meet the needs of our field operations. Well-equipped material testing laboratories are maintained to provide support for our geotechnical engineering and construction monitoring projects.

Each office maintains networks to support CADD functions, hydrogeologic evaluations, water balance modeling, roadway design, storm water management and surface water drainage, design, stability analyses, risk assessment, survey data reduction, and mapping. These broad, in-house capabilities give Triad better control over project schedule, quality, and cost, thereby minimizing problems that can occur during the various contract phases.



Triad Office Locations

Scott Depot

10541 Teays Valley Road
Scott Depot, WV 25560
304-755-0721 Phone

Morgantown

1097 Chaplin Rd.
Morgantown, WV 26501
304-296-2562 Phone

Northern Virginia

46040 Center Oak Plaza
Suite 180
Sterling, VA 20166
703-729-3456 Phone

Athens

1005 East State Street
Suite 10
Athens, OH 45701
740-249-4304 Phone

Winchester

200 Aviation Drive
Winchester, VA 22604
540-667-9300 Phone

Hagerstown

1075-D Sherman Avenue
Hagerstown, MD 21740
301-797-6400 Phone

Pittsburgh

201 Penn Center Boulevard
Suite 400
Pittsburgh, PA 15235
412-257-1325 Phone

CLIENT:

Smith/Packett Med-Com, LLC
4423 Pheasant Ridge Road
Suite 301
Roanoke, VA 24014

CONTACT:

Ms. Aubury Holmes
aholmes@smithpackett.com
540.774.7762

PROJECT TYPE:

Healthcare

YEAR COMPLETED:

Under Construction –
estimated completion
Fall / Winter 2018

TRIAD SERVICES:

Civil Design
Geotechnical
Engineering
Environmental Services
Materials Testing
Drilling
Special Inspections
Laboratory Testing
Survey

REGULATORY /

PERMITTING

USACOE
WVDOH
WVDEP
NPDES

OVERVIEW

The site of a previous 15.5 acre hillside farm has become the home of a 180,000 square foot, four-story senior living facility hosting independent living, assisted living, and memory care. Triad's Civil, Survey, Geotechnical, Environmental, and Construction Materials Testing professionals have helped make this project a reality.

OBSTACLES

During mapping, a portion of the property was identified as an old strip mine along with wetlands. These



features required consideration in the footprint placement and design of the property. Additionally, nearly 100,000 cubic yards of earth were moved for this project during some of the wettest months of the year.

SOLUTIONS



Due to site challenges, there was limited area for development for this project.

Triad's civil designers worked with project architects to locate the building to avoid wetlands and create proper stormwater best management features along with the other site elements.

To maximize the use of the property, site cuts and fill walls were utilized. Triad's geotechnical engineers provided designs for both a geogrid reinforced dry masonry block wall and a larger block wall along with foundation and earthwork recommendations.

In addition to providing a standard Phase I Environmental Site Assessment (ESA) for the lenders, Triad's Environmental team worked to delineate the Wetlands / Waterway and obtain Department of Environmental Protection (DEP) approval for the site and a National Pollutant Discharge Elimination System (NPDES) for the storm water discharge. Wetland coordination involved submitting to the US Army Corp of Engineers. Service areas all relied on the accuracy of Triad's ALTA / ACSM Land Title, Topographic, and Construction Stake-Out Surveys.



OVERVIEW

CLIENT:

West Virginia High
Technology Foundation
1000 Technology Drive
Suite 1000
Fairmont, WV 26554

CONTACT:

Mr. Jim Estep
ajestep@wvhtf.org
304.333.6814

PROJECT TYPE:

Commercial

YEAR COMPLETED:

On-going – estimated
completion of current
phase 2019

TRIAD SERVICES:

- Civil Design
- Survey
- Geotechnical
Engineering
- Construction Monitoring
- Laboratory Testing
- Drilling
- Environmental Services
- Permitting

REGULATORY /

- PERMITTING**
- USACE
- NEPA EA
- WVDOH
- WVDEP
- WV NPDES

The I-79 Technology Park is a +/- 400 acre research park and development located on a site with a collapsed coal mine. In 2007 Triad was contracted to provide a geotechnical investigation, including underground utility design and foundation recommendations for the ISR Corporation building. The 263,000 sf



metal-skinned facility is comprised of reinforced concrete which was grouted with fly ash to stabilize the building footprint.

Over the years, Triad has continued to

provide services for the West Virginia High Technology Foundation (WVHTF). The civil department prepared a Master Plan for the Commercial Retail phase of the project which incorporated 2004 master planning features along with results from Triad's Survey Mapping Services.

In 2016, Triad prepared a Preliminary Road and Utility Plan for a collector roadway and utilities originating at NASA Boulevard.

2018 brings new expansions to the project by extending the existing road infrastructure into an undeveloped phase. This expansion will make industrial sized building pads available to federal anchors. The scope of the work is to include engineering services, earthwork, storm drainage construction, erosion and sediment control, paving and extension of utilities. This phase of the project will include construction of approximately 1,545 linear feet of roadway, installation of water and sewer lines, and underground electric duct bank to serve three future building pads. At the completion of this phase, approximately 7,944 linear feet of roadway along with associated utilities will be constructed.



OVERVIEW

CLIENT:

West Virginia University
975 Rawley Lane
Morgantown, WV
26505

CONTACT:

John Thompson
Bill Linn
304.293.7478

PROJECT TYPE:

Athletic Facility

PROJECT NUMBER:

2012

TRIAD SERVICES:

Surveying
Site Civil Design
Geotechnical
Engineering
Drilling
Drainage Analysis
Sanitary Sewer
Utilities
Construction Inspection
Laboratory Testing

Morgantown is home to this state-of-the-art facility which incorporates designs settled on after visits to other top athletic programs around the country.

Geotechnical engineering evaluation and drilling along with survey services were provided to establish the boundaries for design and construction. Ellerbe Becket, Architect for the NBA's Cleveland Cavaliers' Practice Facility, worked closely with Triad on the civil site design for WVU. During construction, Triad worked with the General Contractor to provide construction monitoring and testing services.

Together the team produced a nationally recognized site to not only aid in player development and recruiting, but also to ease scheduling challenges for University coaches and to provide additional facilities for strength and conditioning, sports medicine, and staff office space.



This \$20M project contains two courts, both men's and women's locker rooms, weight strengthening and training rooms, an equipment room, and athletic training and physican examination area. Within the reception area of the facility is a WVU Bsketball Hall of Fame center and video screening room. Also incorporated into the facility is a players' lounge, recruiting area, and coaches offices.

The rear of the building has a large balcony for hosting events and taking advantage of the beauty of the University's Arboretum.





EDUCATION

Marshall University
MS, Engineering

Fairmont State University
*BS, Civil Engineering
Technology*

Potomac State College
AA, Civil Engineering

PROFESSIONAL EXPERIENCE
11 Years

REGISTRATIONS & LICENSES

Professional Engineer

- West Virginia [REDACTED]
- Pennsylvania [REDACTED]

SKILLS

- Project Management
- Soils Classification
- Construction Materials Engineering & Testing

PROFESSIONAL AFFILIATIONS

- ASHE
- ASCE
- NSPE
- SAME Pittsburgh

HIGHLIGHTS OF EXPERIENCE

Mr. Campbell has over 11 years of engineering experience, with more than six years as a QC / Construction Services Manager. He is responsible to Triad's Geotechnical Engineering Services projects and supports the Construction Field and Laboratory Services projects. Mr. Campbell is responsible for performance of geotechnical investigations, assessments, and evaluation of exploration results, foundation recommendations and reporting, laboratory testing, field inspections, and special inspections.

RELEVANT PROJECT EXPERIENCE / GEOTECHNICAL

West Liberty University Indoor Practice Field, West Liberty, WV

As project engineer, Mr. Campbell provided a geotechnical exploration for an indoor practice facility and conceptual student housing. Mr. Campbell was responsible for the baseline site and foundation recommendations. Site issues included weathered bedrock and bedrock elevations in relation to potential use of helical piers.

Fairmont Fire Station, Fairmont, WV

As project engineer, Mr. Campbell provided a geotechnical explorations and site recommendations for a conceptual fire station project. Mr. Campbell was responsible for overseeing test borings and laboratory soil testing on different sites for the purpose of assisting with site selection and, once determined, for construction and design purposes.

ATI Latrobe Plant Building Extension, Latrobe, PA

Mr. Campbell completed a geotechnical exploration for building additions to an existing flat rolled production group specialty steel manufacturing facility primarily for the Electric Arc Furnace. As project engineer, Mr. Campbell was responsible for supervision of the field exploration program, drilling inspection, logging of boring locations, and initial foundation recommendations.

Preparation Plant Expansion, Wana, WV

As project engineer, Mr. Campbell provided a geotechnical exploration for the expansion of an existing preparation plant. Mr. Campbell's responsibilities included providing baseline foundation and site preparation recommendations. Project challenges included undocumented fill, pyritic materials, and moisture sensitivity of site soils.

Eclipse Resources Posey RUMA, Quaker City, OH

As project engineer, Mr. Campbell provided an evaluation and geotechnical exploration of local roads scheduled for a road use maintenance agreement. Included in the project was an assessment of current conditions, improvement needs, and FDR design recommendations.

Tonkin Cell Site, Doddridge County, WV

As project engineer, Mr. Campbell provided an evaluation and geotechnical exploration of and initial foundation recommendations for this 320 foot tall, three leg lattice steel tower. Challenges included structural loadings and uplift relative to the bearing strata.



EDUCATION

West Virginia University
BS, Landscape Architecture

PROFESSIONAL EXPERIENCE

23 Years

REGISTRATIONS & LICENSES

Registered Landscape
Architect

- Pennsylvania
- Virginia
- West Virginia
- Maryland

SKILLS

- Walkability Studies
- Feasibility Studies
- Site Inventory and
Analysis Improvements
- Conceptual Design and
Development Plans

HIGHLIGHTS OF EXPERIENCE

Mr. Ernstes manages Triad's Northwestern Regional Civil Engineering & Land Development department. He provides professional services in the areas of site inventory and analysis, planning, landscape architecture, and permitting. His responsibilities include project management, client project coordination, design production, quality control and quality assurance. Mr. Ernstes' experience include land and infrastructure development, permitting, utilities, stormwater management and storm drain design / best management practices, and erosion and sediment controls.

RELEVANT PROJECT EXPERIENCE

WVU Basketball Practice Facility, Morgantown, WV

As Project Designer, Mr. Ernstes was responsible for the preparation of the Site Plan for the West Virginia University Men's and Women's Basketball Practice Facility adjacent to the WVU Coliseum. Project scope included site layout and grading, storm design, stormwater management, erosion and sediment control and utility routing for the proposed facility. He was responsible for the relocation of substantial utilities serving the WVU athletic complex. Inclusive of this plan, were the refurbishment of two tennis courts and lighting facilities.

I-79 Technology Park, Fairmont, WV

As Project Manager, Mr. Ernstes was responsible for the development of a Master Plan and detailed Retail / Commercial Plan for the expansion of the Park on behalf of the WV High-Tech Consortium (WVHTC) Foundation. Several areas of this campus are well-established and home to government agencies, utility providers and consulting firms, while many others remain in the planning and construction phases. New and planned developments include hotels, restaurants, office and industrial facilities, and the North Central WV Advanced Technology Center (ATC).

The Crossings, Morgantown, WV

As Project Designer, Mr. Ernstes was responsible for the site civil design transition of a 15.1 acre hillside farm into a 180,000 square foot, four-story senior living facility. Included in the project was site selection to best locate the structure away from abandoned strip mines and wetlands, and to create stormwater management best practice features which included moving 100,000 cubic yards of earth.

WVU Intermodal Transportation Facility, Morgantown, WV

As Project Designer, Mr. Ernstes was responsible for the preparation of Site Development Plans and permitting required for the WVU Transportation Center and Garage located on the medical campus of West Virginia University. Scope included preparation of plans to address layout, grading, utility, storm water management, landscape and erosion and sediment control for a new +/-500 parking space garage, public transportation center, and linkage to WVU Health Sciences Center and PRT, parking, biking and pedestrian site needs. The facility was developed with growth in mind and has the capacity for 1500 parking spaces if expanded. This project was recognized with a 2010 WV AIA Merit Award for Design for its originality, quality of design, program resolution, innovation, thoughtfulness and technique.



EDUCATION

Marshall University, WV
BS, Environmental Science

PROFESSIONAL EXPERIENCE

15 Years

REGISTRATIONS & LICENSES

- Licensed Remediation Specialist, No. 269, West Virginia
- Monitoring Well Driller Certification, No. WV00400, West Virginia
- OSHA HAZWOPER 40 Hour Training/8 Hour Update (current)
- OSHA 8 Hour Supervisor Certification

SKILLS

- Due Diligence
- CERCLA
- Hazard Ranking System (HRS)
- Environmental Assessments
- Permitting

HIGHLIGHTS OF EXPERIENCE

Ms. Metz is an Environmental Services Manager and Senior Environmental Scientist. She is responsible for the personnel management of the Environmental Services Group as well as the technical quality and management control of all Environmental projects. Ms. Metz is a Licensed Remediation Specialist (LRS) and performs a variety of tasks for sites in the West Virginia Voluntary Remediation Program (VRP).

RELEVANT PROJECT EXPERIENCE

West Virginia Brownfields Assistance Center, Huntington, WV

As Program Manager, implemented the WVDEP Statewide Petroleum Brownfield Assessment grant program. Tasks include acting as liaison between the Brownfields Assistance Center, WVDEP and the USEPA, conducting Phase I ESAs, preparing site assessment work plans, conducting Phase II ESAs, preparing reports, monitoring budgets, and managing field activities.

West Virginia Department of Environmental Protection, Charleston, WV

As Program Manager, implemented the WVDEP Statewide Hazardous Brownfield Assessment Grant program. Tasks included preparing site assessment work plans, acting as liaison between WVDEP and USEPA, conducting Phase I ESAs, conducting Phase II ESA, preparing reports, reporting status to WVDEP and USEPA, monitoring budgets, managing field activities, and managing community outreach.

Fayette County Commission, Fayetteville, WV

As Project Manager, implemented the County-Wide Hazardous Brownfields Assessment Grant program. Performed oversight for Phase I ESAs and asbestos inspections at 50 properties located throughout the County. Negotiated right of access agreements, monitored budgets and managed field activities.

West Virginia Division of Highways, Multiple Locations, WV

As Program Manager and LRS, responsible for field activities and report preparation for WVDOH properties in the LUST, WV VRP, and UECA programs of WVDEP. Site characterization tasks have included subsurface investigations to determine the extent of contamination, multi-media sampling, groundwater monitoring well and recovery well installation. Prepares and/or provides oversight during data evaluation, prepares remedial action work plans and final reports. Responsible for project personnel selection, overall project and technical quality, budget and schedule management.

West Virginia Department of Environmental Protection, Multiple Locations, WV

As Program Manager, responsible for performing various assessment tasks at USEPA Superfund sites in West Virginia. Tasks have included performing Preliminary Assessments, Site Inspections, Combined Preliminary Assessment/Site Inspections, Expanded Site Inspection, and Site Inspection Reassessments under CERCLA. Specific tasks have included performing regulatory file reviews, site reconnaissance's, Hazard Ranking System (HRS) site scoring using USEPA software, USEPA Contract Laboratory Program (CLP) data management using USEPA software, providing electronic laboratory data deliverables for the WVDEP in EQUIS® data management format, Sampling and Analysis Plan (SAP) and Quality Assurance Project Plan (QAPP) generation, field sampling, and report preparation. These tanks have been performed at over 50 Superfund sites throughout West Virginia.



EDUCATION

Woodson School of Surveying

PROFESSIONAL EXPERIENCE

40 Years

CERTIFICATIONS

- OSHA Certificate
- CADD Certificate

REGISTRATIONS & LICENSES

- Professional Surveyor – West Virginia

SKILLS

- FEMA Flood Surveys
- ALTA / NSPS Land Title Surveys
- Boundary
- Subdivision
- Construction Stake Out
- As-Built
- Bridge & Highways
- Industrial

PROFESSIONAL AFFILIATIONS

WV Association of Professional Surveyors

HIGHLIGHTS OF EXPERIENCE

Mr. Graham brings over 40 years of diverse surveying and construction management experience to the Triad team. He is responsible for all survey services provided in our northwest region. Mr. Graham has provided survey services to municipalities, residential, commercial and industrial developments and construction groups. His background includes experience as a Professional Surveyor, Field Engineer, Consultant, Construction Supervision, and Project Management.

RELEVANT PROJECT EXPERIENCE

ALTA / NSPS Land Title Surveys

Surveys performed involved field run surveys to locate boundary, buildings, and all existing features including utilities such as electric, telephone lines, cable, fiber optics, waterlines, sanitary system (including pipe inverts) and storm water systems (including structure inverts, Storm Water Management Ponds, and outfall structure details).

- Mountain State Alta, Beckley, WV
- Jackson Hills / Stonegate Alta, Martinsburg, WV
- Navy Federal Credit Union, Sterling, VA

Boundary and Subdivision Surveys

Duties included direction of field and office staff in the preparation of record research and initial computations, field run surveys, and assessment of field collected information to make final resolution of project boundary and certified plat preparation for recordation.

- Sago Mine Right of Way, Tallmansville, WV
- Falling Waters Subdivision, Morgantown, WV
- Raspberry Falls Golf and Hunt, Leesburg, VA

Construction Stake Out / As-Built Surveys

As Manager of Field Operations, Mr. Graham directed field and office efforts for many construction projects. The work included computations for stakeout by field crews, performing quality control evaluations for post stakeout data, providing clients with cutsheets and layout schematics. Mr. Graham was responsible for all final as-built plans and submissions from direction of field efforts through final plan preparation. As-Built plans depicted final constructed locations for all features on a given project including invert elevations for all sanitary and storm systems. Final Storm water management ponds, volumetrics, and outfall structure details. Final plans were submitted to appropriate government agency for acceptance.

- Washington Redskins Practice Facility and fields, Ashburn, VA
- Loudoun County High School, Leesburg, VA
- Northern Virginia Community College, Fairfax, VA



Allegheny
Design Services
Consulting Engineers

Allegheny Design Services, LLC
Morgantown, WV



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 work-flow built upon the cohesive integration of 3D Revit modeling and the latest analysis software. This integration allows us to produce the highest quality designs in the timeframe needed for successful design-build projects. Our staff is comprised of multiple licensed Professional Engineers.



Allegheny
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Consulting Engineers

**ALLEGHENY DESIGN SERVICES' EXPERIENCE
TEAMING WITH WYK ASSOCIATES, INC.**

**Total Dental - New Multi Tenant
Building for PCE,LLC
Bridgeport, WV**

**This project was completed in 2014 for
approximately \$1.5 million.**



**Harrison—Taylor 911 Center
Clarksburg, WV**

Design of a New Public Safety Facility—
Construction should start in the spring of
2016 on a new emergency dispatch center for
Harrison and Taylor counties. The two-story,
20,000 square foot facility is to be built on the
Quarry property in Summit Park. The project
will also include a 10,000 square foot build-
ing to house a radio maintenance garage and a
shelter-in-place/emergency staging area. The
project should take 12-18 months to com-
plete, depending on the weather. Hopefully,
construction will start in May or June at the
latest. Allegheny Design will be working
with WYK Associates to provide the structur-
al,
mechanical, plumbing, and electrical engi-
neering for the project.





Allegheny
Design Services
Consulting Engineers

**ALLEGHENY DESIGN SERVICES' EXPERIENCE
TEAMING WITH WYK**

**Bank of Gassaway
Flatwoods, WV**

ADS was a consultant to WYK Associates, Inc. for the Bank of Gassaway. Building consisted of steel framing with an open skylight and canopy center lobby. It was completed in 2008 at a cost of \$2 Million.



**Dominion Exploration Building Addition
Jane Lew, WV**

ADS was a consultant to WYK Associates, Inc. for the Dominion Exploration Building Addition. The addition is a 10,500 square foot addition completed in 2008 for \$1.5 Million.



**Bridgeport Public Safety Building
Bridgeport, WV**

ADS was a consultant to WYK Associates, Inc. for the Bridgeport Public Safety Substation. The 2 story 15,000 square foot structure houses the Bridgeport Fire and Police Departments. It was completed in 2009 at a cost of \$3.2 Million.





Allegheny
Design Services
Consulting Engineers

**ALLEGHENY DESIGN SERVICES' EXPERIENCE
TEAMING WITH WYK ASSOCIATES, INC.**

**Frank & Jane Gabor West Virginia
Folklife Center at Fairmont State Uni-
versity
Fairmont, WV**

ADS was a consultant to WYK Associates, Inc. for the Folklife Center. This charming stone building will become the headquarters of Fairmont State University's Folklife Program and a Visitor's Center. Completed in 2011 for \$1.3 Million.



**Pocahontas County Courthouse
Marlinton, WV**

ADS was a consultant to WYK Associates, Inc. for the Pocahontas County Courthouse. Renovations were made for an Elevator Addition and an Equipment Room Addition. In 2012 this renovation is expected to be completed for approximately \$1 Million.





Allegheny
Design Services
Consulting Engineers

**ALLEGHENY DESIGN SERVICES' EXPERIENCE
TEAMING WITH WYK ASSOCIATES, INC.**

**Parish Center
Immaculate Conception Church
Clarksburg, WV**

The new 15,000 square foot Parish Center is located directly behind the Immaculate Conception Church. This facility houses the church offices, a large banquet room with a capacity of 350, commercial kitchen, meeting spaces and smaller intimate gathering spaces. The center spine of the building is spacious and capped with translucent panels. Masonry Exterior. This project was completed in 2014 for approximately \$3.4 million.



**West Union Bank—Salem
Branch
Salem, WV**

A New Drive-Thru Bank Facility with Steel Framing and Shallow Concrete Foundations. This project was completed in 2015 for approximately \$500,000.





Allegheny
Design Services
Consulting Engineers

**ALLEGHENY DESIGN SERVICES' EXPERIENCE
TEAMING WITH WYK ASSOCIATES, INC.**

**West Union Bank
Clarksburg, WV**

ADS was a consultant to WYK Associates, Inc. for the West Union Bank. The bank branch is a 9,000 square foot facility completed in 2005 for \$1.5 Million. It received a Merit Award from AIA West Virginia



**Charles Point Exxon Travel Center
Bridgeport, WV**

ADS was a consultant to WYK Associates, Inc. for the Charles Point Exxon Travel Center. The building houses a restaurant, convenience mart, and a fuel station. It was completed in 2007 at a cost of \$750,000.



**Cutlip Christie Office Complex
Clarksburg, WV**

ADS was a consultant to WYK Associates, Inc. for the Cutlip Christie Office Complex. The 12,000 square foot office building was completed in 2007 for \$2.1 Million.





PROJECT PROFILE

WVU Weight Room Expansion Morgantown, WV



PROJECT ARCHITECT:
STRUCTURAL ENGINEER:
CONTRACTOR:

Heery International, Inc., Atlanta, GA
Allegheny Design Services, LLC, Morgantown, WV
March-Westin Company, Inc., Morgantown, WV

PROJECT SCOPE:

- Relocation of Stair Access
- Expansion of Weight Room
- Replace Concrete Slab-on-Grade Floors

PROJECT VALUE: \$1.8 Million

PROJECT COMPLETION: 2013



PROJECT PROFILE

West Virginia University Basketball Practice Facility Morgantown, WV



STRUCTURAL ENGINEER:
CONTRACTOR:

Allegheny Design Services, Morgantown, WV
Massaro Corporation, Pittsburgh, PA

PROJECT SCOPE:

- Men's & Women's Varsity Basketball Practice Facility
- Meeting & Training Rooms
- WVU Basketball Hall of Fame

PROJECT VALUE:

\$23 Million

ESTIMATED PROJECT COMPLETION:

2012



PROJECT PROFILE

WVU Milan Puskar Stadium Renovations Morgantown, WV



STRUCTURAL ENGINEER:

ADS Sports & Recreation, Morgantown, WV

CONTRACTOR:

Panasonic Corporation of North America

PROJECT SCOPE:

- The renovations include the addition of required ADA seating around the perimeter of the stadium; new luxury box seating complete with in-box heaters, TVs, and speakers; a 25% increase in available concession windows and restroom facilities; in-building storage for removable seat back sales; and a team store space for purchasing WVU merchandise. Also included in the renovations are an increase in the available gates into the stadium with new entrances added to both the north and south sides of the stadium. The east side of the renovation project will be open for the upcoming 2016 season and the west side plans to open in time for the 2017 season

PROJECT COMPLETION:

2016



PROJECT

Mylan Park Aquatic and Track Center Morgantown, WV



STRUCTURAL ENGINEER:
CONTRACTOR:

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

PROJECT SCOPE:

ADS Sports & Recreation is providing the structural engineering design for the Morgantown Track and Aquatic Center. The facility will consist of 50 meter competition pool, diving tower, therapeutic pool, public water park pool, classrooms, fitness rooms and concessions And a NCAA regulation running track and pavilion. The project is estimated to cost between \$25 - \$30 million. Construction is slated to begin in Spring 2017. As a Design Build project cost control was one of the primary goals during the design process. Multiple designs were evaluated and reviewed. Value engineering redesign was able to accomplish the budget goals. Constructability was reviewed with the contractor prior to final design. The entire project was then documented in REVIT thus providing the first take on constructability. During construction continued communication with the Contractor will be able to respond to field conditions thus giving opportunities for further cost reductions.

PROJECT VAULE: \$25 - \$30 Million

References: Jamie Ridgeway, VP March -Westin Company
Paul Walker, Paradigm Architecture



PROJECT PROFILE

Mylan Park Pro Performance



STRUCTURAL ENGINEER:

ADS Sports & Recreation, Morgantown, WV
Consulting Engineers

CONTRACTOR:

PROJECT SCOPE:

- Pro Performance RX's original location, sitting atop Mylan Park in Morgantown, West Virginia, has been a fixture in Morgantown for years, with a convenient location just off I-79. The facility was developed in 2006 after the Lynch family expanded their existing recreational facility to fulfill a growing need for a new sports center in the Morgantown area.
- With its personal training, state-of-the-art equipment, and exquisite facilities, including the 50,000 square foot Field Turf arena (boasting an impressive 70 ft. ceiling that allows for all types of year round indoor sports activity), Pro Performance's Mylan Park facility has gained not only regional but national attention for the quality of its services, trainers and equipment.

PROJECT COMPLETION:

2006



Allegheny
Design Services
Consulting Engineers

PROJECT PROFILE

Laurel Highlands Classroom and Gymnasium Addition Uniontown, PA



STRUCTURAL ENGINEER: Allegheny Design Services, Morgantown, WV

PROJECT SCOPE:

- 10,000 Classroom Addition
- Full Court Gymnasium Addition
- Construction of New Main Entry

PROJECT VALUE: \$5 Million

PROJECT COMPLETION: 1999



Allegheny
Design Services
Consulting Engineers

PROJECT PROFILE

Fairmont State University Feaster Center Addition



STRUCTURAL ENGINEER:
CONTRACTOR:

Allegheny Design Services, LLC, Morgantown, WV
Lombardi Development Company, Follansbee, WV

PROJECT SCOPE:

- Entrance Addition to Existing Facility
- Multi-Story Steel & Concrete Structure

PROJECT VALUE: \$1.1 Million

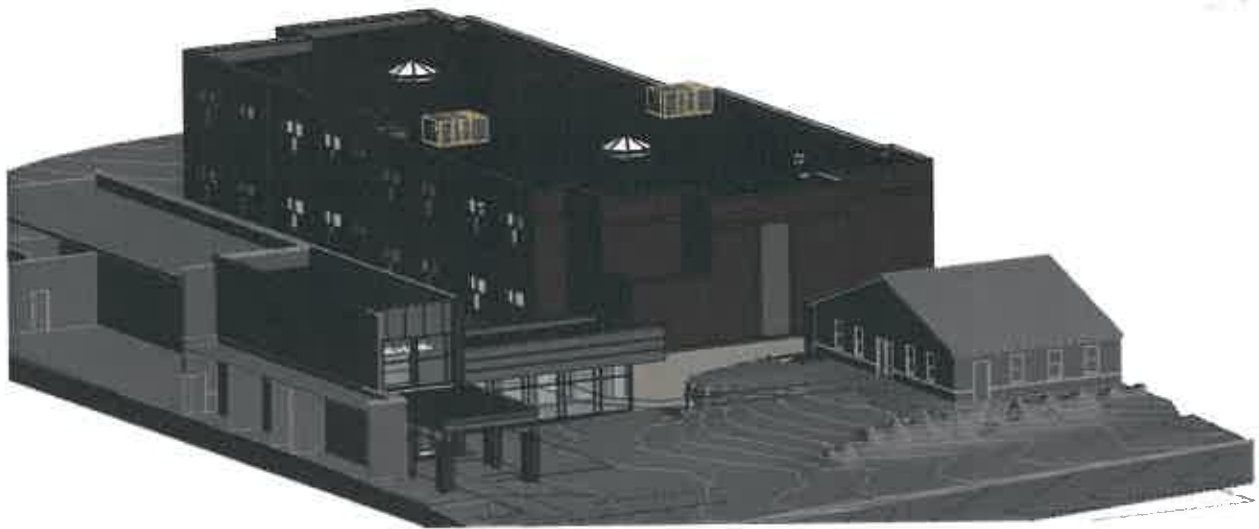
PROJECT COMPLETION: 2009



Allegheny
Design Services
Consulting Engineers

PROJECT PROFILE

Brookhaven School Addition Brookhaven, WV



STRUCTURAL ENGINEER:
CONTRACTOR:

Allegheny Design Services, LLC, Morgantown, WV
City Construction Company, Clarksburg, WV

PROJECT SCOPE:

Construction of a 40,000 sq. ft. addition to the existing school. Addition includes two floors of additional classroom space connected to a newly renovated entrance.

PROJECT VAULE:

10 Million

PROJECT COMPLETION:

2017





DAVID R. SIMPSON, PE, SECB, MBA
PRESIDENT / PRINCIPAL ENGINEER

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:

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, Illinois 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





JASON D. ROBINSON, PE
SENIOR STRUCTURAL ENGINEER

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





BRYAN R. GALLION, EIT
JR. STRUCTURAL ENGINEER

Education:

West Virginia University - Morgantown, WV - B.S. Civil Engineering
West Virginia University - Morgantown, WV - M.S. Civil Engineering

Professional Registrations:

West Virginia EIT Certification

Professional Memberships:

American Society of Civil Engineers

Continuing Education:

SE University multiple structural technical training webinars.

Professional Experience:

Graduate Research Assistant, WVU June 2014 - May 2016
Instrumented an eSpan140 demonstration bridge in Jesup, Iowa with strain gages
Applied an AASHTO HL-93 vehicular live load to the bridge while collecting
strain measurements to determine if the design moment capacity was met.

Graduate Teaching Assistant, WVU August 2014 - May 2016

Steel Design, Structural Analysis II, and Structural Analysis I
Assisted the professor with creating homework's and tests, along with solutions
and as well as grading all assignments
Provided out-of-class assistance to students having difficulties with course content

Undergraduate Student Research Assistant, WVU Summer 2013
Constructed wooden frame and poured concrete deck for simply supported cold
press braked steel tub girder in WVU's structures lab under the supervision of
my advisor / professor
Drew AutoCAD layouts of the girder and supports

Experience Record:

Allegheny Design Services, LLC, Jr. Structural Engineer May 2016 to Present

Project Experience Includes:

Sabraton Popeye's, Morgantown, WV
Morgantown Energy Platforms, Morgantown, WV
Preston Machine Hopper Analysis, Kingwood, WV
Mylan Suburban Lab Renovation, Morgantown, WV
Jewel City Church, Shinnston, WV
Spencer USPS, Spenser, WV
Brownsville Marine Rack Analysis, Brownsville, PA
HP Hood Building Addition, Winchester, VA
453 Oakland St Light Gage Design, Morgantown, WV
Woodford Oil Mezzanine, Morgantown, WV
7 Players Club Drive, Charleston, WV
WVU Coliseum Visitor Center, Morgantown, WV
Hampton Inn, Weston, WV
Keyser Block Factory, Keyser, WV
Webster County EDA, Cowen, WV





ZDS Design / Consulting Services
St. Albans, WV



ABOUT **ZDS** DESIGN/CONSULTING SERVICES

In 1983, Todd A. Zachwieja founded ZECO Consultants. In 1994 **ZDS** Limited Liability Company was incorporated in West Virginia using dba **ZDS** Design/Consulting Services, and was founded to provide design and consulting services.

Each new project is assigned to a principal in charge who will follow the project from inception through commissioning. **ZDS** assigns the production staff according to the nature of the project and the work force necessary to meet the schedule. The principal in charge of that project determines if consultants are needed and coordinates all areas. After bidding, a principal of **ZDS** coordinates visits to the job site regularly, all the way through the post-warranty inspection. **ZDS** believes in the team approach when providing engineering design and consulting services. We start with our client as the number one member on our team. We listen to the needs and concerns of our client and that becomes the basis for our design.

COMPANY LEGAL NAME

ZDS Limited Liability

Company dba **ZDS** Design/Consulting Services

LOCATION OF INCORPORATION

West Virginia

FOUNDERS

Todd A. Zachwieja, P.E., C.E.O.

Lori L. Zachwieja, C.P.A., C.F.O.

Daniel H. Kim, Ph.D.

OFFICE

281 Smiley Drive, St. Albans, WV 25177

EMPLOYEES

ZDS currently employs design professionals covering all aspects of our services.

CLIENTS

- Charleston Area Medical Center
- Charleston National Bank/Chase
- Concord University Nick J. Rahall II Technology Center
- District 2 Headquarters' Building HVAC Renovations
- General Motors North America Operations
- Harvard University Arboretum
- IMC Data Center, WV
- Kanawha County Commission Courthouse/Judicial Annex Renovations/Additions
- Laidley Towers, Charleston, WV
- Marshall University: Harris Hall & Smith Hall
- Meadowbrook & Burnsville Rest Areas
- Mercer County Courthouse
- Pocahontas Community Center
- St. Patrick Church Renovations, WV
- Tucker County Courthouse
- University of Charleston
- Veterans Administration
- Webster County Development Authority
- Webster County Schools
- White Sulphur Springs Welcome Center
- WV Air National Guard
- WV Army National Guard
- WV Dept. of Education
- WV Division of Energy
- WV Dept. of Transportation
- WV Dept. of Health & Human Resources
- WV Division of Culture and History Renovations
- WV Division of Protective Services
- WV General Services Administration – Capitol Complex
- WV Higher Education Policy Commission
- WV Parkways Authority HVAC Renovations
- West Virginia University

ZDS provides comprehensive design services. We have experience and specialties in indoor air quality, energy management and commissioning, along with traditional mechanical and electrical design experience dating back as far as 1958. We offer a complete package. **ZDS** works with all levels of the client's staff: the building owner, budget supervisor, operating and maintenance staff and others impacted by the project. We recognize that the maintenance and operating staff live with the design long after the project's completion. We listen to and work with those who will continue to operate and maintain the equipment. We find that proper communication benefits the client throughout the design process and beyond.

The **ZDS** design team provides a total system evaluation for cost-effective selection, installation, and ease of maintenance for both new systems and retrofit of in-place systems. Design begins with our client. Our staff meets with our client to review their concerns, budgets and schedules. The **ZDS** design team reviews the entire picture, and ends with "A Total Design."

The **ZDS** staff has the expertise with codes and standards. We have extensive experience in conducting engineering code surveys of existing facilities. Our staff has excellent working relationships with the West Virginia Fire Marshal's Office, West Virginia Department of Education and the West Virginia School Building Authority. In addition to comprehensive Engineering services from an experienced design team, another major consideration in the selection of your engineer and design staff should be their track record.

ZDS' organization has an unbeatable, long running, and well-known track record for meeting our clients' needs, on time and within budget, with outstanding quality. **ZDS** views these characteristics as the foundation of Quality. We look forward to the opportunity to discuss our ideas with you and assist you by providing solutions for your needs with a full range of services from Planning to Commissioning.

At ZDS, our engineering staff integrates energy efficiency into each project design to provide you, our client, with the added value that you expect and deserve. The ZDS team approach represents a tremendous amount of experience in designing energy efficient facilities. ZDS offers a comprehensive range of energy management services including:

- Providing detailed analysis of facilities
- Recommending sound and proven energy saving solutions
- Implementing energy management improvements
- Determining, quantifying and assisting in securing available Utility and Government grants

The ZDS team members take pride in the quality of their projects and have been responsible for designing and implementing numerous energy management programs. These programs are providing significant energy improvements and include optimizing, central utility plant equipment, control systems, air handling systems, lighting systems, and other energy consuming equipment.

Recent projects include:

- Interconnecting boilers and chiller plant systems
- Designing Geothermal HVAC systems
- Optimizing HVAC equipment and operating sequences, including upgrades to variable speed operation
- Installing Direct Digital Control (DDC) Energy Management Systems
- Replacing inefficient lighting equipment with energy efficient systems
- Modifying air handling equipment from 100% outside air to return air operation
- Implementing heat recovery units into HVAC equipment
- Improving laundry, kitchen and other process application efficiencies

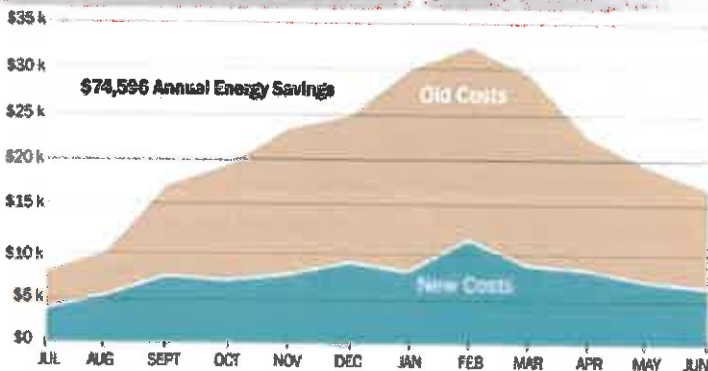


1st Place 2014
ASHRAE
Technology
Award



In addition to the energy management projects outlined above, the ZDS team members have extensive experience in identifying and implementing energy efficient operating and maintenance measures. These are typically low cost or no cost measures that include:

- Inspecting, calibrating temperature controls and adjusting outdoor air dampers
- Commissioning economizer cycle operation
- Testing steam traps and pressure relief equipment operation
- Enabling heating and cooling equipment only when required



ABOVE: ZDS designed and implemented the region's first and largest commercial geothermal system saving Webster County High School over \$74,596 in energy savings.

The ZDS team is trained and experienced in advising you of program options to incorporate energy efficiency and operational savings features into the design of your new construction and renovation projects. At ZDS, we view our role as helping you to define your own energy efficiency needs and goals through identifying energy savings options and providing supporting financial information. We then help you fit your energy efficiency needs and goals into a workable budget and schedule, and then design a program to fill those needs.

Sustainable "Green Building" design, including LEED certification, recognizes the importance of commissioning. The design and construction industry have had start-up problems when a facility is occupied and construction deficiencies were not discovered until the contractor's traditional one-year warranty period expired. The mechanical and electrical systems have continued to become more complex with sophisticated control systems and equipment, and a mountainous amount of changing technology. If not properly addressed, building owners could face numerous operational problems from "Sick Building Syndrome," excessive energy costs, and uncomfortable indoor environments.

Commissioning is the missing link between design and implementation. Prior to joining ZDS, Todd Zachwieja established commissioning services for one of the nation's largest energy service companies. He is also a LEED Accredited Professional. Many utility companies and building owners now require commissioning for new or renovated facilities in order to maximize the use of their investments in their facilities and to obtain LEED certification.

ZDS offers commissioning services for their clients, including meeting LEED enhanced commissioning requirements. These services include strategic planning and operations assistance for renovation and new construction projects. Commissioning services consist of construction document review, equipment performance testing, documentation of design criteria, value engineering, operational fine tuning, coordination of professional operations training programs and site-specific engineering consultation. Our project team has the unique experience of in-depth design knowledge and hands-on operations knowledge that fills in the gap between traditional design services and the building owner's operational needs.

The commissioning process offers the following benefits:

- Improved comfort, serviceability and owner understanding of systems and design intent
- Added technical support for the owner and being proactive in preventing new problems
- Reduced maintenance and decreased expenses related to operating deficiencies
- Early identification and resolution of system discrepancies while designers and contractors are still under contract and on the job
- Verification of system performance while meeting financial restraints

The National Conference on Building Commissioning invited Todd Zachwieja to speak and he jointly presented a paper with the Director of Maintenance of Charleston Area Medical Center's Memorial Division. The Tampa, Florida Conference involved experts nationwide.

Since 1958, the ZDS design staff has provided millions of dollars of engineering design services on a variety of project types. The ZDS design team will provide comprehensive services utilizing experienced staff through planning, cost estimating, engineering, coordination of bidding, regular site visitation during construction and specifications for equipment.

You, our client, will greatly benefit from a single point of responsibility for every need your project may have.



Engineering for State & Local Government Facilities



Governor's Mansion

Engineering planning and design for central heating plant, DDC controls, Air Handling Unit replacements and retrofits, operating and maintenance, training, heat recovery, fuel conversion, VFD's, variable water volume pumping, steam/heating hot water and chiller optimization.

Renovations included HVAC, fire safety, lighting, plumbing, indoor air quality and electrical power engineering.



Building #3



State Capitol

10 year contract to provide a preliminary procurement plan for design, construction and installation of an integrated intercom, emergency notification, and fire alarm system.



LEED Certified Candidate



Design/Consulting Services

Engineering for State & Local Government Facilities



Welcome Center and Rest Area



ZDS engineered the prototype for several Welcome Centers and Rest Areas.

ZDS provided engineering planning, design, bidding and construction admin services for M/E, Plumbing and Fire Protection.

ZDS also evaluated the existing courthouse's potential power needs and incorporated those in the new Judicial Annex's electrical systems while providing emergency power.

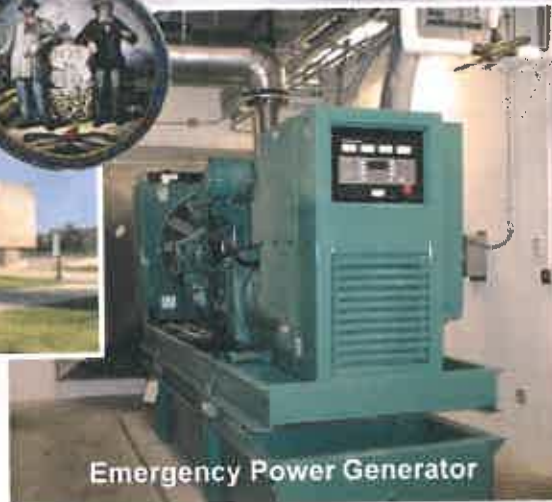


Mercer County Annex



Division of Culture and History

A 228,500 ft² Facility



Emergency Power Generator

Renovations save the Museum nearly \$153,000 in annual energy costs while preserving the State's priceless collection with proper HVAC, humidification, lighting, electrical and power generator systems.



Design/Consulting Services

Engineering for State & Local Government Facilities

ZDS engineering project experience includes facilities registered as official Historic Buildings



Jackie Withrow State Hospital



WVDHHR hired ZDS to engineer the upgrades for three historic hospital facilities in three separate locations. ZDS successfully completed the projects while meeting the requirements of the State Historic Preservation Office (SHPO).



Hopemont State Hospital



Mildred Mitchell-Bateman State Hospital

Renovations included HVAC, fire safety, energy efficient lighting, plumbing, indoor air quality and electrical power engineering.



Design/Consulting Services

Engineering for State & Local Government Facilities



130th Airlift Wing at Yeager Airport,
Phase I and Phase II
Aircraft Maintenance Fuel Systems
Hangars and Shops
Awarded LEED Silver Certification

Construction Costs: \$43,000,000
Project Size: 128,715 ft²

ZDS worked with the West Virginia Air National Guard on the Commissioning for their new Replacement Aircraft Maintenance Hangar and Shops plus a new Fuel Cell Hangar. This facility included a larger maintenance hangar, miscellaneous maintenance shops, central boiler plant and chiller plant. The project successfully achieved LEED Silver Certification with commissioning being an integral part of that certification.

"ZDS's commissioning services were invaluable in helping us understand our facility and ensure the systems were installed as intended and optimized for long-term operating benefits. We would recommend them again!" - Captain Harry Netzer, WVANG Project Manager



WV Army National Guard Base Case Study

ZDS Design/Consulting Services and its principals Ted and Todd Zachwieja were involved in many mechanical, electrical, and plumbing design projects for the WV Army and Air National Guard.

Two recent **ZDS** projects with the Army National Guard include providing electrical Design/Build engineering and project management for emergency power for the Army Headquarters Building and Annex Building in Charleston, WV. This project was completed ahead of schedule and within budget to provide emergency power needs for the Coonskin Army National Guard campus as part of their overall homeland security strategy.

ZDS also evaluated and designed HVAC renovations to restore four indoor firing ranges to meet current compliance with Army Standards.



Total MEP Cost: Over \$4,000,000

WV Army National Guard Dunbar Armory & Brushfork Armory



ZDS is currently providing comprehensive MEP engineering support for HVAC renovations at the two (2) project sites: the Dunbar Armory and the Brushfork/Bluefield Armory. Our professional services include preparation of the Construction Bid Documents issued in one package and will continue through bidding, negotiation and construction administration of the Contract.

Total Project Cost: \$2,000,000



Design/Consulting Services

Kanawha County Commission Judicial Annex & Courthouse



*"No one else could identify the MEP problems even though many had tried. Yet, ZDS provided an excellent evaluation while working well with our Judges and staff for a very successful project. We use them for all our challenging work."
- Kanawha County Commissioner*



The Kanawha County Commission hired ZDS to provide engineering planning, design, bidding and construction administration services for the renovation of the 93,000 ft² Annex and a 23,000 ft² addition using the ground floor of the parking garage connected to the Annex. The Annex includes circuit courtrooms, jury deliberation, attorney conferencing, witnessing, court clerical staff, public research, adult probation, prosecuting, maintenance, voter registration, court administration, and all public areas. The engineering for the addition included a new entrance, security checkpoint, and lobby to accommodate a building expansion for Juvenile Probation and a newly established Family Court.

ZDS assisted in identifying a phased approach to addressing and defining Indoor Environmental Quality (IEQ) issues and modifications for the Kanawha County Courthouse.

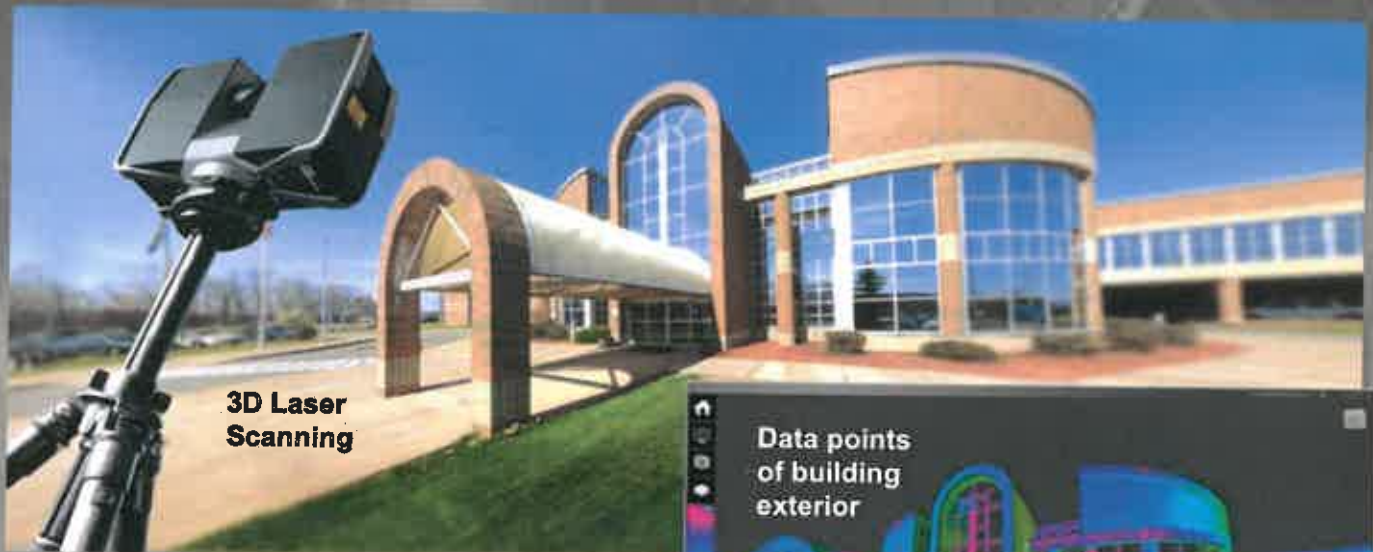
Total Annex Project Costs: \$10,270,000
Mechanical Project Cost: \$3,200,000
Annex Project Size: Renovations 93,000 ft² plus 23,000 ft² addition



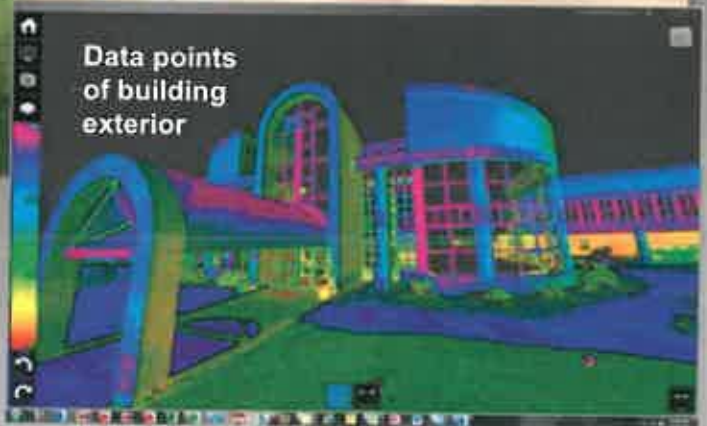
Design/Consulting Services

BIM - 3D Digital Imaging

Our 3D Laser Scanning Services helped William R. Sharpe, Jr. Hospital document existing conditions and integrate their 50-bed addition.



3D Laser Scanning



Data points of building exterior

Why 3D Laser Scanning is better:

3D laser scans reveal significant differences between existing conditions and the original drawings.

3D laser scans also provide superior details by capturing data that is more comprehensive and precise than conventional methods.

“With the 3D laser scanning service, ZDS saved us countless hours communicating to all project team members, even to those who work or live far away.

Also, we now have an accurate record of the existing conditions that DHHR can easily access now and into the future.”

Greg Nicholson, DHHR Chief Operations Officer



Web Share:

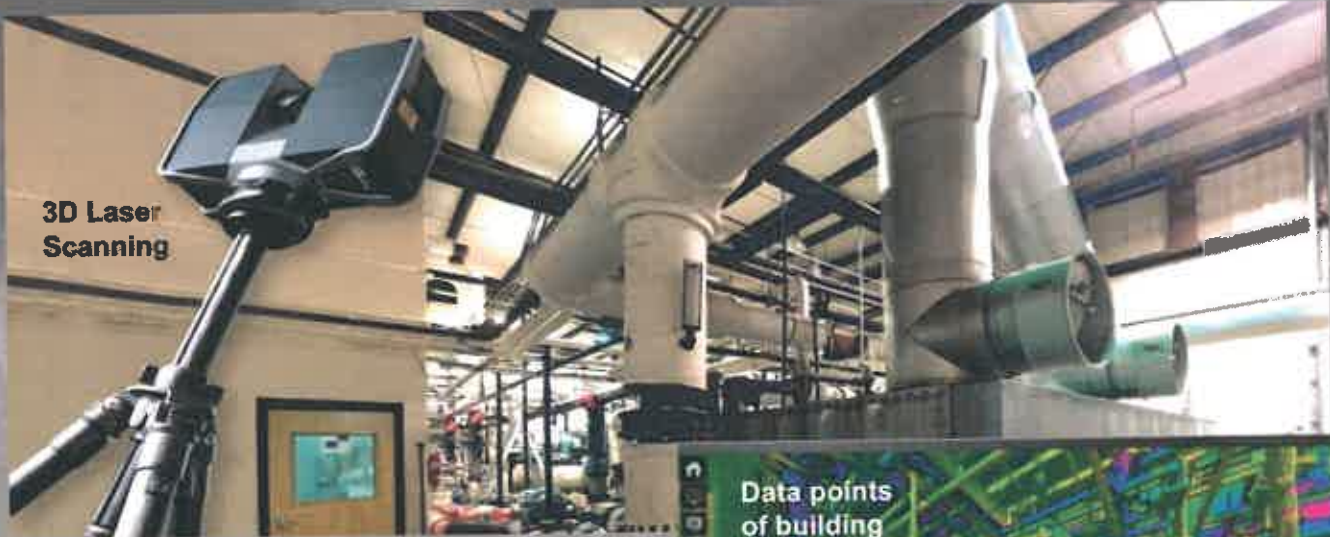
3D laser Scanning allows facility owners to view and measure areas with others on their planning and construction team.



BIM - 3D Digital Imaging

"The 3D laser imaging improves quality, saves time and money while providing a valuable resource now and into the future."

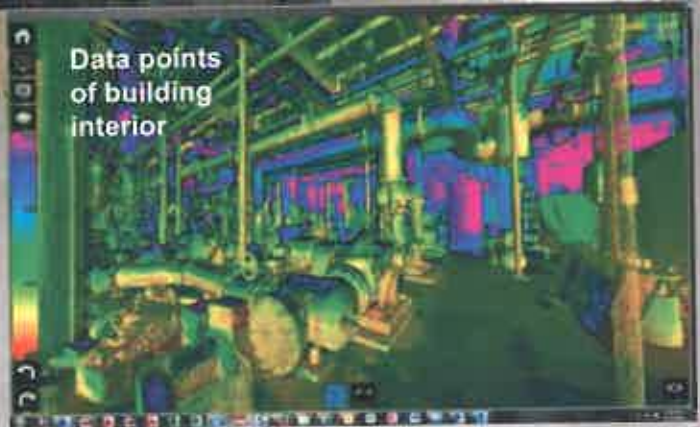
DHHR



"The 3D laser scans safely document hard-to-reach interior areas — this greatly reduces our risk for liability.

Also, the excellent details of the laser scans convert to accurate construction drawings, both architectural and engineering."

DHHR Director of Construction & Project Management



3D Engineering Drawing:
Sample of 3D mechanical drawing converted from 3D laser scan data points.

Web Share: Helps construction team members integrate existing conditions into BIM models.



Ted (Todd) A. Zachwieja, P.E., CEM, LEED AP **CEO, Principal-in-Charge M/E/P/FP Design and Commissioning**

Todd has over 38 years of experience involving the analysis, design, construction management and specifications for mechanical engineering, heating, ventilating, air conditioning, plumbing, fire protection, electrical and lighting, as well as indoor environmental quality analysis, building system commissioning and forensic engineering for educational, governmental, military, commercial, industrial and health care clients. He is also recognized as a campus master planner for utility infrastructure providing master planning at many Universities, hospitals and the State of WV Capitol Complex.

Prior to starting a consulting engineering firm, Todd Zachwieja coordinated comprehensive energy conservation programs resulting in annual energy savings of millions of dollars. He has managed a profitable regional office for one of the country's largest energy companies that service the southeastern United States. Todd also developed computer modeling programs for building energy analysis and monitoring. He has been invited as an industry leader to present technical papers and speak at professional conferences both regionally and nationally.

Todd selected and designed the pilot project for one of the largest geothermal heat pump applications in the Eastern US including designing custom geothermal rooftop AHU's. He has retro-commissioned HVAC systems for millions of square-feet for facilities located in 10 states. He has been involved with many commercial structures including high-rise commercial building renovations. Todd designed renovations to many existing schools which received *Energy Star Certifications* placing them in the nation's top 25% of energy efficiency schools. *The College Planning and Management Magazine* featured Todd and his work with a major University for the performance contracting programs that save millions of dollars in energy and operating costs. Most projects also qualified for EPA's Act which requires buildings use over 50% less energy than buildings designed using ASHRAE 90.1.

GOVERNMENT/HISTORIC/COMMERCIAL PROJECT EXPERIENCE

- Bank One
- Bayer Material Science
- Calvert County Aquatic Center, MD
- Charleston Area Medical Center
- Cass Scenic Railroad Clubhouse, WVDNR
- Coal Heritage Discovery Center
- Culture Center, HVAC & Fire Protection, WV State Capitol Complex
- General Motors Corp. Re-commissioning
- Hopemont Hospital, WVDHHR
- Jackie Withrow Hospital, WVDHHR
- Jackson County Courthouse Annex
- Kanawha County Commission: 120,000 sf Judicial Annex additions/renovations
- Kanawha County Courthouse
- Kanawha County Public Library
- Kohl's
- Laidley Towers
- Marshall University
- Mercer County Courthouse Annex
- Olin Corporation
- Phillip Morris USA
- Pendleton County Courthouse & Annex
- Public Service Commission of WV
- Redmond House, WVDOT
- Rhone-Poulenc
- Robinson Grand Performing Arts Theatre
- Santa Anna Federal Building, CA
- St. Patrick's Church
- Sears
- Toyota Motor Manufacturer, WV Inc.
- Union Carbide/DOW
- United Center
- University of Charleston Innovation Ctr
- Walker Machinery
- William R. Sharpe, Jr. Hospital, WVDHHR
- Word Trade Center, MD
- WV Air National Guard including Cx \$45M Fuel Cell/ Maintenance Hangars at Yeager Airport – *LEED Silver Certified*
- WV Army National Guard
- WV Capitol Complex Central Heating Plant
- WV Children's Home, WVDHHR
- WV Department of Transportation/DOH
- WV Division of Protective Services
- WV Higher Education Authority
- WV General Services Division
- WV State Capitol Complex renovations
- WVU Stewart Hall & Wise Library
- Yeager Airport



PROFESSIONAL REGISTRATIONS

Professional Engineer:

Florida
Georgia
Kentucky
Maryland
North Carolina
Ohio
Pennsylvania
South Carolina
Virginia 0402
West Virginia

Fire Investigation Certification under the direction of Peter Vallas, Sr.



Certified Energy Manager
(C.E.M.) National
Certification No. 2205



LEED Accredited Professional,
National Certification through
USGBC No. 10083891

EDUCATION

Masters of Science in Engineering
Management from West Virginia University
College of Graduate Studies.

Bachelor of Science in Mechanical
Engineering from West Virginia
Institute of Technology.



www.zdsdesign.com

Ted (Todd) A. Zachwieja, P.E., CEM, LEED AP

CEO, Principal-in-Charge M/E/P/FP Design and Commissioning

PROFESSIONAL AND COMMUNITY AFFILIATIONS

Member of Investigative Engineers Association (I-ENG-A) and founder of I-ENG-A of the Tri-State Region
Past President 2013-14, current Governor - WV ASHRAE Chapter, Served as ASHRAE's Energy and Technical Affairs Chairman for six years. Recognized by ASHRAE Region VII in 2014 with the David Levine Award of Excellence, Presidential Award of Excellence,
Recognized by the International Who's Who of Professionals
Recognized nationally as West Virginia's Business Man of the Year
Recognized by AEE nationally in 2007 as a Legend in Energy
Recognized by AEE nationally in 2008 as a Charter Legend in Energy
Charter Life Member of the Association of Energy Engineers
Professional Affiliate Member of the American Institute of Architecture
Associate Member West Virginia Society for Healthcare Engineering
Member of the International Code Council
Member of the National Society of Professional Engineers



OTHER RECOGNITIONS

Selected by WVU and the WV Division of Energy to train Code officials and the design community on ASHRAE 90.1 State Energy Code
Presented at regional and national conferences including the annual National System Commissioning Conference
Contributing editor and served on the Editorial Review Panel for *"The Handbook of Building Management and Indoor Air Quality"*
Contributing editor *"Ventilation for a Quality Dining Experience"*
Contributing editor and served on the Editorial Review Panel for *INvironment Professional, Power Prescriptions* and other publications and articles featuring Indoor Air Quality (IAQ) and MEP engineering systems
Energy Star Certified for facilities in the nation's top 25% of energy efficiency
1st Place 2014 ASHRAE Technology Award, Region VII
LEED Silver Certified WVANG Fuel Cell/Maintenance Hangar, Charleston, WV
LEED Gold Certified Harvard Arboretum, Boston, MA
First ASHRAE BEQ certified building in West Virginia, 2015



Ted Zachwieja III, P.E., CEM

Chief Technical Officer

Ted has over 14 years of experience in building construction design industry. His strategic thinking and development of technical resources at ZDS has helped streamline design processes and improve quality of work office wide. Ted is an innovative problem solver in engineering design, communication methods and management of BIM models between stakeholders during a design project. As a pioneer and a believer in technological processes Ted has championed Integrated Design Practices that has become the fabric of ZDS's day to day operations.

Ted developed ZDS's 3D Scanning services which have assisted in collecting key existing conditions for renovation projects, forensic engineering, historical preservation, and high definition reality capture. Ted has in depth experience on collection, registration, and scan to BIM processes. He has provided training and developed materials for best practices when using 3D scan data. Ted's 3D scanning experience includes governmental, educational, health care, industrial, and commercial facilities. He also has experience in speaking on how 3D laser scanning impacts our industry today.

Ted develops, designs and manages the IT systems. The experience encompasses development and deployment of central server systems to networked client computer systems, strategic development for ZDS' Integrated Design Processes, and research and development into new technologies to continue staying on the cutting edge for ZDS and others.

Ted's project experience includes design and commissioning for heating, ventilating, air conditioning, plumbing, fire protection, electrical and lighting systems for educational, health care, industrial and commercial facilities. His experience encompasses working both on new construction and renovation projects. He also is experienced in historical facilities including theatrical.

Ted maintains an active membership to the ASHRAE professional society and also has a lifetime membership to the Association of Energy Engineers. He maintains an active continuing education towards today's standards and codes as well as participates in ASHRAE at both a local and society level. He was recently appointed to the Electronic Communications Standing Committee with ASHRAE. Ted has designed renovations to existing K-12 schools which received *Energy Star Certifications* placing them in the nation's top 25% of energy efficiency schools.

GOVERNMENT/HISTORIC/COMMERCIAL PROJECT EXPERIENCE

- WV Air National Guard Maintenance Hangar and Fuel Cell Hangar, Charleston, WV – **LEED Silver Certified**
- Bayer Material Science
- Catholic Church of Ascension, Parish Hall Renovations
- Coal Heritage Discovery Center
- Culture Center, WV State Capitol Complex
- Hopemont Hospital, WVDHHR
- Jackie Withrow Hospital, WVDHHR
- Kanawha County Judicial Annex HVAC Renovations
- Laidley Towers
- Meadowbrook Rest Areas
- I-70 Welcome Center
- CASCI Building, Charleston WV
- Morgantown Welcome Center
- Pocahontas County Community Center
- Redmond House, WVDOT
- Robinson Grand Performing Arts Theatre
- Servia Rest Areas
- St. Patrick's Church, Weston WV
- Stonewall Jackson Marina
- University of Charleston Innovation Center Additions/Renovations
- William R. Sharpe, Jr. Hospital Additions/Renovations, WVDHHR
- World Trade Center, MD
- WV Children's Home, WVDHHR
- WV Parkways Authority, Toll Booth Plazas
- WV State Capital Complex Central Heating Plant
- WVU Wise Library
- White Sulfur Springs Rest Area
- Numerous K-12 School Renovations



PROFESSIONAL REGISTRATIONS

Professional Engineer:

Florida
West Virginia

Certified Energy Manager (C.E.M.)
National Certificate No. [REDACTED]



EDUCATION

Bachelor of Science in Mechanical Engineering from Rochester Institute of Technology, Rochester, NY

AWARDS AND RECOGNITIONS

Awarded 2012 Legend in Energy by the Association of Energy Engineers

Awarded acceptance into ASHRAE's 2015 Leadership University:

ASHRAE Blue Ribbon Award of Excellence

Co-Author at Autodesk University



Energy Star Certified for facilities in the Nation's top 25% of energy efficiency

 **ZDS**
Design/Consulting Services

www.zdsdesign.com

James E. Watters

Project Manager/Construction Administration

Jim has over 40 years' experience in design and implementation of lighting, HVAC, plumbing and electrical systems including nine years in the construction industry. He has a comprehensive knowledge of construction documents, contracts, and development of cost estimates, budgets and schedules. Jim's strengths reside in his ability to manage projects and people in an organized and cost-effective manner. Jim has been involved with the design and production of mechanical and electrical drawings including HVAC, plumbing, fire protection, lighting, electrical power, fire alarm and specialized systems. He has worked with and managed engineers in projects for health care, educational and commercial buildings in the states of West Virginia, Florida, Maryland, Pennsylvania, Ohio, Kentucky, Virginia, Georgia, New York, Arizona, Illinois and Massachusetts.

Jim has extensive experience in energy savings' programs for lighting, HVAC, plumbing and electrical systems in hospitals, state and government office buildings, school systems, and manufacturing facilities, as well as managing performance contracts for a large facility's campus totaling \$10,000,000 in construction costs on various projects, including the conception, design and construction administration for the installation of a 1.5 Megawatt emergency generator. The propane-fired generator and associated switchgear in conjunction with 60,000 gallons of propane fuel storage served to provide peak shaving/load shedding to save on the campus utility costs as well as emergency power functions. Through the years, Jim has researched and implemented into practice International Building Codes, NFPA Codes, National Electrical Codes, Life Safety Codes, IES standards, AIA Guidelines for Design and Construction, and ADA guidelines. His involvement in construction through the years has been mainly from the design side of the industry with a 9 year stint working for a contracting firm at the turn of this century. His experience includes coordinating with Architects, Owners and Agencies including an excellent relationship with the office of State Fire Marshal.

GOVERNMENT/HISTORIC/COMMERCIAL PROJECT EXPERIENCE

- Bluefield Area Transit Authority Administration and Maintenance Facility
- Kentucky Judicial Center, Boyd County
- Coal Heritage Highway Authority
- Chase Towers (formally Charleston National Bank)
- Culture Center Fire Alarm/Sprinklers, WV State Capitol Complex
- Department of Transportation Rest Area prototype
- Department of Transportation Welcome Center prototype
- Fenway Park Lightning Protection/ Grounding Study, Boston
- Glenville State College
- Hopemont Hospital, WVDHHR
- I-70 Welcome Center
- Jackie Withrow Hospital, WVDHHR
- Jackson County Libraries Renovations
- Kanawha County Commission Judicial Annex Renovations
- Laidley Towers
- Meadowbrook Rest Areas
- Morgantown Welcome Center
- Redmond House, WVDOT
- Rhone-Poulenc New Admin. offices
- Robinson Grand Performing Arts Theatre
- Sacred Heart Pavilion and Daycare Ctr
- St. Patrick's Church
- Shawnee Park Clubhouse
- Stonewall Jackson Marina Renovations
- Tucker County Board Office Boiler Retrofit
- Tucker County Courthouse Renovations
- University of Charleston Innovation Ctr
- William R. Sharpe, Jr. Hospital, WVDHHR
- World Trade Center, MD
- WV Air National Guard including Cx \$45M Fuel Cell/ Maintenance Hangars at Yeager Airport — **LEED Silver Certified**
- WV Children's Home, WVDHHR
- WV Department of Military Affairs, Public Safety Maintenance Facility, Eleanor
- WV Department of Transportation Burnsville Rest Area and Domestic Water Pumping Station — **AIA Merit Award Recipient**
- White Sulphur Springs Welcome Center



PROFESSIONAL AFFILIATIONS

Member of Investigative Engineers Association (I-ENG-A) of the Tri-State Region

Member of the National Fire Protection Association (NFPA)

Member of the Health Care Section of the NFPA

Member of the Illuminating Engineering Society (IES)

Past member of the American Society of Plumbing Engineers (ASPE)

Past member of the Institute of Electrical Engineers (IEEE)

OTHER RECOGNITIONS



Energy Star Certified for facilities in the Nation's top 25% of energy efficiency

ZDS
Design/Consulting Services

www.zdsdesign.com

Chase J. Thomas, PE

Project Engineer



Chase has nearly 9 years of experience providing design and Construction Administration services in mechanical, plumbing, fire protection and various electrical systems. His experience encompasses a broad range of Projects including, but not limited to, Commercial, Government, Healthcare, Educational and Industrial facilities. These Projects over the years have ranged extensively from small to large in terms of both physical sizes and construction budgets.

Chase's primary strengths are in the design and layout of HVAC systems, fire protection/sprinkler systems, lighting and other electrical systems. Other strengths include a good understanding of the design and implementation of piping systems encompassing all domestic water, sanitary waste/vent, storm water and natural gas combined with a knowledge in water heating systems, boilers, pumps, recirculating systems, Thermostatic Mixing Valves, etc. He consistently stays current with applicable Codes and national, as well as local, standards and regulations.

He has a good awareness of all aspects of the design process and how the various disciplines need to be coordinated to avoid conflicts during construction. Chase has maintained growth as technology has changed throughout the years in the field of engineering design and drafting standards beginning with varying degrees of CAD drafting and currently BIM/REVIT.

Chase maintains an active membership to the WV ASHRAE professional society as Vice President. He maintains an active continuing education towards today's standards and codes as well as participates in ASHRAE at both a local and society level. He has also continued his education with relevant courses associated with the field of engineering, and has been active in leadership training provided through ASHRAE and other highly reputable coaching services.

PROFESSIONAL REGISTRATIONS

Professional Engineer
West Virginia: [REDACTED]

EDUCATION

West Virginia University
Bachelor of Science
in Mechanical Engineering

AWARDS AND RECOGNITIONS

Vice President of WV ASHRAE
Member of Boy Scouts of America
(Eagle Scout)
General Contractor License
Holder

GOVERNMENT/HISTORIC/COMMERCIAL/EDUCATIONAL PROJECT EXPERIENCE

- Ashland Community & Technical College
HVAC Controls
- Ben Franklin HVAC Renovations,
Kanawha County Schools
- Bonsak Elementary (VA) HVAC Controls
- Cabell Huntington Hospital Surgery Center
HVAC Controls
- CAMC Memorial Hospital Patient Rooms
HVAC Renovations
- St. Mary's Hospital Patient Rooms HVAC
Renovations
- Tucker County High School
HVAC Renovations
- Urlings General Store
Building Renovations
- West Edge Factory
Building Renovations
- Weston Hampton Inn
HVAC Renovations
- World Trade Center, MD


Design/Consulting Services

www.zdsdesign.com

Larry A. Weese

Sr. Technical Analyst



Larry has nearly 26 years of experience providing design and Construction Administration services in mechanical, plumbing, fire protection and various electrical systems. His experience encompasses a broad range of Projects including, but not limited to, Commercial, Government, Healthcare, Educational and Industrial facilities. These Projects over the years have ranged extensively from small to large in terms of both physical sizes and construction budgets.

Larry's primary strengths are in the design and implementation of piping systems including all domestic water, sanitary waste/vent, storm water and natural gas combined with an expertise in water heating systems, boilers, pumps, recirculating systems, Thermostatic Mixing Valves, etc. Other strengths include a good understanding of the design and layout of HVAC systems, fire protection/sprinkler systems, lighting and other electrical systems. He consistently stays current with applicable Codes and national, as well as local, standards and regulations.

He has a good awareness of all aspects of the design process and how the various disciplines need to be coordinated to avoid conflicts during construction. Larry has maintained growth as technology has changed throughout the years in the field of engineering design and drafting standards beginning with ink drafting on paper, varying degrees of CAD drafting and currently BIM/REVIT.

Working on multiple National Guard projects in recent years he has experience and understanding of the United Facilities Criteria Code 3-600. Many of the facilities utilized gas-fired instantaneous water heating systems and vehicle service bays that incorporated numerous piping/tubing systems for air, grease, oil and other fluids.

Larry's experience with site utility design and coordination with the associated utility is a valuable asset on all projects, whether new construction or extensive renovations.

EDUCATION

West Virginia University
Master of Science in Wood Science

West Virginia University
Bachelor of Science in Wood Science

HISTORIC/HEALTH CARE/GOVERNMENT/COMMERCIAL PROJECT EXPERIENCE

- William R. Sharpe, Jr. Hospital Additions/Renovations, WVDHHR
- Bobcat of Advantage Valley Facility
- Charleston Fire Station
- Diamond Electric
- Dow Process Control Facility
- Elkins Armed Forces Reserve Center
- Fifth Avenue Baptist Church
- Foodland Stores
- Gassaway Armory
- Kroger Stores
- Lewisburg Readiness Center
- Mason County 911 Center
- Moorefield Readiness Center
- Orchard Manor Fire Station
- Raleigh County 911 Center
- Randolph County 911 Facility
- Rite Aid Stores
- Robinson Grand Performing Arts Theatre
- Silver Trees Suites Hotels
- Summersville Readiness Center
- St. Albans Armory
- St. Albans Readiness Center
- St. Johns Church
- Verizon Office Buildings
- Yeager Airport
- World Trade Center, MD
- WV Department of Highways

EDUCATIONAL PROJECT EXPERIENCE

- Ben Franklin HVAC Renovations, Kanawha County Schools
- Fairmont State College
- Fairdale Elementary School
- Lewisburg Elementary School
- New River CTC
- Nitro High School
- Pikeview Middle School
- South Charleston Middle School
- Sissonville Middle School
- Tyler County MS/HS HVAC Renovation, Tyler County Schools
- Talcott Elementary School
- West Liberty University
- Marshall University
- WV Institute of Technology

Matthew L. Cardwell, E.I.

Designer

Matthew has over one year of experience providing design and Construction Administration services in mechanical systems. His experience encompasses Projects including, but not limited to, Commercial, Government, Educational and Industrial facilities. These Projects have ranged extensively from small to large in terms of both physical sizes and construction budgets.

He has a good awareness of the design process and how the various disciplines need to be coordinated to avoid conflicts during construction.

RockSat-X Mechanical Team Lead, Marshall University, Huntington, West Virginia.

Lead design of payload for high-altitude sounding rocket. Oversee team of mechanical engineering students to ensure deadlines are met and design is capable of withstanding launch and re-entry. Communicate with multi-disciplinary teams to ensure continuity throughout the payload. Maintain quality and accuracy through the design and manufacturing process. Coordinate with NASA representatives to ensure all regulations are met before flight.

Engineering Co-Op, Special Metals Company, Huntington, West Virginia.

Maintain inventory and track employees' performance to optimize production. Observe production process to optimize throughput and quality. Report daily supply cost, production output and track materials. Coordinate trucking to ensure multiple facilities maintain throughput .

Marshall University Teaching Assistant

- ENGR 111 (Engineering Computations)
- ENGR/ME (Thermodynamics I & II)
- ENGR/ME (Mechanical Engineering Lab)
- ENGR/ME (Heat Transfer)
- ENGR 318/319 (Fluid Mechanics)



PROFESSIONAL REGISTRATIONS

Engineer Intern:
West Virginia

EDUCATION

Marshall University
Bachelor of Science in
Mechanical Engineering, 2017

Marshall University
Masters of Science
in Mechanical Engineering
(currently ongoing)

AFFILIATIONS & RECOGNITIONS

Member, WV ASHRAE

ASME-SAE Student Club President
2015-2017

Graduated Magna Cum Laude
(GPA 3.76)

Dean's List
2013-2017

Promise Scholarship Recipient
2013-2017


Design/Consulting Services

www.zdsdesign.com

Boyd, Gary MA, CEFP

2300 MacCorkle Ave. SE | 304 357-4871 | garyboyd@ucwv.edu

August 11, 2016

To Whom It May Concern

With well earned respect I would like to recommend ZDS as a high quality MEP design firm.

I have had multiple opportunities to work on highly technical projects with Todd Zachwieja and his team of skilled engineers. The first project that I had the opportunity to work with ZDS was a WVU project that connected several older chillers to develop a chilled water loop on the downtown campus. The project included piping through congested areas, load calculations, differential pressure and pump control, and load balancing. This project was designed to become a phased approach to a central chiller plant which is now in operation. The project was efficiently managed and the performance exceeded expectations. As the system changed and older chillers were removed from the loop, Todd always responded to questions and concerns to insure a positive outcome for the overall objective.

At present I am working with ZDS on a University of Charleston project constructing a new Innovation Center and Athletic Complex. ZDS has accommodated many twist and changes to this project. We are on track to open the new facility in December of this year. I have found Todd and his team to be highly responsive and professional.

Sincerely,



Boyd, Gary MA, CEFP
Director of Facilities
University of Charleston



July 19, 2013

To whom it may concern:

ZDS Design/Consulting Services was sub-contracted by SAIC to perform the fundamental commissioning activities on a two-phase maintenance and fuel cell hangar project for the 130th Airlift Wing on the West Virginia Air National Guard Base at Yeager Airport outside Charleston, West Virginia.

Without hesitation, I recommend Todd Zachwieja and his team for their efforts on this complex project. The first phase, the Replace Aircraft Maintenance Hangar and Shops phase, was initially scoped to meet a certifiable level for LEED® certification. ZDS Design/Consulting Services worked with my team and the West Virginia Air National Guard (WVANG) representatives through the design phase to provide the necessary activities required to meet the LEED® Energy and Atmosphere Prerequisite 1, Fundamental Commissioning of the Building Energy Systems. However, when the second phase, the Fuel System/Corrosion Control Hangar and Shops phase, came to life about the time that phase 1 construction began, the entire project was required by the National Guard Bureau to be certified by the Green Building Certification Institute (GBCI) at a LEED® Silver level. ZDS Design/Consulting Services diligently worked with the general contractor, the WVANG and SAIC to develop an approach to the phasing of the commissioning activities for both buildings that still met the fundamental commissioning prerequisite requirements as one of the hangars was to lay dormant after completion for an extended period of time until near the completion of the second phase. This required that ZDS Design/Consulting Services perform some of the commissioning activities for the first phase during the first phase construction and the remainder during commissioning of the second phase.

Through the construction process, Todd Zachwieja's group kept me well informed on their schedule and their deliverables. Todd was frequently on my LEED status calls with the contractor to stay abreast of any upcoming issues that would affect the commissioning activities and to assist in how to resolve issues that would come up. In addition, ZDS Design/Consulting Services assisted us with services beyond the commissioning activities as well. These included providing and reviewing building flush-out calculations to determine if LEED® Indoor Environmental Quality Credit 3.2, Construction IAQ Management Plan, Before Occupancy, was achievable and providing light level readings for a light pole that needed to meet certain light levels. The project achieved LEED® Silver certification and the fundamental commissioning prerequisite was approved by the GBCI after the first construction review without qualification.

ZDS Design/Consulting Services proved to be a well-qualified firm that provides timely and efficient services. SAIC was extremely pleased with their services on this challenging project.

Sincerely,

SAIC Energy, Environment & Infrastructure, LLC

Thomas Warner, LEED® AP, BD&C
LEED Administrator/Senior Architect

SAIC Energy, Environment & Infrastructure, LLC

60 East Plato Boulevard, Suite 300 | St. Paul, MN 55107 | tel: 651.771.2222 | fax: 651.778.3911 | saic.com/EEandI



Michael Pickens

172 Oak Street

Dunbar, WV 25064

(304) 400-9993

February 1, 2017

RE: ZDS Design/Consulting Services

I have had the privilege to work with ZDS Design/Consulting Services' principals and many of their staff since working at the School Building Authority in the 1990's in my roles at the School Building Authority to my current role as Executive Director of the Office of School Facilities at the West Virginia Department of Education.

When an emergency issue arose, they would immediately make themselves available to help. ZDS's principal, Todd Zachwieja, did not hesitate to board a helicopter during a weekend to help assess the damage to the State's school facilities when damaging floods occurred. Helicopters were the only way to reach many of the facilities because the roads had been washed away or were impassible. Anytime a challenging issue has arisen that no one knew how to resolve, ZDS has stepped up to solve the challenges. Their extensive engineering knowledge of energy efficient systems, HVAC, controls, lighting, power and plumbing systems has always been at the leading edge in the industry, providing innovative solutions that also minimize energy and operating costs. I have always considered their approach in engineering design and commissioning for buildings to be the best and would highly recommend them to anyone.

Their ability to work with the State Fire Marshal and other agencies – while guiding everyone to a practical design approach – always provided each project with the best value. They are much more than excellent design engineers; they also understand the importance of operating and maintaining equipment and have hands-on knowledge to troubleshoot and also commission to ensure our projects were a great success. Their combined engineering design and commission skills prove to be invaluable.

ZDS Design/Consulting Services was also selected to help the WV Department of Education and the School Building Authority in writing new codes and standards to raise the bar for the entire State. They were chosen because their projects were a success while we were having challenges with others. Todd Zachwieja was also asked to teach school facility staff members, and his reference books continue to be used today. I would always think of ZDS first whenever a challenge would occur, knowing I would get the best results possible.

I trust ZDS's staff in their technical expertise and their approach in solving challenging engineering issues and believe that anyone who uses them will be as satisfied as I have been. They are worth it!

Sincerely,

Michael E. Pickens



ELSWICK & ASSOCIATES, LLC

April 15, 2017

To Whom It May Concern:

I am distinctly honored to provide this letter of recommendation for ZDS Design/Consulting Services to your organization. I have known ZDS's principals and many of their staff since working with Ted and Todd Zachwieja at West Virginia Institute of Technology located in Montgomery, WV, from the 1970's, while I was the Physical Plant Director there. That relationship continues through today. Their knowledge of energy efficient systems related to Heating, Ventilating, and Air-Conditioning (HVAC), Building Automation Systems (BAS), lighting, power distribution, and plumbing systems has always been at the cutting edge of the industry. They have routinely provided innovative solutions to complex design challenges while minimizing energy and operating costs and enhancing maintenance efficiency. I have always considered their approach to engineering design and commissioning systems first for higher education, hospitals and schools to be superior and I would recommend them to anyone.

Throughout my career I have continued my working relationship with Ted and Todd Zachwieja and Jim Watters while I was Director of Facilities Management at Charleston Area Medical Center (CAMC), General Division, located in Charleston, WV. During that time, they provided mechanical, electrical, and plumbing (MEP), engineering, and construction administration services for all areas of CAMC's facilities. Their knowledge of health care code and practical design approach always provided the uniqueness required for the scope of the work. They understood the importance of operating and maintaining equipment and used their hands-on knowledge to ensure all our projects were on schedule and within budget. As a matter of fact, Todd led the first energy services performance contract in West Virginia. Through Todd's leadership, CAMC saved in excess of \$800,000.00 annually in energy costs and those savings were used for mechanical, electrical, and infrastructure upgrades at all three CAMC divisions. Ted, Todd, and Jim also assisted in many other projects at all CAMC divisions, including commissioning the work implemented as part of the energy savings program. Their combined engineering design and commissioning skills proved to be invaluable.

I also worked with ZDS Design/Consulting Services while I was Director of Facilities, Planning and Management at Washington & Lee University in the 1990's. They designed, acted as the construction project manager and commissioned the campus chilled water plant and distribution system to address the needs of the growing campus while fast tracking the project from start to finish in just nine months. I would always think of ZDS first whenever I was faced with a challenge, knowing that I would get the best technical expertise available.

513 Havana Dr.
Charleston, WV 25311
304.542.8877

Likewise, ZDS helped establish one of the first performance contracting programs in the State of Ohio's higher education system for Ohio University, saving the Athens campus millions annually while the savings were used for the mechanical, electrical and building automation improvements to generate the savings.

I have the utmost confidence in the technical expertise, the collaborative approach and ethical standards of ZDS Design/Consulting Services. Furthermore, these individuals are truly honorable professionals. In this regard, if you have questions or need additional information, please don't hesitate to contact me.

Sincerely,

A handwritten signature in blue ink, appearing to read "Bill Elswick", with a long, sweeping horizontal stroke extending to the right.

Bill Elswick, MBA, CEO



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

MCA Jobs Challenge Program Renovation

**WYK's REPEAT CLIENTELE
REFERENCES**



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

WYK Repeat Clientele

WYK Associates, Inc.

Amos Carvelli Funeral Home
ARC of Harrison County
Barbour County Board of Education
Barbour County Commission
Citizens' National Bank of Elkins
City Neon
City of Bridgeport
City of Clarksburg
City of Salem
Corhart Refractories
Daisy Development
Diamond Deveioption
Dominion Exploration and Production
Fairmont State University
Fellowship Bible Church
Greathouse Funeral Home
Harrison County Board of Education
Harrison County Bank
Harrison County Commission
Harrison County Courthouse
Harrison County Senior Citizens
Harrison County YMCA
Health Access
Kappa Sigma Pi
Lewis County Board of Education
Louis A. Johnson V.A. Medical Center - Clarksburg
MVB Bank
North Central West Virginia Airport
Pocahontas County Commission
Quiet Dell United Methodist Church
Stockmeier Urethanes
Arnett Carbis Toothman, LLP (formerly Toothman & Rice)
Town of Addison (Webster Springs)
United Hospital Center
United Summit Center
Vienna Public Library
Webster County EDA
West Union Bank
World Vision



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

References

WYK Associates, Inc.

Dr. C. Eric Kirkland, Ph. D, PMP

Executive Vice-President
Salem International University
223 West Main Street
Salem, WV 26426
(304) 782-5011

Dr. Judy P. Byers, Director of Folklife Center

Fairmont State University
1201 Locust Avenue
Fairmont, WV 26554
(304) 367-4861

Martin Howe, City Manager

City of Clarksburg
222 W. Main Street
Clarksburg, WV 26301
(304) 624-1677

Geoff Marshall

Vice-President of Support Services
United Hospital Center
327 Medical Park Drive
Bridgeport, WV 26330
(681) 342-1220

Reta Griffith, GM - Elkins Region

Frontier Communications
(Former, Pocahontas County Commission)
902 3rd Avenue
Marlinton, WV 24954
(304) 799-3994

Steven Haning

Diamond Development, LLC
209 West Pike Street
Clarksburg, WV 26301
(304) 622-1562

Ben Propst

Barbour County Coordinator
8 North Main Street
Phillippi, WV 26416
(304) 457-4339

Dr. Jeffrey Browning, DDS

Total Dental
1219 Johnson Avenue Suite 201
Bridgeport, WV 26330
(304)842-7591

Carrie L. Wallace

County Administrator
Upshur County Commission
91 West Main Street Suite 101
Buckhannon, WV 26201
(304) 472-0535

Dr. Mark Manchin, Superintendent

Harrison County Schools
445 West Main Street
Clarksburg, WV 26330
(304) 642-3300

Dr. Robin Lewis, Superintendent

Lewis County Schools
239 Court Street
Weston, WV 26452
(304) 269-8333

Neil Quinn

Director of Coordinator Services
Harrison County Schools
445 West Main Street
Clarksburg, WV 26301
(304) 326-7300

James A. Harris

(Former, County Administrator of Harrison County)
Executive Director Health Access, Inc.
489 Washington Avenue
Clarksburg, WV 26301
(304) 622-2708

Gary W. Nickerson

Steptoe & Johnson, PLLC
400 White Oaks Blvd.
Bridgeport, WV 26330
(304) 933-8163

Mark Bonamico

Bonamico Construction
424 Lawman Avenue
Bridgeport, WV 26330
(304) 848-2372



WYK ASSOCIATES, INC.
ARCHITECTURE • PLANNING

MCA Jobs Challenge Program Renovation
TESTIMONIALS



Webster County Economic Development Authority

139 Baker Street • Webster Springs, WV 26288 • Phone: (304) 847-2145
Email: wcd@WebsterWV.com • Website: www.WebsterWV.com

February 8, 2016

Mr. James Swiger, President and Principal-In-Charge
WYK Associates, Inc.
205 Washington Avenue
Clarksburg, WV 26301

To Whom It May Concern:

It is my pleasure to recommend WYK Associates, Inc. for your next project. I have had the privilege of working with them on a variety of projects over the last decade. The Information Manufacturing Corporation (I.M.C.) Building in Cowen at our Industrial Park utilizes a geothermal heating and cooling system. The I.M. C Building is a 17,000 S.F. structure with an abundance of daylight in the front office area and houses a spacious open structure work space. This project won a Merit Award in Architecture from the WV Chapter of the American Institute of Architects (WVAIA). The 21,000 S.F. Webster County multi-tenant building was built following completion of the I.M.C. in the same development. The multi-tenant building was designed to accommodate a variety of manufacturing spaces and was uniquely designed to be divided or used as a whole.

Recently we have worked with WYK for the interior renovations to our railroad depot building in Webster Springs and R.V. Park adjacent to the depot. This project is part of a master plan to convert this area into a small commercial/recreation area and possibly a trail head for a local trail system in the near future.

WYK has always been diligent in answering any questions or concerns we might have had. In working with WYK on the depot they worked very hard at designing it to meet our very tight budget constraints. The project was funded by a matching grant and there were no additional monies above and beyond the grant. WYK worked with us to give us the most "bang for the buck" to prepare the depot for its future use as a hub for the adjacent facilities.

We were pleased to work with WYK on these projects and we look forward to working with them again in the future. Please do not hesitate to contact me for additional information or questions.

Sincerely,

A handwritten signature in cursive script that reads "Geary Weir".

Geary Weir
Executive Director



February 8, 2012

To Whom It May Concern,

The City of Shinnston has worked with WYK Associates, Inc., on a variety of projects and has always been impressed by their level of skill, professionalism and commitment to quality. The staff exhibits an expertise in their field and is attentive and attuned to the community they are working in.

Current projects that WYK Associates, Inc., are assisting the City of Shinnston with include the design and construction of the Shinnston Community Building. This \$5 million building is located at the entrance to the City's historic downtown district and WYK have excelled at designing a building sensitive to its location and history, yet able to carry the City into the twenty first century. From initial stakeholder meetings to design presentations, the team at WYK listened to the community's needs and responded accordingly.

The City of Shinnston is also utilizing the planning and design aspect of WYK Associates, Inc., on the former G.C Murphy building project. This project is a detailed feasibility study to assist the City in deciding whether to purchase the hundred year old property. The WYK team has researched the current condition, reviewed code requirements with regard to future development and developed a plan for the highest and best use of the building.

In 2009, WYK Associates Inc., designed and managed the renovation of the City of Shinnston Museum. The Museum now has excellent display space, coupled with galleries for exhibits, and a spacious meeting area. WYK's ability to design space to serve multiple purposes has meant that the Museum is used for government meetings and receptions as well as traditional preservation uses.

The City of Shinnston has been very pleased to partner with WYK Associates, Inc., on these and other projects. From architects to administrative support personnel, the firm exhibits a high commitment to quality and customer satisfaction.

Yours truly,

Emma Clarke
Finance Officer

UPSHUR COUNTY COMMISSION
Upshur County Administrative Annex
91 West Main Street, Suite 101 • Buckhannon, West Virginia 26201

Telephone: (304) 472-0535
Telecopier: (304) 473-2802

TDD Numbers
Business: 472-9550
Emergency: 911

March 10, 2017

WYK Associates, Inc.
205 Washington Avenue
Clarksburg, WV 26301

Re: Upshur County Courthouse Roof and Chimney Projects

To Whom It May Concern:

We recently had the pleasure of working with WYK Associates, Inc. on the roof and chimney restoration for the Upshur County Courthouse in Buckhannon, WV. WYK was instrumental in coordinating with West Virginia's State Historic Preservation Office (SHPO) to ensure the new designs were compatible with the historic character of the building.

For the roof, new metal shingles and flashing replaced existing materials surrounding the bell tower dome and at the front gable. The remaining shingles on the main roof were cleaned and coated with a fibered aluminum coating. For the two chimneys, the existing brick was dismantled and rebuilt from the roof up. Both chimneys were restored to their existing height using similar materials and topped with new stainless steel caps.

WYK brought their experience, knowledge, and professionalism to both projects as they expertly developed the new design, created the construction documents, facilitated the bidding process, and administered the construction contract. WYK's attentiveness and responsiveness contributed to both projects being successfully completed on time and within budget.

The Upshur County Commission is fortunate to have worked with a competent architect such as WYK Associates and looks forward to working with them again.

Sincerely,



Carrie L. Wallace

Upshur County Administrator

An Equal Opportunity Employer



CITY OF CLARKSBURG

WEST VIRGINIA

OFFICE OF
CITY MANAGER

November 7, 2016

James Swiger, President and Principal-In-Charge
WYK Associates, Inc.
205 Washington Ave.
Clarksburg, WV 26301

Re: Letter of Appreciation

Dear James:

It is with great pleasure that I am writing this letter of recommendation and appreciation for James Swiger and the entire team at WYK Associates, Inc. I have thoroughly enjoyed working with Mr. Swiger and his staff. James and his team are courteous and professional and have been dedicated to even the smallest of details for each project they have completed for the City of Clarksburg. Additionally, they have ensured the projects were always on time.

Over the years, James and the staff at WYK Associates, Inc. have completed multiple projects for the City of Clarksburg including a Police Sub-Station in Laurel Lanes, three (3) Fire Stations in Clarksburg which include the Central Fire Station in downtown, and two (2) sub-stations; the East End and North View Stations, as well as designing the Jackson Square Parking Facility. Jackson Square is used for downtown parking with an outdoor venue utilized for outside events. Everything from farmers' markets, wedding receptions, holiday events and festivals like the West Virginia Italian Heritage Festival's Pasta Cook-Off. I am proud to share that WYK was awarded the AIA West Virginia Merit Award for Achievement in Architecture for this project.

I personally look forward to working with WYK Associates, Inc. again and would highly recommend them to other local governments for use on their projects.

Sincerely,


Martin Howe, ICMA-CM
City Manager



1219 Johnson Avenue, Suite 201
Bridgeport, WV 26330

304-842-7591

To whom it may concern:

It is with great pleasure that I am writing this letter of recommendation for James Swiger and the entire WYK team.

When I was starting my building project, I asked several people for recommendations. I spoke with contractors, businessmen, and people who had been through construction projects. Overwhelmingly, the one name that was mentioned was James Swiger.

Every aspect of the project that James was involved with was done with great care and excellence, from the initial design of the building, to coordinating all of the work, and even now that the building is complete. James was and is available to answer my questions and to help in any way that I ask. I honestly cannot remember a single incident that James or a WYK team member was not available. I feel that his knowledge of and rapport with the engineers, contractors, and inspectors was a tremendous asset to the project. His attention to detail would amaze me. It is obvious that he takes great pride in his work. His professionalism and level of commitment is beyond what would be expected. I would visit my construction site every evening after work and on the weekends, and often times James would show up.

Finally, as the saying goes, the proof is in the pudding. The finished product is a thing of beauty. My patients are always commenting about the building. My building is the perfect space for my dental practice as well as the other tenants.

Please feel free to contact me if I can be of further assistance.

Sincerely,

Jeffrey W Browning, DDS



400 White Oaks Boulevard
Bridgeport, WV 26330
(304) 933-8000 (304) 933-8183 Fax
www.steptoe-johnson.com

Writer's Contact Information
(304) 933-8163
Gary Nickerson@steptoe-johnson.com

March 10, 2016

To Whom It May Concern:

I am presently the managing partner of the Bridgeport, West Virginia, office of Steptoe & Johnson PLLC, a national law firm of over 300 lawyers in six states. S&J has its roots in Harrison County, West Virginia, where it was formed in 1913 in Clarksburg. Our firm maintained its primary office in downtown Clarksburg for almost 100 years.

Recognizing that the facility in Clarksburg could no longer meet the needs of a growing national law firm, in 2008, we made the decision to build a new home office, strategically located in Bridgeport, West Virginia, along the I-79 Corridor. We retained SKB Architects, a firm known worldwide for the design of law firm buildings. Because SKB was not local to this area, both SKB and our firm recognized the critical need to have a local architectural firm be actively involved in the design and construction of the 80000 square foot state-of-the-art office building. Without hesitation, we recommended WYK Associates, Inc. to SKB, having known the architects of this firm and the quality of their work for several decades.

Specifically, from day one, WYK performed oversight of the project, serving as an important liaison between SKB, the S&J's building committee and the construction firm. Initially, WYK Associates, Inc. provided a peer review of SKB's design and construction documents prior to the documents being released to contractors for bidding. With SKB and our firm's building committee, WYK was actively involved in the contractor interview and selection process for the \$16 million building, designed to LEED standards. The assistance of James Swiger of WYK was of critical importance to S&J's selection of a contractor and that selection proved to be outstanding. Moreover, WYK attended all construction meetings with SKB, the firm's executive director, the contractor and sub-contractors throughout the course of the construction period. WYK also served as the "eyes and ears" for SKB, making site visits and reporting back to SKB-- on the "off" weeks that SKB was not present at the site-- as a means of quality control as well as verifying construction conditions for SKB. WYK was active in the job site meetings, offering input and solutions to any construction related issues that arose throughout the course of the construction process. In the end, the project was a resounding success for our firm and we moved into our beautiful, state-of-the-art facility, in August, 2010.

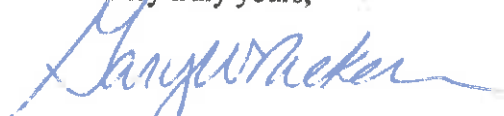
From S&J's standpoint, WYK provided our firm's "safety net" and "comfort zone" throughout the entire process, being a longstanding and respected firm of architects who we have known and trusted for decades. Despite our large size, we had never built our own building, and had leased in all office locations throughout our century of existence. James

March 10, 2016

Page two

Swiger and WYK Associates, Inc. provided a much needed comfort level to our lawyers as well as a level of service and oversight that was of critical importance to the successful completion of the project, on time and on budget. As the office managing member, and as an active member of the S&J building committee, I cannot imagine our law firm completing this beautiful facility without WYK in our corner. Should you have any questions, please feel free to call me.

Very truly yours,

A handwritten signature in blue ink, appearing to read "Gary W. Nickerson". The signature is fluid and cursive, with a long horizontal stroke at the end.

Gary W. Nickerson

GWN
7133013.1



February 5, 2016

To whom it may concern:

I am very pleased to write this letter on behalf of WYK Associates, Inc. of Clarksburg. Our century old school building was in desperate need of additional classroom and office space. We were faced with a sudden increase in enrollment for the upcoming school year for the Pre-Kindergarten class. The Wheeling-Charleston Diocese asked me to contact WYK to explore solutions to utilize the most space within our tight budget and timeframe. The Diocese spoke very highly of WYK as the firm had recently completed a new parish center for our associated church and they also performed other renovations to our school as well as our neighboring Notre Dame High School.

James Swiger and his staff diligently studied our building, exploring every option of gaining Pre-Kindergarten classroom space. Another challenge of the project was the requirement of the Pre-K to be located on the main floor for direct exiting requirements. The ultimate solution was to move the principal's office to the center of the school, utilizing the back of the oversized existing auditorium, under what was once a balcony. This created four new private offices for our administration in addition to a much needed conference room. The old office space was removed, thus expanding the adjacent classroom into that area. This kept the Pre-K on the main floor, made our offices more centrally located and increased visibility and security to all three entrances to the main floor level. They kept insisting they wanted to solve as many design issues within the school as they could while doing this renovation. They did just that!

WYK's staff was very professional, experienced, thorough and timely. They produced a wonderful design that fit within our budget and allowed for minimal disruption to the school. They worked closely with the contractor, which assisted him in completing the work in our shortened summer vacation.

It is without reservation that I highly recommend WYK Associates, Inc. for your project. I can now see why the Diocese asked me to contact WYK to execute this work.

Sincerely,

A handwritten signature in blue ink that reads "Nicole A. Folio". The signature is written in a cursive style.

Nicole A. Folio, M. Ed.
Principal



LEWIS COUNTY SCHOOLS

239 Court Avenue
Weston, West Virginia 26452
Telephone (304) 269-8300
Fax (304) 269-8305

Superintendent
Dr. Joseph L. Mace

February 4, 2016

Board of Education
Paul Derico, President
Debbie Clem
Sylvia McNeish
Robert Mitchell
Michael Monachello

Mr. James Swiger
President/Principal-In-Charge
WYK Associates, Inc.
205 Washington Avenue
Clarksburg, WV 26301

To Whom It May Concern:

I am writing this letter on behalf of WYK Associates, Inc. and it is my pleasure to recommend Mr. James Swiger and the WYK Associates, Inc. team.

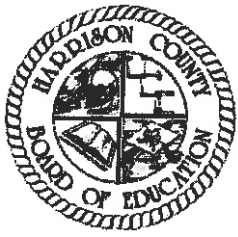
For many years I have worked with the WYK team on multiple projects for Lewis County Schools including the construction of Peterson Central Elementary School and Outdoor Classroom; Roanoke Elementary School; Lewis County High School Bleachers; Lewis County High School Concession Stand; Robert Bland Field House Addition; and security upgrades for the Lewis County Board of Education. Lewis County Schools have greatly benefited from the skills and expertise of WYK Associates, Inc.

James and the team at WYK offer professionalism at its best and I have enjoyed working with them over the years. WYK has always offered sound architectural options while being conscientious of financial constraints. The team at WYK has always been readily available for questions or concerns and has always given Lewis County Schools superior service in a timely manner. Lewis County Schools would welcome the opportunity to work with WYK Associates, Inc. on future projects, and I would strongly recommend them to other School Boards and organizations.

Please do not hesitate to contact me for further information or questions.

Sincerely,

Dr. Joseph Mace, Superintendent
Lewis County Board of Education



DR. MARK A. MANCHIN
Superintendent

HARRISON COUNTY SCHOOLS

408 E. B. SAUNDERS WAY
POST OFFICE BOX 1370
CLARKSBURG, WEST VIRGINIA 26302-1370
(304) 326-7300
FAX (304) 624-3361

BOARD OF EDUCATION
DOUGLAS K. HOGUE, *President*
FRANK DEVONO, JR. *Vice President*
MICHAEL DAUGHERTY
GARY M. HAMRICK
KRISTIN MESSENGER

August 18, 2015

Mr. James Swiger
President and Principal-In-Charge
WYK Associates, Inc.
205 Washington Avenue
Clarksburg, WV 26301

To Whom It May Concern:

It is my pleasure to write this letter on behalf of WYK Associates, Inc. and recommend Mr. James Swiger and the WYK Associates, Inc. team.

For over 20 years I have worked with WYK team on numerous projects for Harrison County Schools and they have proven to be a valuable asset to the school district. We have greatly benefitted from the expertise and architectural skill of WYK Associates. James and his team are true professionals and bring important architectural knowledge and outstanding management skills to their projects. James and his team are active supporters of Harrison County and show leadership in our community.

James and the team at WYK have always been conscientious of financial constraints and have always delivered superior service in a timely manner for Harrison County Schools. Harrison County Schools would not hesitate to work with WYK Associates on future projects, and I would recommend them to other organizations without reservation.

Please do not hesitate to contact me for further information or questions.

Sincerely,

A handwritten signature in blue ink that reads "Neil Quinn".

Neil Quinn, Director
Harrison County Schools



**HARRISON COUNTY YMCA
Lowndes Hill Park
P.O. Box 688
Clarksburg, WV 26302-0688
304-623-3303**

August 14, 2015

To whom it may concern:

WYK Associates serve their clients with thoughtful planning; creative design; and credible engineering. Their professional skill is underscored by impeccable character and generosity to their community.

Commending WYK Associates to prospective clients comes from personal experience and observation of projects completed for others. Their talent and high standards will serve you well.

Sincerely,

MX

D. Max Francis
Interim Executive Director

August 13, 2015

Mr. James Swiger
President and Principal-In-Charge
WYK Associates, Inc.
205 Washington Avenue
Clarksburg, WV 26301

Dear James,

I would like to take this opportunity to express our satisfaction with Premier Bank's Flatwoods Branch. I was the Executive Vice President of the Bank of Gassaway when the branch was constructed and all of us at the Bank of Gassaway were well pleased with your design and project management of the branch.

The branch stands out from the other businesses in the area and we regularly are complimented on its appearance. The branch is very functional and it serves our customers well.

Thank you for your excellent work on the project.

Jim McQuain
Senior Vice President
304-364-5138 ext 1701
jimmy.mcquain@premierbankinc.com



July 16, 2015

Mr. James B. Swiger
President and Principal-In-Charge
WYK Associates, Inc.
205 Washington Avenue
Clarksburg, WV 26301

Dear James,

Please consider this letter my recommendation of you and the staff at WYK Associates based on the projects completed for United Hospital Center. UHC was pleased to work with WYK on a variety of projects at our hospital facilities and we were impressed with your level of skill, professionalism, and commitment to quality. The staff at WYK exhibits a high-level of expertise in their field and was attentive to the needs of the hospital and our objectives.

United Hospital Center hired WYK Associates, Inc. to redesign two existing physician office suites in our multi-tenant facility and the jobs included a complete demolition of the existing offices. In addition to the multi-tenant building, WYK also renovated United Hospital Center's Cardiac Rehabilitation Center, Physical Therapy Suite, and Sleep Center.

I am confident that the work completed by WYK Associates, Inc. at United Hospital Center will be instrumental in better serving our patients and community and we are pleased with the results. I would be happy to recommend WYK and express my pleasure in working with the firm on the various projects at United Hospital Center. I would also welcome the opportunity to work with WYK Associates, Inc. again in the future.

Sincerely,


Geoff Marshall
VP Support Services

BOB TRICKETT

Cadillac Buick GMC Inc.

GMC



P.O. Box 809, Route 50, East • CLARKSBURG, WEST VIRGINIA 26301 • (304) 624-6594

February 5, 2016

Mr. James Swiger
President and Principal-In-Charge
WYK Associates, Inc.
205 Washington Avenue
Clarksburg, WV 26301

To whom it may concern:

It is with great pleasure that I am writing this letter of recommendation for James Swiger and the entire WYK Associates, Inc. team.

WYK Associates, Inc, renovated the Bob Trickett Cadillac Buick GMC dealership located on old Bridgeport Hill. Throughout the entire process, WYK was available any time to answer any questions or concerns I had. WYK was able to complete our project on time and adhere to our budget. WYK had an excellent rapport with the project engineers, contractors and inspectors. Our newly renovated building is easily the most attractive building on Old Bridgeport Hill now.

James and the team at WYK are professional and courteous. I would not hesitate to recommend WYK Associates, Inc. to other car dealerships or businesses for their architectural services.

Please contact me for further information or questions.

Sincerely,

Mr. Robert W. Trickett, Owner
Bob Trickett Cadillac Buick GMC

James B. Swiger, AIA, NCARB, LEED AP

President/Principal

WYK Associates, Inc.

205 Washington Avenue

Clarksburg, WV 26301

Salem International University has benefited from the expertise, professionalism and friendship of Mr. James Swiger for a number of years. WYK and Mr. Swiger, specifically, have aided the University in planning and execution of renovations. He has helped identify regulations and options as well. He is always mindful of financial constraints and deadlines while delivering quality work products.

He has worked with the community of Salem on a number of efforts sometime as a partner with the University, the Chamber of Commerce and others. Salem International University is pleased to recommend WYK and James Swiger for consideration for any architectural/engineering project that is under consideration. He and his team take pride in their work, and all are conscientious and professional. That reflects on his leadership.

As loyal supporters of the University and the Salem Community, Mr. Swiger and his team are community advocates that we treasure. We would be more than pleased to be contacted if further information is required.



Dan Nelant

President

Salem International University



Keith Bullion

Associate Director of Campus Operations

Salem International University



Health Access, Inc.

489 Washington Avenue • Clarksburg West Virginia 26301
Phone 304-622-2708 • Fax 304-623-9302 • E-mail healthnac@marrr.com • Web www.healthaccessinc.org

July 10, 2015

James B. Swiger, AIA, NCARB, LEED AP
President / Principal
WYK Associates, Inc.
205 Washington Avenue
Clarksburg, WV 26301

RE: Letter of Recommendation

Dear Mr. Swiger:

Health Access, Incorporated first hired WYK Associates, Inc. in 2010 to design, plan and manage a project to completely renovate the medical clinic located at 489 Washington Avenue in Clarksburg, West Virginia. The project had a total cost of over \$350,000.00 and a very tight time frame of ninety days from start to finish. Another very challenging aspect to our project was the need to keep our Pharmacy operational to fill prescriptions during the entire ninety days of construction. From the outset, WYK Associates exhibited great attention to the details of our operation and our specific space and functionality needs within this medical facility and this was an outstanding feature of our relationship with the company. We found your willingness to make changes in the design phase as required by our budget limitations so helpful in bringing forward the very best design that our agency could afford.

Throughout this entire project, your "hands on" approach in managing the project made this experience very rewarding for our agency Board of Directors, Staff and ultimately for our many patients. The contractors that WYK Associates invited to bid on the project were all top of the line in our area and I'm confident that any one of them would have done excellent work, however we were extremely satisfied with the successful bidder; Elkview Builders, Inc.

In addition to the major renovation project in 2010, Health Access, Inc. once again engaged the services of WYK Associates, Inc. for a smaller project in 2014. That project involved renovation of a space to install a small employee restroom within the clinical spaces and also the modification of five exam room doors to install sound seals that afford privacy and confidentiality of patient-provider discussions in those areas. Again we were delighted with the process in working with WYK Associates in this project which was completed in a timely manner, within budget and without disruption to the operation of the clinic which remained open during the entire project.

James B. Swiger

Page -2-

Please feel free to use Health Access, Incorporated as a reference to any potential clients seeking Architectural, Planning-Design or Project Management services. We can certainly recommend WYK Associates, Incorporated without reservation as we are a very satisfied customer. Thank you again for your efforts to make this beautiful new home for the free clinic and the hundreds of low income uninsured patients we are privileged to serve.

Sincerely,


James A. Harris, Executive Director

March 10, 2011

Mr. James B. Swiger, AIA
President / Principal-In-Charge
WYK Associates, Inc.
205 Washington Avenue
Clarksburg, WV 26301

Dear James:

This letter is in appreciation of all the work WYK Associates has provided to the Pocahontas County Commission and myself over the last year. I have thoroughly enjoyed working with your company and have appreciated the professionalism and dedication you have given our projects.

Due to the historic nature of the Pocahontas County Courthouse I knew there would be surprises in replacing the roof and installing an elevator. WYK was very creative in overcoming these challenges and researching alternatives that would fit within the budget of funds we had to use for this project. I have also enjoyed the consistent and timely communication you provided while I was managing the project for the County Commission. You never failed to respond to a request, and even provided direction when we were at a loss as to how to proceed.

I would highly recommend your company for other projects with local governments or in the private sector.

Thank you again for all your assistance.

Reta Griffith

Sincerely,
Reta Griffith
Former Commissioner, Pocahontas County (1998-2010)
RR 1 Box 122A
Marlinton, WV 24954
304-799-4523
retagriffith@frontiernet.net



131 WEST MAIN ST. • BRIDGEPORT, WEST VIRGINIA 26330-6310
Phone: (304) 842-8251 • Fax: (304) 842-8254 • www.bridgeportwv.com
CHUCK FEATHERS • BRIDGEPORT FIRE DEPARTMENT
Chief

September 20, 2010

Mr. James B. Swiger
WYK Associates, Inc.
205 Washington Avenue
Clarksburg, WV 26301

Dear Mr. Swiger,

It has been almost a year now since we moved into our new Public Safety Substation and I wanted to take a moment to thank you for all you did in insuring the success of our building. It is more than we expected when we first started this project. Your detail to our requests as we started this project is what has made it such a workable project. You took our words on what we wanted and turned them into a state of the art public safety building that is not just pleasing to the eye but very functional.

Throughout the project as problems rose you were quick to find answers that worked for our needs and decisions evolved around our needs instead of what worked best for others.

Thank you again for all the great work you did for us and the building stands as a tribute to you and your firm for a job well done. If I can be of assistance to you in the future just let me know.

Sincerely,

A handwritten signature in black ink, appearing to read "C. A. Feathers", written in a cursive style.

Charles A. Feathers, Chief

Bridgeport Fire Department

TOWN OF GASSAWAY

RICHARD M. ROACH, MAYOR

CHERRI WILSON-GERWIG, RECORDER/CLERK

RICK A. BURROWS, SR. CHIEF OF POLICE

COMMON COUNCIL

JIM MALICK

FRANCES CLAYTOR

JIM CRINER

LYNN JEFFRIES

EDNA WILSON

Jordan Garland
205 Washington Avenue
Clarksburg, West Virginia 26301

I am writing to recommend the services of WYK Architects'. WYK did an outstanding job on the restoration of the Gassaway Depot. Their knowledge and attention to detail made the restoration of the Gassaway Depot a success. I feel confident in recommending WYK Architect services. Their work was not only thorough but they were also easy to work with, and willing to take the time to discuss any concerns and responses to any questions.

If you have any further questions please feel free to contact me.

Regards,



Richard M. Roach, Mayor

416 ELK STREET, P.O. BOX 147
GASSAWAY, WV 26624
304-364-5111
304-364-4003 FAX
THETOWNOFGASSAWAY@FRONTIER.COM