WYK associates, inc
architecture
planning

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Office and Maintenance Facility near Grantsville

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Letter of Interest
WYK Associates, Inc.

October 6, 2009

Mr. Frank Whittaker, Senior Buyer
Purchasing Division
P.O. Box 50130
Charleston, WV 25305 –0130

Re: Expression of Interest #PTR10011

Dear Mr. Whittaker:

WYK Associates, Inc. and our project team wish to express our strong interest in providing complete A/E Services for this project. Our Project Team includes all of the professional disciplines required for the various types of projects identified in the Request for Expressions of Interest. We have provided A/E Services for a wide variety of projects of varying size, scope and building type. This work has included projects for maintenance and storage of school busses, fire equipment, snow removal and maintenance equipment and airplanes. Our project experience also includes shipping and storage facilities, as well as administrative facilities for warehousing and public transportation systems. We have provided services for projects with multiple contracts and fast track procurement of construction contracts.

As you will see in the attached information, we have a well organized and experienced team and an understanding of the project scope and procurement process. We thank you for your consideration, and hope that we will have an opportunity to present our team and its expertise as a part of the interview process.

Sincerely,

WYK Associates, Inc.
William E. Yoke Jr., AIA
Principal in Charge

Buyer: FW-44 Page:_____ PO# PTR10011
Spending Unit: Division of Public Transit
Department of Transportation

BID FORM # 1: Letter of Intent

Name of Bidder/Offeror's firm: WYK Associates, Inc.

Address: 205 Washington Avenue / PO Box 1484

City: Clarksburg State: WV Zip Code: 26301

Name of DBE firm: To Be Determined

Address: _____

City: _____ State: _____ Zip Code: _____

Telephone: _____

Description of work to be performed by the DBE firm:

_____

To Be Determined

_____

By: _____ President
(Signature) (Title)

If the Bidder/Offeror does not receive award of the prime contract, any and all representations in this Letter of Intent and Affirmation shall be null and void.

(Submit this page for each DBE subcontractor.)

Buyer: FW-44 Page:_____ PO# PTR10011
Spending Unit: Division of Public Transit
Department of Transportation

BID FORM #2: DISADVANTAGED BUSINESS ENTERPRISE (DBE) UTILIZATION

The undersigned Bidder/Offeror has satisfied the requirements of the bid specification in the following manner (please check the appropriate space):

_____ The Bidder/Offeror is committed to a minimum of 5.3% DBE utilization on this contract.

__X__ The Bidder/Offeror (if unable to meet the DBE goal of 5.3%) is committed to a minimum of 5.3% DBE utilization of this contract and submits documentation demonstrating good faith efforts.

Name of Bidder/Offeror's firm: WYK Associates, Inc.

By: _____ President
(Signature) (Title)

BID FORM#3

LYK Associates, Inc herby certifies that it IS or IS NOT (specify one) included on the U.S. Comptroller General's Consolidated List of Persons or Firms Currently Debarred for violations of Various Public Contracts Incorporating Labor Standards Provisions.

10/06/09
Date

Authorized Signature

President
Title

LYK Associates, Inc
Company Name

BID FORM #4

CERTIFICATION OF PRIMARY PARTICIPANT REGARDING DEBARMENT, SUSPENSION, AND OTHER RESPONSIBILITY MATTERS

The Primary Participant (applicant for an FTA grant or cooperative agreement, or potential contractor for a major third party contract),

WYK Associates, Inc. (COMPANY NAME) certifies to the best of its knowledge and belief, that it and its principals:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;

2. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;

3. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (2) of this certification; and

4. Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

(If the primary participant (applicant for an FTA grant, or cooperative agreement, or potential third party contractor) is unable to certify to any of the statements in this certification, the participant shall attach an explanation to this certification.)

THE PRIMARY PARTICIPANT (APPLICANT FOR AN FTA GRANT OR COOPERATIVE AGREEMENT, OR POTENTIAL CONTRACTOR FOR A MAJOR THIRD PARTY CONTRACT),

WYK Associates, Inc., CERTIFIES OR AFFIRMS THE TRUTHFULNESS AND ACCURACY OF THE CONTENTS OF THE STATEMENTS SUBMITTED ON OR WITH THIS CERTIFICATION AND UNDERSTANDS THAT THE PROVISIONS OF 31 U.S.C. SECTIONS 3801 ET SEQ. ARE APPLICABLE THERETO.

W. L. Echols, President
Signature and Title of Authorized Official

BID FORM #5

CERTIFICATION OF RESTRICTIONS ON LOBBYING

The undersigned (Vendor, Contractor) certifies, to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for making lobbying contacts to an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions. [as amended by "Government Wide Guidance for New Restrictions on Lobbying," 61 Fed. Reg. 1413 (1/19/96). Note: Language in paragraph (2) herein has been modified in accordance with Section 10 of the Lobbying Disclosure Act of 1995 (P.L. 104-65, to be codified at 2 U.S.C. 1601, et seq.)]

3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such failure. [Note: Pursuant to 31 U.S.C. § 1352(c)(1)-(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than $10,000 and not more than $100,000 for each such expenditure or failure.]

The Vendor, WYK ASSOCIATES, INC., certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Vendor understands and agrees that the provisions of 31 U.S.C. § 3801, et seq., apply to this certification and disclosure, if any.

10/06/09 _____
Date

_____
Authorized Signature

PRESIDENT
Title

BID FORM#6

RFQ No. _____

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

West Virginia Code §5A-3-10a states: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate

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

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

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

LICENSING: Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY: The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit **www.state.wv.us/admin/purchase/privacy** for the Notice of Agency Confidentiality Policies.

Under penalty of law for false swearing (West Virginia Code, §61-5-3), it is hereby certified that the vendor acknowledges the information in this said affidavit and are in compliance with the requirements as stated.

Vendor's Name: KMK Associates Inc

Authorized Signature: _____ Date: 10/06/09

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William E. Yoke, Jr., AIA – President
James B. Swiger, AIA – Vice President

Who We Are:

- WYK Associates, Inc. is a six-person architectural and planning firm serving a wide variety of commercial, religious, educational, civic and industrial clientele. Carleton Wood, Jr. was a third generation architect. His 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. Our archives are filled with a century's worth of historic work.
- Mr. William Yoke, president of the firm, assumed that role in 1996 upon Mr. Wood's retirement. Mr. Kelley had previously retired in the early 1990's.
- Mr. James Swiger, joined the firm in 2005 and became a principal and vice president in 2008.

Our Project Philosophy:

- 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.
- Our client's requirements for quality, service and value are the driving force behind each decision. Open communication and teamwork are our guide words for each project.

Project Management:

- 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 insure 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.

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Project Team

Office and Maintenance Facility near Grantsville

ARCHITECTURE

WYK Associates, Inc.
205 Washington Avenue
P.O. Box 1484
Clarksburg, WV 26301
(304) 624-6326
(304) 623-9858 fax
bill@wykarchitects.com

CIVIL ENGINEER

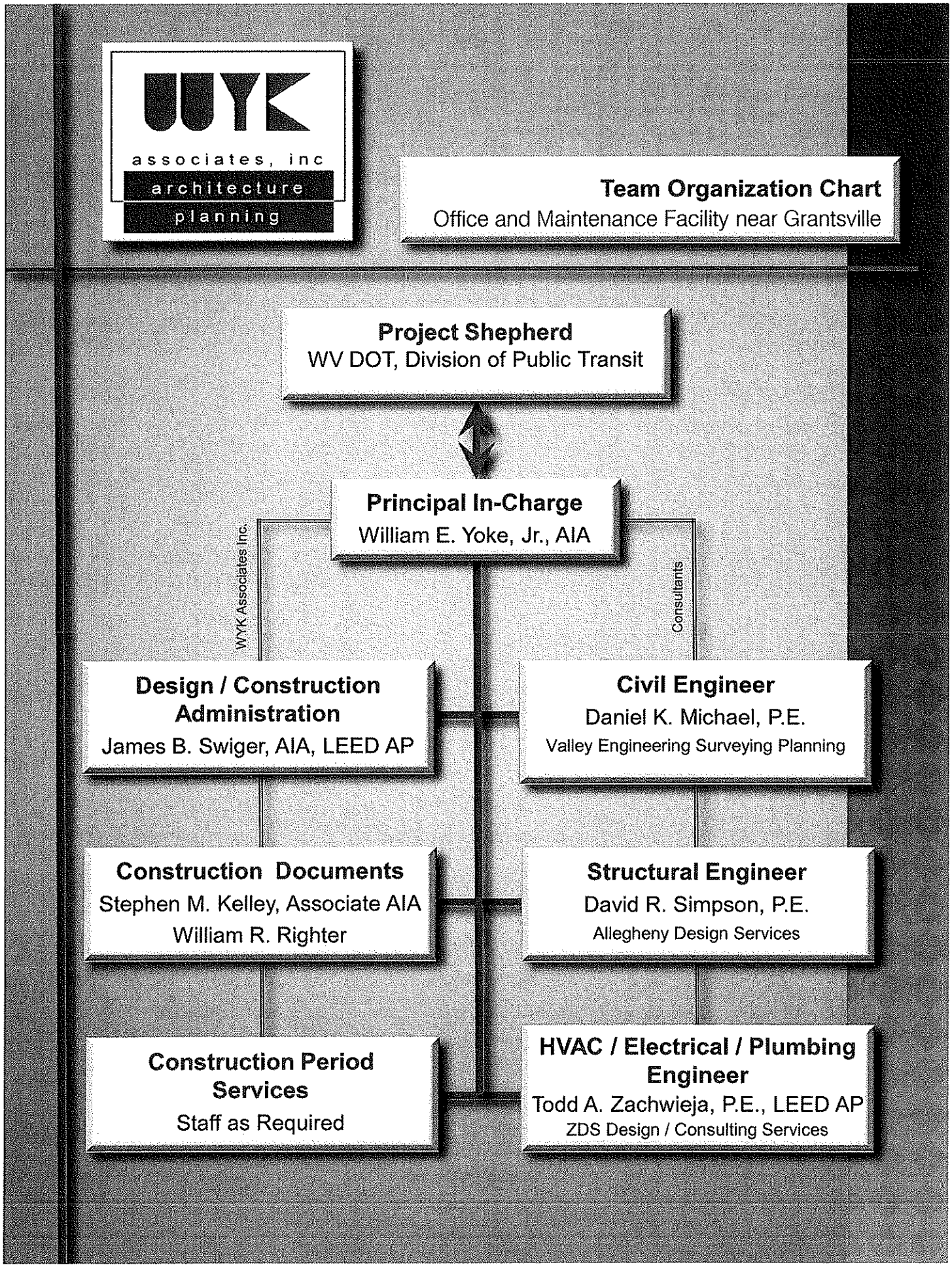
Valley Engineering Surveying Planning
3231 Peoples Drive.
Harrisonburg, VA 22801
(540) 434-6365
(540) 432-0685 fax
dmichael@valleyesp.com

STRUCTURAL ENGINEER

Allegheny Design Services, Inc.
102 Leeway Street
Morgantown, WV 26505
(304) 599-0771
(304) 599-0772 fax
dave@alleghenydesign.com

HVAC / ELECTRICAL / PLUMBING ENGINEER

ZDS Design / Consulting Services
91 Smiley Drive
St. Albans, WV 25177
(304) 755-0075
(304) 755-0076 fax
ZDSDesign@aol.com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Team Organization Chart
Office and Maintenance Facility near Grantsville
Project Shepherd
WV DOT, Division of Public Transit
Principal In-Charge
William E. Yoke, Jr., AIA
WYK Associates Inc.
Consultants
Design / Construction Administration
James B. Swiger, AIA, LEED AP
Civil Engineer
Daniel K. Michael, P.E.
Valley Engineering Surveying Planning
Construction Documents
Stephen M. Kelley, Associate AIA
William R. Righter
Structural Engineer
David R. Simpson, P.E.
Allegheny Design Services
Construction Period Services
Staff as Required
HVAC / Electrical / Plumbing Engineer
Todd A. Zachwieja, P.E., LEED AP
ZDS Design / Consulting Services

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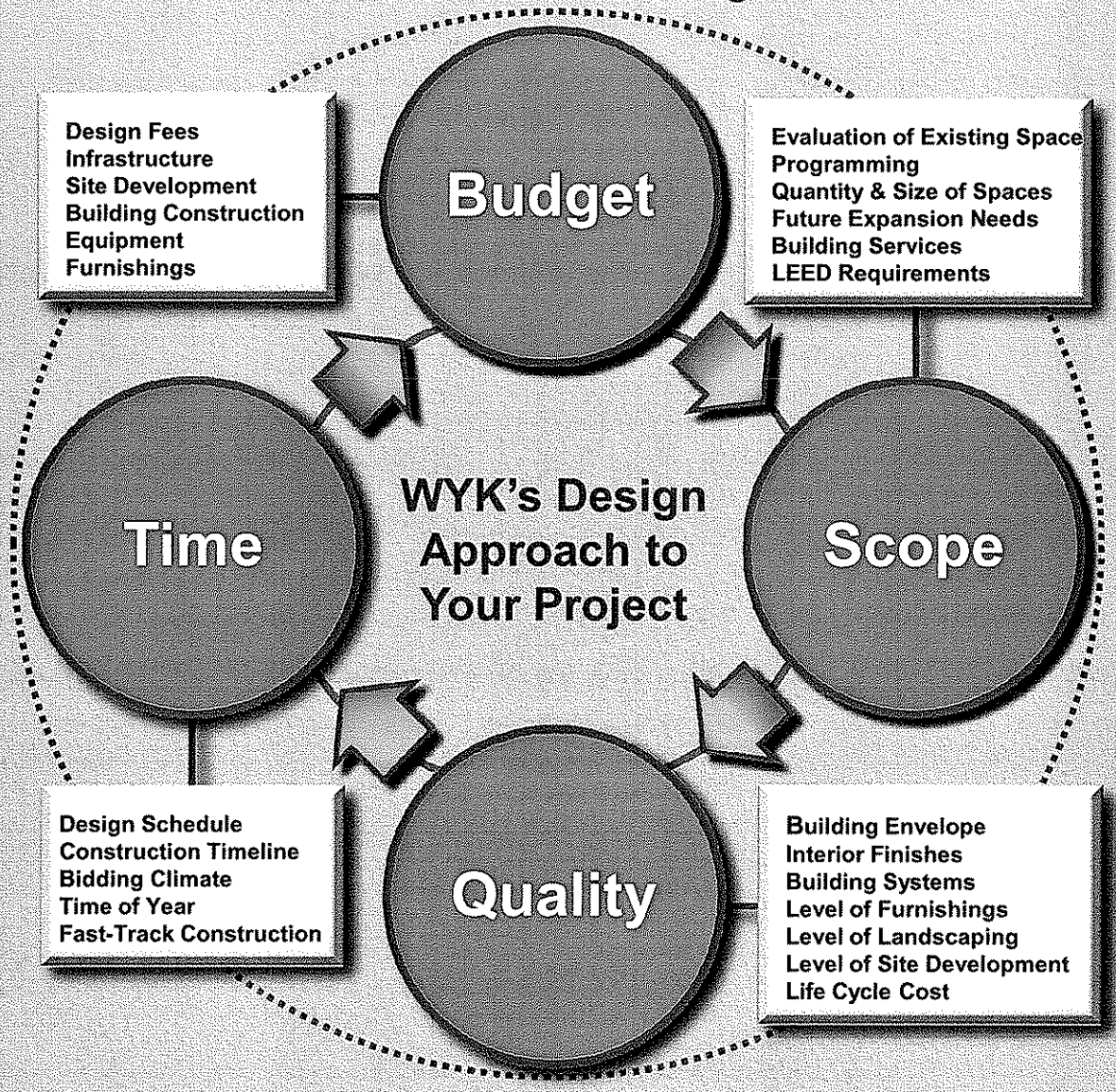
WYK's Design Approach to Your Project

Office and Maintenance Facility near Grantsville

Architecture is a Balancing Act.....



.....A Change In One Affects the Others

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Stockmeier Urethanes
Clarksburg, West Virginia

Stockmeier Urethanes

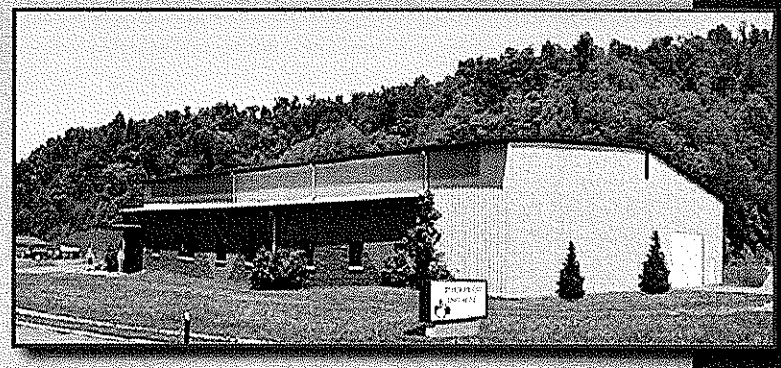
Size: 32,500 S.F.

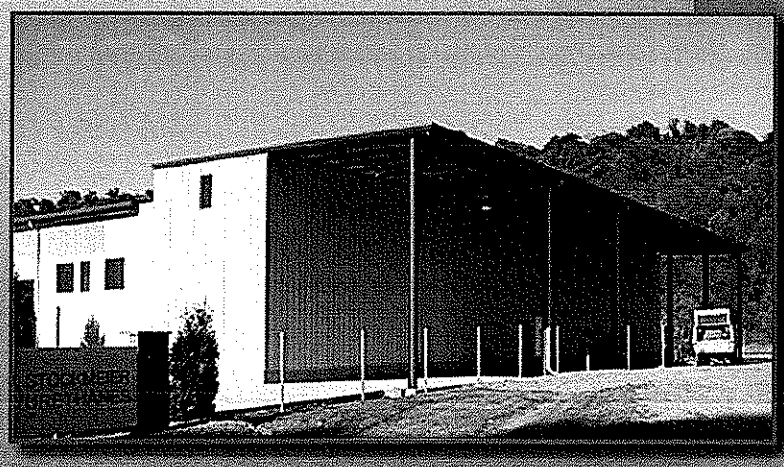
This is the third facility for this international manufacturer of industrial grade polyurethane. Headquartered in Germany, Stockmeier will now have the flexibility to reach markets in North and South America and to deal in both Euros and dollars.

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 is currently working on a design to expand this facility. This will add 7,800 S.F. of warehouse space as well as an additional loading dock with a shipping receiving area.





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West Virginia Army National Guard
Fixed Wing Training Site

North Central WV Airport, Bridgeport, West Virginia

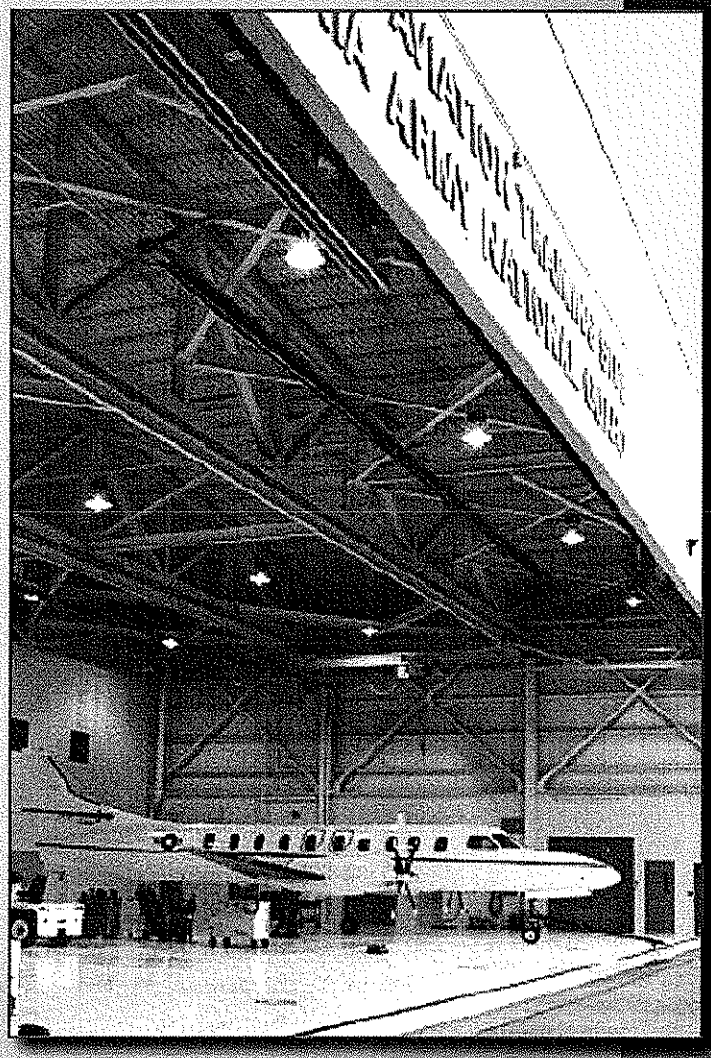
West Virginia National Guard
Armory Board

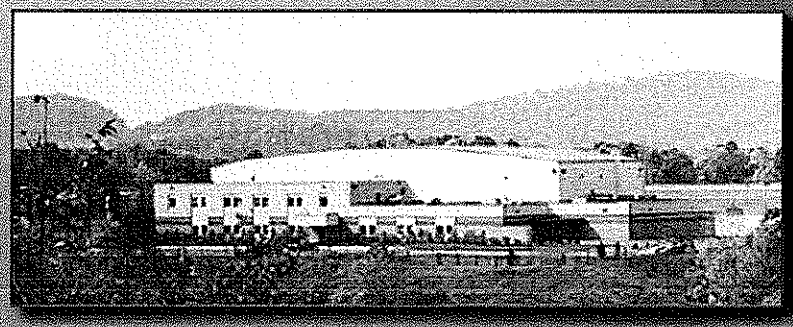
Size: 37,000 S.F.

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 hanger 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.





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Calhoun County Branch Bank

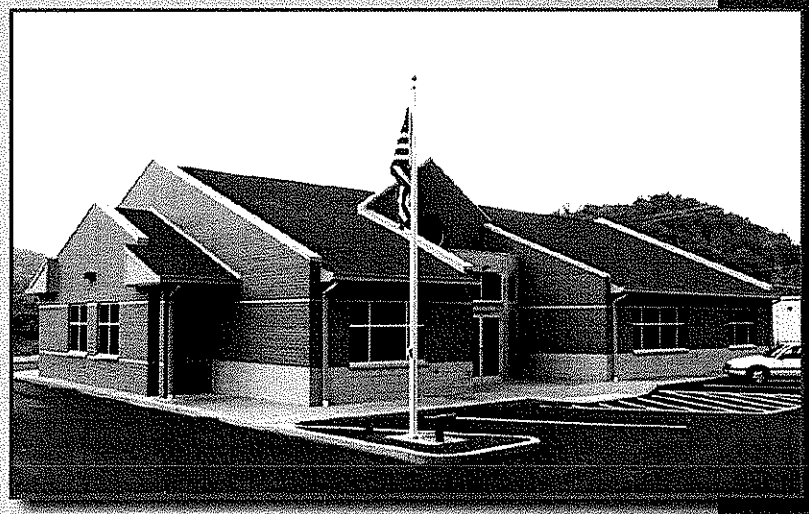
Glenville, West Virginia

Calhoun County Bank
Glenville Branch

Size: 4,500 S.F.

The Glenville Branch of Calhoun Banks replaces a small, existing facility that was located in a flood hazard area. The new location, near a busy commercial intersection, provided the opportunity to develop a new, distinct image for Calhoun Banks in the Glenville community. The building, which includes a vault and expansion space, has clearly defined public and private areas designed around an open, light filled lobby. The generous private offices and conference room provide much more flexibility to the bank's employees for meetings, closings and other transactions involving individuals or groups.

The exterior of the building features a combination of brick and architectural concrete masonry and a series of gable roofs, which are clearly defined by complimentary copings and trim. The building is supported by a caisson and grade beam foundation, and a vent system below the floor prevents the accumulation of natural gas, which is present in the area. Both its location and distinctive, flexible design will allow this branch of Calhoun Banks to grow and be a strong presence in the Gilmer County business community .



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West Virginia Air Center

North Central WV Airport - Bridgeport, West Virginia

West Virginia Air Center

Size: 146,000 S.F.

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, and that the facility met all the detailed criteria for certification as an aircraft maintenance facility.

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World Vision Storehouse – Additions and Renovations

Philippi, West Virginia

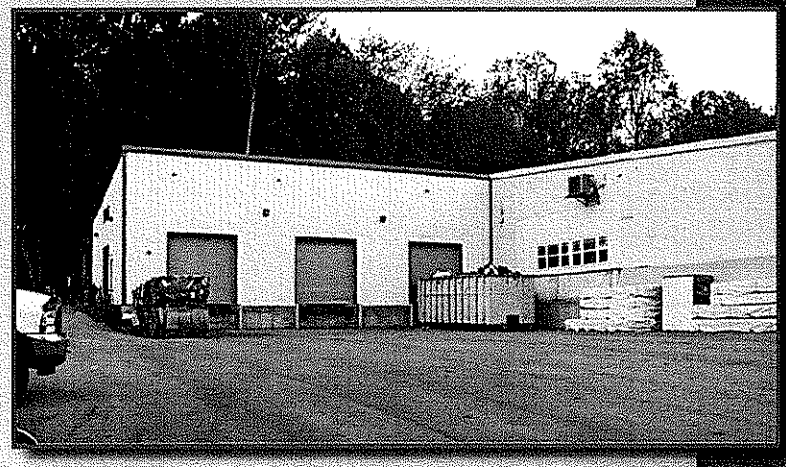
World Vision Storehouse Additions and Renovations

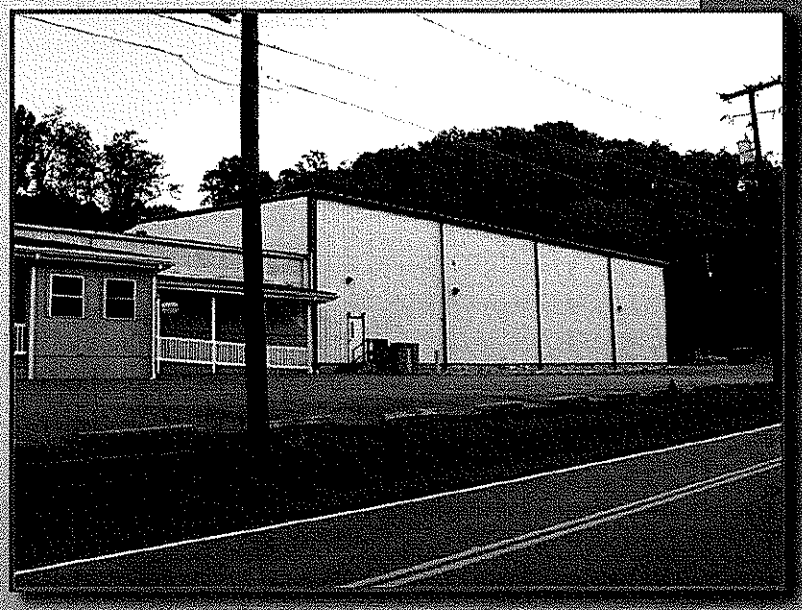
Size: 15,000 S.F. Warehouse
3,000 S.F. Loading Dock

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.





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FBO Hangar and Training Facility

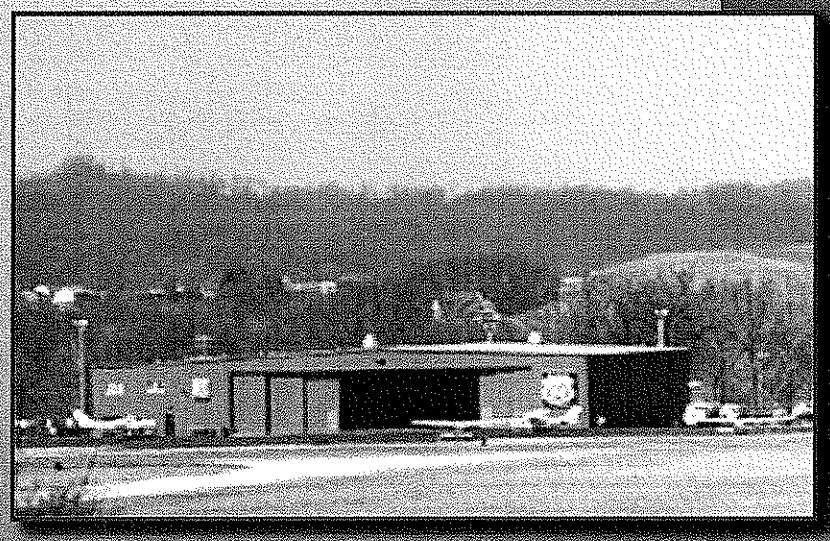
North Central WV Airport - Bridgeport, West Virginia

West Virginia Air Center

Size: 25,000 S.F.

This Facility was designed to house the Fixed Base Operator at Harrison -Marion Regional Airport. There are approximately 25,000 S.F. of hangar space used for the maintenance and storage of private aircraft and for shops needed by the maintenance staff. The administrative section of the FBO Facility includes offices, service facilities for pilots including waiting areas, flight planning spaces, and employee support facilities including accessible and complete shower and locker rooms.

The second floor of the administrative area houses classrooms, meeting rooms and other facilities for a flight school to train fledgling pilots. The various facilities housed in the FBO Facility combine services that were housed in several separate facilities . This facility allowed the Fixed Base Operator to expand and improve the services offered to the area's pilots and to our many visitors.



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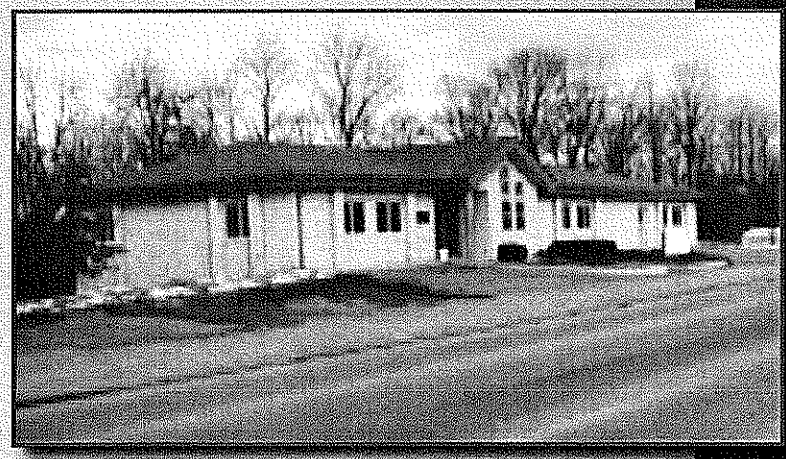
FAA Sector Field Office and Storage Building at North Central WV Airport

North Central WV Airport - Bridgeport, West Virginia

FAA Sector Field Office

Size: 6,000 S.F.

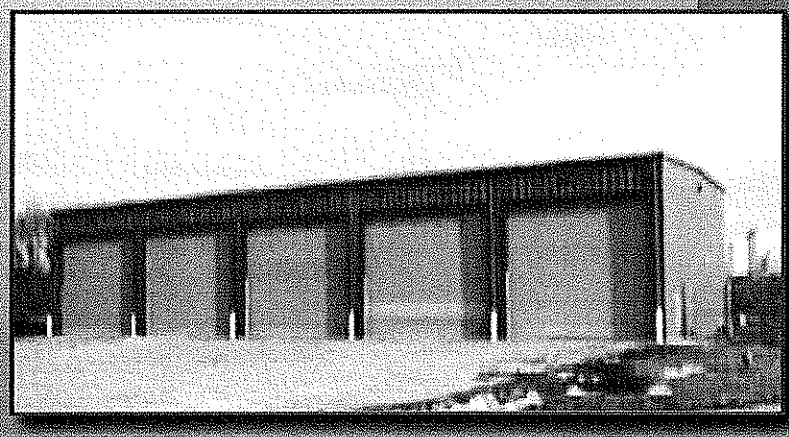
This facility, built along the access road to the airport terminal, houses the Airfield Services Support Staff to the FAA. These technicians provide support for the airport safety and navigation systems for the entire state of West Virginia. The building houses not only offices space, but shops for repair and assembly of components and a garage area for storage of equipment and maintenance of vehicles.



Storage Building

Size: 4,000 S.F.

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.



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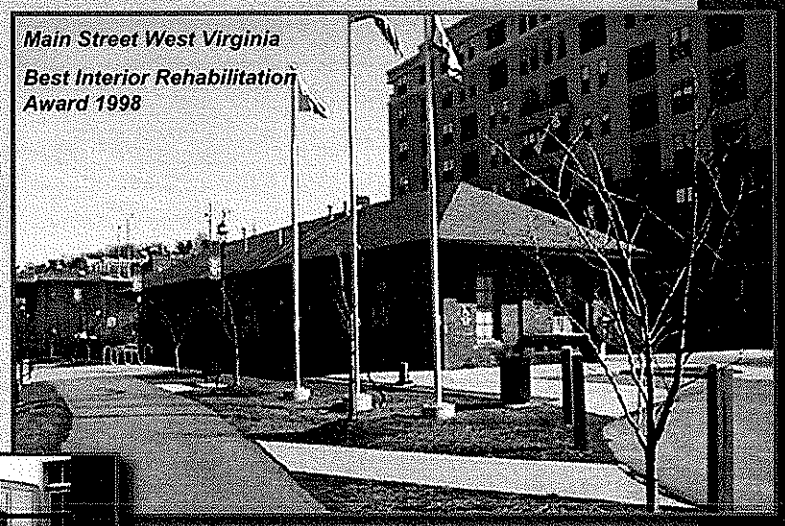
Morgantown Depot Renovation

Morgantown, West Virginia

Morgantown Depot Renovation

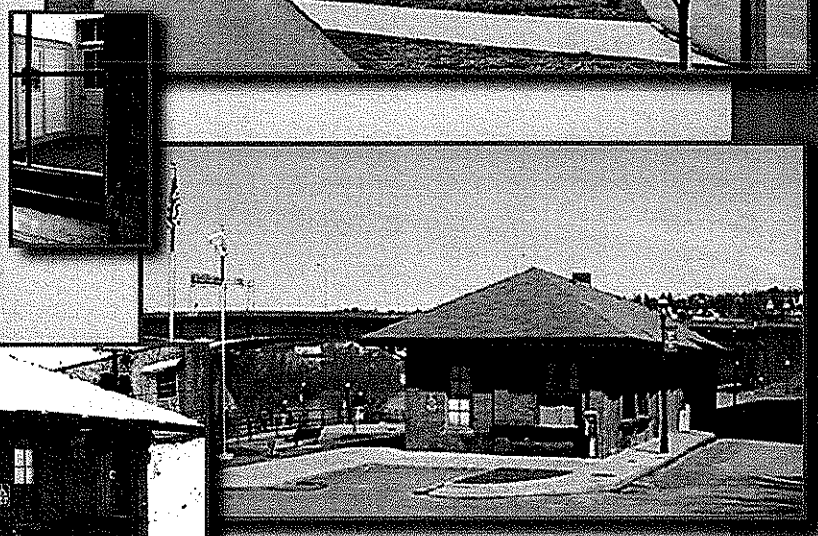
Size: 2,000 S.F.

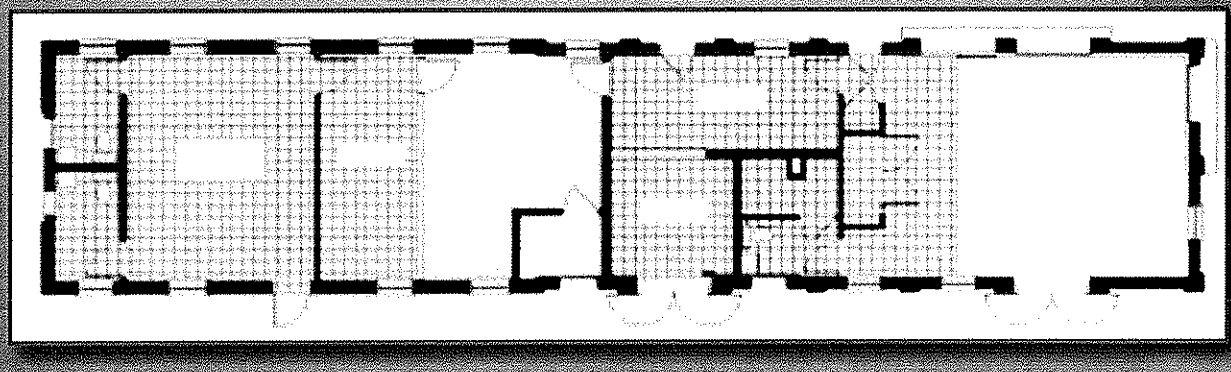
Long vacant and deteriorated, this building has now been renovated to become the cornerstone in the revitalization effort for the Riverfront District in Morgantown, WV. Part of a $530,000 project including development of a rail trail and waterfront park, the Depot has been returned to its transportation heritage by serving as operations center fro Mountain Line Transit. Filling the high demand for meeting space, the building accommodates local organization with a meeting room and kitchen facility. As a trail head, the Depot offers parking and seasonal concessions for hikers and bikers.



Main Street West Virginia

Best Interior Rehabilitation Award 1998





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Recent Architectural Awards

American Institute of Architects – West Virginia

Information Manufacturing Corporation (I.M.C.)
Cowen, West Virginia

Size: 18,000 S.F.

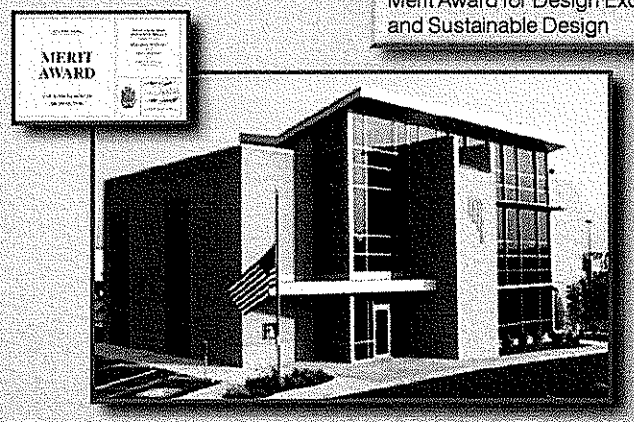
With Sponsorship from Senator Robert C. Byrd, the Webster County Development Authority commissioned this "state of the art" facility to house Information Manufacturing Corporation's regional operations. The important notion of sustainability is addressed through use of recycled steel, regional materials,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

2007 AIA-West Virginia -
Merit Award for Design Excellence
and Sustainable Design

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 soliel system to reduce heat gain and glare in the offices.



2007 AIA West Virginia
Merit Award for Design Excellence

West West Pike Street
Parking Facility
Clarksburg, West Virginia

Size: 57,000 S.F.

The facility's design complements 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.

2008 AIA West Virginia –
Merit Award for Design Excellence

Resumes

WYK Associates, Inc.

WYK associates, inc
architecture
planning

William E. Yoke, Jr., AIA, NCARB
President & Principal In-Charge

EMPLOYMENT SUMMARY

WYK Associates, Inc.	1978 - Present
WYK Architects	1974 - 1978
Whalen L. King, Architect	1973 - 1974
United States Navy	1969 - 1973
Giese Engineering	1968 - 1969

EDUCATION

Bachelor of Science – Pre-Architecture - 1968
Clemson University
Clemson, South Carolina

ARCHITECTURAL REGISTRATION

West Virginia	(Registration # 1566)
Virginia	(Registration #401-009314)
Maryland	(Registration #10172)
Pennsylvania	(Registration #RA-014502)
National Council of Architects	(Registration #23448)

PROFESSIONAL AFFILIATIONS

American Institute of Architects
National Council of Architectural Registration Boards (NCARB)
NCARB – Licensing Examination Committee
AIA-West Virginia – Two Term Past President
Past Chairman of Region II of NCARB
AIA-West Virginia Scholarship Committee
Fairmont State University – Architectural Technology Program – Advisory Committee
West Virginia Board of Architects – Three Term Past President (Current Member)

CIVIC AFFILIATIONS

Harrison County Chamber of Commerce – Past Board Member
Long Time Member of the Madrigal Singers of Clarksburg
Vice President of Civil War Roundtable – Local Chapter
Long Time Contributor to the United Way of Harrison County, Inc.

HONORS & AWARDS

2008 Chairman's Award– Harrison County Chamber of Commerce
2008 Merit Award in Architecture from AIA-West Virginia for the West Pike Street Parking Facility in Clarksburg, WV (Co-Design Architect)
2007 Merit Awards in Architecture from AIA-West Virginia for the following:
West Union Bank at Newpointe, Clarksburg, WV
Information Manufacturing Corporation in Cowen, WV

Selected Projects

Renovations to Central Fire Station
Clarksburg, WV

Broaddus Hospital
Philippi WV

Louis A. Johnson Veterans' Hospital – Various Renovations
Clarksburg, WV

Frank & Jane Gabor Folklife Center at FSU
Fairmont, WV

Davis Memorial Hospital Cancer Center
Elkins, WV

Bridgeport Public Safety Building
Bridgeport, WV

Renovations to Circleville School
Circleville, WV

WYK associates, inc
architecture
planning

James B. Swiger, AIA
NCARB, LEED AP

Vice President & Principal

EMPLOYMENT SUMMARY

WYK Associates, Inc.	2005 - Present
Blackwood Associates, Inc.	2000 - 2005
Gegner Architects	1997 - 2000
WYK Associates, Inc.	1996 - 1997

EDUCATION

Bachelor of Architecture -1996
University of Tennessee
Knoxville, Tennessee

ARCHITECTURAL REGISTRATION

West Virginia	(Registration # 3640)
National Council of Architects	(Registration #58982)

PROFESSIONAL AFFILIATIONS

American Institute of Architects
AIA-West Virginia – Director 2010 – Board of Directors
U.S. Green Building Council LEED Accredited Professional
National Council of Architectural Registration Boards
National Trust for Historic Preservation

Selected Projects

Addition to Dominion E&P Office
Jane Lew, WV

Christie-Cutlip Office Complex
Charles Pointe, Bridgeport, WV

West Pike Street Parking Facility
Clarksburg, WV

Bridgeport Public Safety Building
Bridgeport, WV

Salem Elementary School Nature Trail
Salem, WV

Stonewall Resort Lodge
Roanoke, WV

Bank of Gassaway
Flatwoods, WV

CIVIC AFFILIATIONS

United Way of Harrison County, Inc. – Board of Directors
Kiwanis Club of Clarksburg – 2008/2009 President
West Virginia Kiwanis District – Division 3 – Lieutenant Governor Elect, 2009/2010
Clarksburg Elks Lodge
Harrison County Chamber of Commerce - Education Committee
Salem Elementary School Nature/Fitness Trail – Project Manager
Salem International University Auxiliary
Upper Ten Mile Watershed Association – Board of Directors

HONORS & AWARDS

2009 Kiwanis Governor's Award for Outstanding Service in "Promoting Membership"
2008 Volunteer of the Year – Harrison County Chamber of Commerce
Selected "Generation Next: 40 Under 40" by the West Virginia State Journal in 2008
2008 Strathmore's Who's Who Worldwide Recipient
2008 Merit Award in Architecture from AIA-West Virginia for the
West Pike Street Parking Facility in Clarksburg, WV (Co-Design Architect)

WYK associates, inc
architecture
planning

Stephen M. Kelley, Associate AIA

Project Manager

EMPLOYMENT SUMMARY

WYK Associates, Inc.	2007 - Present
Blackwood Associates, Inc.	2002 - 2007
Kurtz Construction	1999 - 2001
Philadelphia University	1996 - 2000
Athletic Department	
Eagle Lodge	
Golf and Conference Center	1997

EDUCATION

Bachelor of Architecture - 2000
Philadelphia University
Philadelphia, Pennsylvania

PROFESSIONAL AFFILIATIONS

American Institute of Architects
AIA-West Virginia – Associate Member

CIVIC AFFILIATIONS

Salem Area Chamber of Commerce – Board of Directors
Harrison County Development Authority – Board of Directors
Fort New Salem Foundation – Board of Directors
VFW Post 9151- Trustee & Lifetime Member

HONORS & AWARDS

Salem Area Chamber of Commerce 2006 Member of the Year
AIA-West Virginia Student Design Competition 1995 - Second Place
U.S Army Awards:
- Army Achievement Medal
- Reserve Component Achievement Medal
- National Defense Service Medal
- Global War of Terrorism Expeditionary Metal
- Armed Forces Reserve Medal
- Army Service Ribbon
- Reserve Components Overseas Training Ribbon

Selected Projects

Harrison County Schools Entries & Hardware Replacement
Clarksburg, WV

United Hospital Center's CCCC Building Entry Replacement
Clarksburg, WV

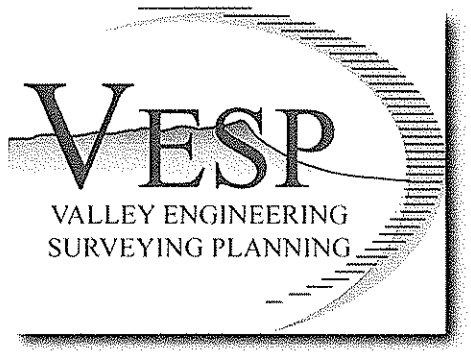
Bank of Gassaway
Flatwoods, WV

Renovation to Johnston School
Industrial Home of Youth
Salem, WV

Multi-Tenant Building for the Braxton County Development Authority
Flatwoods, WV

New Veterans' Nursing Home Facility at Louis A. Johnson Veterans Hospital
Clarksburg, WV

Valley Engineering Surveying Planning
Civil Engineering



VESP
VALLEY ENGINEERING
SURVEYING PLANNING

Firm Overview

Founded in 1997, Valley Engineering Surveying Planning (VESP) has grown from a one man operation to a full service firm offering planning, transportation, surveying, civil, structural, mechanical, electrical, and plumbing design and consulting services. Acquiring Copper, Mars, Nicely & Associates in January 2000, VESP added planning and surveying to its capabilities. In July 2001, VESP increased its market by expanding to Winchester, Virginia with the acquisition of Artz & Associates. VESP now has 45 employees in two locations providing service in Virginia, West Virginia, and other surrounding states.

We work as a team with our clients to identify their needs and goals. Through schematic design, design development, and construction documents, each step of our design process is carefully communicated to the client. Our common goal is for the client to understand exactly what they should expect when their respective project is complete.

VESP believes successful projects begin with excellent planning and require interaction with the whole project team. Before beginning any design, we carefully help our client understand levels of expectation based on systems chosen and the amount of investment they are willing to make. Throughout the entire design process, we work with our clients to help them better comprehend project concepts that are both visible and hidden. We believe a better knowledge of these concepts creates increased owner awareness and satisfaction once the project is complete.

VESP's strength in our areas of expertise relies on over 150 years of combined design, construction, and installation experience. Prior to entering into the consulting business several members of the VESP design team worked for contracting firms building what we now design. This experience helps VESP develop reasonable budgets, accurate, energy efficient designs, and provides valuable insight for cost control during the design process.

We acknowledge the difficulty in selecting engineering firms. You expect creativity and technical expertise. Most firms have these attributes although many would disagree strenuously over what constitutes them. It has been our experience that clients want design firms committed to service, who genuinely listen, and who treat your work as if it were their own. We offer this service. Our philosophy is reflected in the creative and practical approach to unique problems, technical expertise, experience, history of excellent service, and principles.

VESP
VALLEY ENGINEERING
SURVEYING PLANNING

Project Example

Hampshire Memorial Hospital
Romney, West Virginia
2008 - Ongoing

Project Owner:

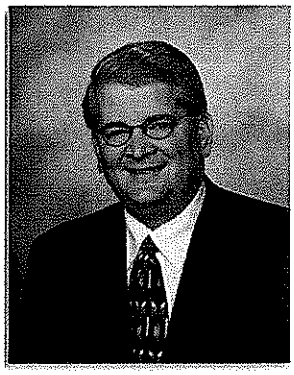
Valley Health

Reference:

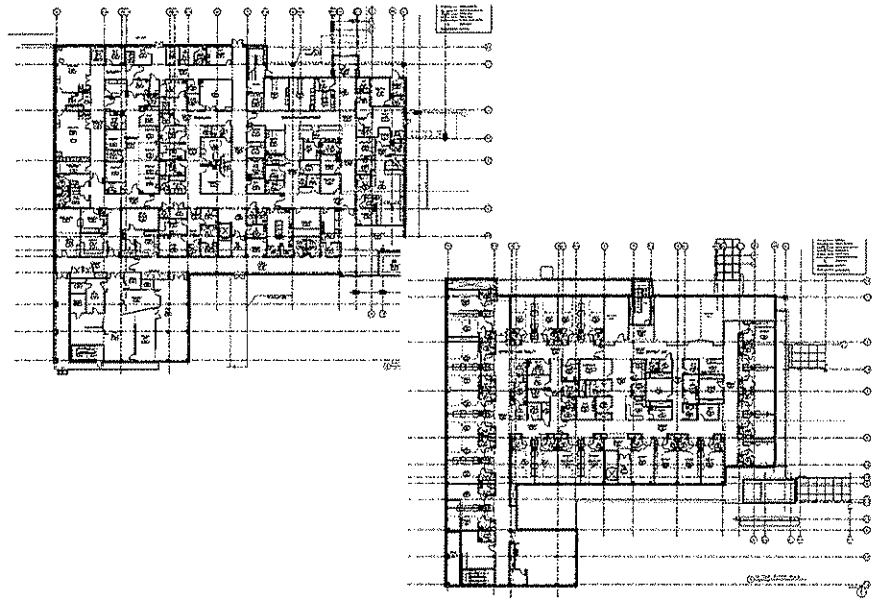
Mr. Mark Baker
Valley Health
1836 Amherst Street
Winchester, VA 22601
(540) 536-4543

Project Manager:

Daniel K. Michael, PE



Prepare preliminary site analysis and feasibility study for Owner's use in evaluating property for purchase. Site design included a new critical access hospital and medical office building and all associated utilities. The on-site excavation was estimated at ±64,800 cubic yards of cut and ±60,200 cubic yards of fill. The total approximate land disturbance associated with this project was ±14.1 acres. Adequate parking was planned for using both the Americans with Disabilities Act (A.D.A.) regulations and the International Building Codes (I.B.C.). Additional parking was allotted specifically for low-emissions and fuel-efficient vehicles, in accordance with Leadership in Energy and Environmental Design (L.E.E.D.) specifications. A helipad, capable of landing military-grade helicopters, was designed on site to serve not only regional emergency transports, but to potentially serve government officials from Washington, D.C. in the event of a national crisis. Adjacent to the emergency department, a mobile MRI unit pad was planned for using advanced concrete design so as not to interfere with the powerful magnets of the MRI unit. Engineers worked closely with County departments on the water and sanitary sewer plans for on-site connections. Stormwater management was provided on site as directed by all local, state, and federal regulations. Runoff from the site was not only treated for pollutant and sediment removal, but was released from the site at a rate less than prior to construction; thereby preventing any erosion or flooding to downstream channels. Pretreatment of sanitary waste was required and designed as this area is served by an independently owner treatment facility.



VESP
VALLEY ENGINEERING
SURVEYING PLANNING

Project Example

War Memorial Hospital
Berkeley Springs, West Virginia
2008 - Ongoing

Project Owner:

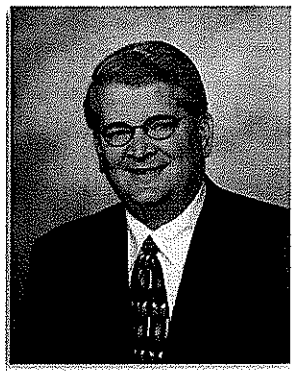
Valley Health

Reference:

Mr. Mark Baker
Valley Health
1836 Amherst Street
Winchester, VA 22601
(540) 536-4543

Project Manager:

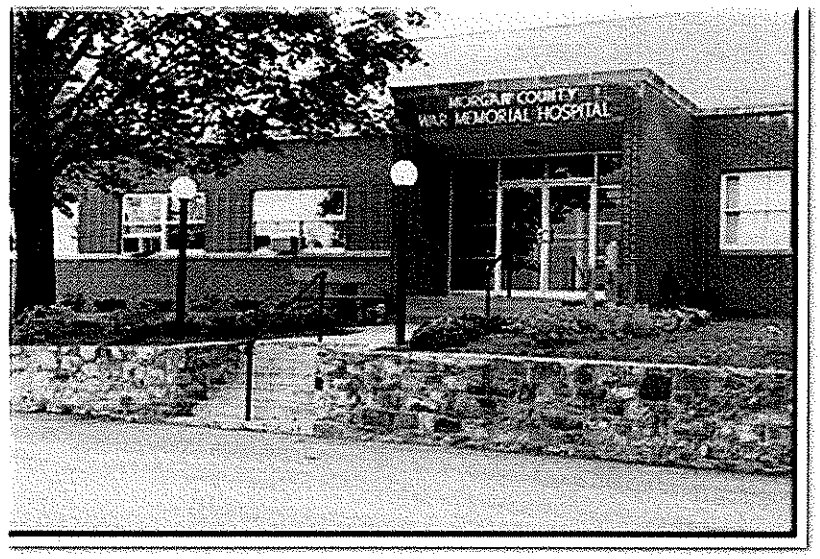
Daniel K. Michael, PE



Prepare site analysis and feasibility study for Owner's use in evaluating property for purchase. A total of four individual sites were considered with one ultimately being purchased. Site will include construction of an entirely new critical access hospital facility, and all associated infrastructure improvements. Site consists of roughly 200 acres. Assessment included evaluation of water, sanitary sewer, roadway access, site layout including multiple buildings, zoning analysis, and power availability. Coordination included involvement of Local Government including Zoning, Water and Sewer providers, State Health Department, WV Division of Highways, State Public Service Corporation, WV Department of Environmental Protection, and FEMA. Completed report was presented to hospital board and was very well received.

L.E.E.D. certification for the site design was met using the following design criterias: providing reserved parking spaces for low emissions and fuel efficient vehicles, maximizing open space on the site, and enhancing stormwater management facility designs for quantity and quantity control.

Design of the entire site and all building systems is ongoing at this time.



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SURVEYING PLANNING

Project Example

Winchester Medical Center East Parking Garage
Front Royal, Virginia

2007 - Ongoing

As Winchester Medical Center continues to expand, on-campus parking facilities find that their demand is exceeding their capacity. WMC hired Valley Engineering Surveying Planning to analyze their existing parking facilities for adequacy, and then prepare a detailed list of recommendations for the campus's future growth and ability to meet parking needs. Part of VESP's recommendation was the construction of a new five-story parking garage, one with a capacity of 561 spaces, with the ability to achieve future expansion. VESP provided all necessary site and utility surveying and design for this structure, and also led efforts on parcel rezoning and boundary line vacations necessary for the structure to avoid setback violations. Construction began in early 2009 and is slated to be finished within the year.

Project Owner:

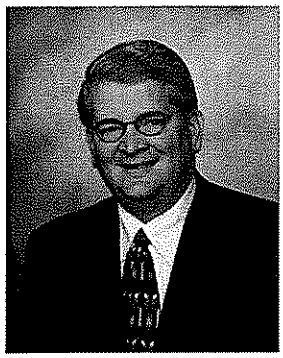
Valley Health

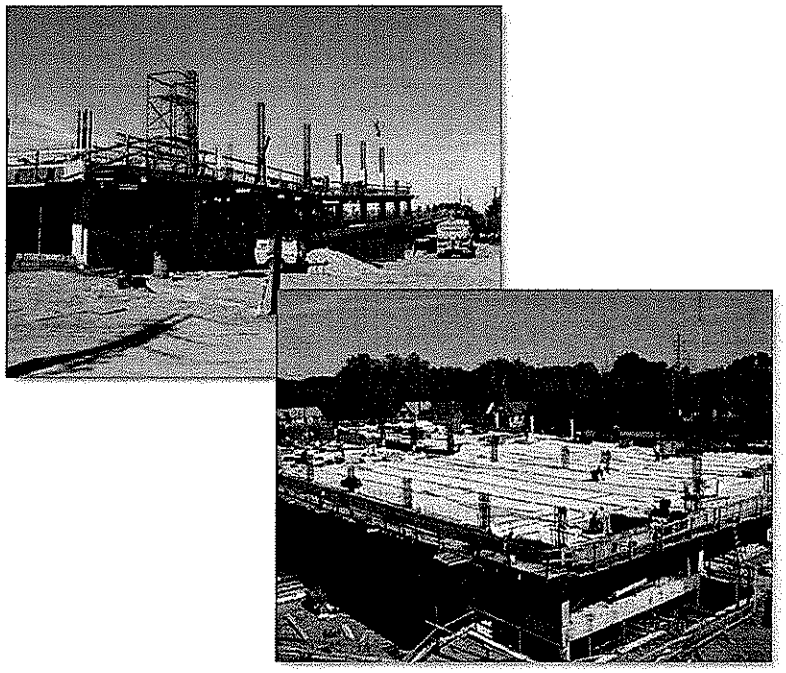
Reference:

Mr. Jon Hancher
Howard Shockey
1057 Martinsburg Pike
Winchester, VA
22603
(540) 723-4100

Project Manager:

Daniel K. Michael, PE





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SURVEYING PLANNING

Project Example

Skyline Middle & Smithland Elementary School
Harrisonburg, Virginia

2006 - 2008

As part of the City of Harrisonburg's contracted design team, Valley Engineering Surveying Planning helped develop construction documents for a new elementary and middle school (combined), including associated recreational areas and related infrastructure. Drainage and grading plans were provided for the creation of three basketball courts, a softball field, a 165'x300' ft playfield, and a football field with encompassing track. Bus loading and unloading zones were designed to segregate passenger vehicles from bus lanes, and provide safe passage for pedestrian school children. Elevations and locations of buildings, parking lots, roadways, entrances, utilities, and detention basins were coordinated with other plans for a future public roadway. Engineering also included the design of 4,531 feet of roadway, nearly three acres of parking area, pavement sections, storm sewer, water mains, sanitary sewer, storm water management, erosion control, and water quality basins. Construction management was also provided to ensure compliance with all associated regulatory agencies. During construction, shop drawings were reviewed and value engineered with contractor to reduce construction costs.

Project Owner:

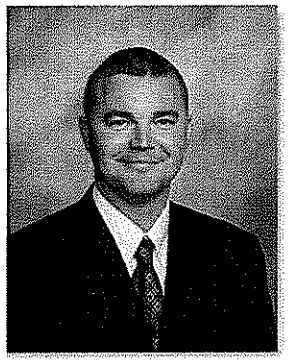
Harrisonburg City
Public Schools

Reference:

Mr. Craig McKail
317 South Main Street
Harrisonburg, VA
22801
(540) 434-9916

Project Manager:

Jeffrey W. Hawk, PE



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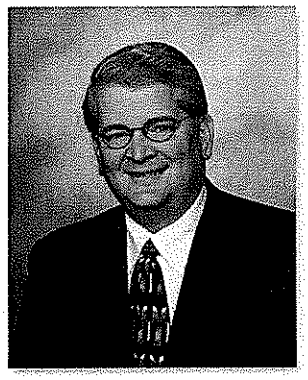
Daniel K. Michael, PE

Partner, Principal-In-Charge



Education
- Bachelor of Science, Civil Engineering
- West Virginia Institute of Technology - 1989

Licensure
- Engineering - Virginia - 1996
- Engineering - Pennsylvania - 1998
- Engineering - West Virginia - 2000
- Engineering - Maryland - 2009
- Engineering - Kentucky - 2009
- Engineering - North Carolina - 2009
- Engineering - Tennessee - 2009

Years Experience
- VESP: Started Valley Engineering in 1997 - Present
- Neff Enterprises: 1995 - 1997
- City of Harrisonburg: 1992 - 1995
- Copper & Associates: 1990 - 1992
- WV Dept. of Highways: 1986 -1988

Professional and Community Affiliations
- American Society For Healthcare Engineering
- American Society of Civil Engineers
- National Society of Professional Engineers
- Numerous boards and committees serving the local area

Mr. Michael has extensive experience in the field of civil engineering with a majority of that time dedicated to the design of public and private infrastructure improvements and site specific improvement plans. He has designed or overseen the design and reviewed projects ranging from building additions to multi-year, multi-million dollar resort additions and expansions.

Mr. Michael ensures that the service and advice that the project team provides results in the achievement of the plans and goals of his client. He leads his team of engineers, planners, and surveyors in the mission to provide, through value engineering, constructability that produces long-term, quality solutions while at the same time saving the client time and money.

Mr. Michael's professional experience includes:

- Client and Project Management
  - Meeting with the client to discuss and understand their objectives and expectations
  - Leading the team to ensure the client's goals align with those of the design professionals
- Site Design and Related
  - Utility/Distribution Layout, Design and Analysis
  - Erosion Control and Stormwater Management Plans
  - Roadway Layout and Pavement Design
  - Site Assessments/Evaluations
  - Professional Witness
  - Grading Plans
- Floodplain Management
  - CLOMA/R and LOMA/R Preparation and Submittal
  - Floodplain Determination
  - Floodway Delineation
  - ProHEC-2 Proficient

VESP
VALLEY ENGINEERING
SURVEYING PLANNING

Carl L. Snyder, PE

Director of Civil Engineering

Education
- Bachelor of Science, Civil Engineering
- Virginia Tech - 2002

Licensure
- Engineering - Virginia - 2007
- Engineering - West Virginia - 2008
- Engineering - Maryland - 2009
- Engineering - Tennessee - 2009

Years Experience
- VESP: 2004 - Present
- Virginia Dept. of Transportation: 2001 - 2004

Professional and Community Affiliations
- American Society of Civil Engineers
- National Society of Professional Engineers

Mr. Snyder has experience in both the private and public sectors of civil engineering. He has valuable design experience on projects ranging from single commercial lot development to large industrial facilities and large residential subdivisions. He works closely with the client, appropriate regulatory agencies, and all members of the design team to ensure a safe, quality product which meets or exceeds the client's expectations is delivered.

Mr. Snyder's professional experience includes:

- Project Management
  - Works closely with the client and provides project status updates
  - Project coordination with architects and other design professionals
  - Coordination with regulatory agencies to ensure a constructible product is prepared which is in compliance with all applicable standards
  - Construction Management: shop drawing review, construction observation, client and contractor project coordination meetings
- Land Development / Site Design
  - Utility/Distribution Layout and Design
  - Grading Plans (Balance Cut and Fill)
  - Water System Analysis and Design
  - Pump Station Design and Analysis
  - Erosion and Sediment Control Plans
  - Stormwater Management
  - Value Engineering
  - ADA Compliance
  - Sanitary Sewer
  - Water Quality
  - Fire Coverage
  - Storm Sewer
- Roadway Design / Traffic Analysis
  - Roadway Capacity / Turn-Lane Analysis
  - Vertical and Horizontal Alignment
  - Pavement Design
  - Parking Analysis

VESP
VALLEY ENGINEERING
SURVEYING PLANNING

Thomas Hartman, EIT, LEED AP

Project Engineer

Education
- Bachelor of Science, Civil Engineering, Minor in Environmental Engineering
- Old Dominion University - 2008

Licensure
- EIT – Virginia – 2008

Years Experience
- VESP: 2009 - Present
- McKim & Creed Engineering: 2007 – 2009
- MSA Engineering: 2006 – 2007
- Virginia Dept. of Transportation: 1999 - 2005

Mr. Hartman has experience in both the private and public sectors of civil engineering. He has valuable design experience on projects ranging from single commercial lot development to industrial facilities and large residential subdivisions. Tom strives to produce a quality design that successfully meets all project goals within monetary and budgetary restraints.

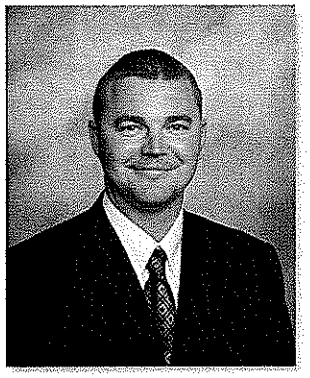
Mr. Hartman's professional experience includes:

- Project Management
  - Works closely with the client and provides project status updates
  - Project coordination with architects and other design professionals
  - Coordination with regulatory agencies to ensure a constructible product is prepared which is in compliance with all applicable standards
  - Construction Management: shop drawing review, construction observation, client and contractor project coordination meetings
- Land Development / Site Design
  - Utility/Distribution Layout and Design
  - Grading Plans
  - Water System Analysis and Design
  - Pump Station Design and Analysis
  - Erosion and Sediment Control Plans
  - Stormwater Management
  - ADA Compliance
  - Sanitary Sewer
  - Water Quality
  - Fire Coverage
  - Storm Sewer
  - LEED
- Roadway Design / Traffic Analysis
  - Roadway Capacity / Turn-Lane Analysis
  - Vertical and Horizontal Alignment
  - Pavement Design
  - Parking Analysis

VESP
VALLEY ENGINEERING
SURVEYING PLANNING

Jeffrey W. Hawk, PE

Project Engineer



Education
- Bachelor of Science, Civil Engineering
- Fairmont State College - 2000

Licensure
- Engineering - West Virginia - 2009

Years Experience
- VESP: 2000 - Present

Professional and Community Affiliations
- American Society of Civil Engineers

Mr. Hawk is responsible for plan development and design for residential, commercial, and business sites. He manages projects from conception to completion. He specializes in engineering design and analysis, cost estimates, and the design of public and private infrastructure.

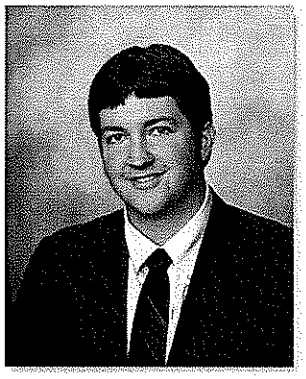
Mr. Hawk's design experience includes:

- Project Management
  - Works closely with the Client and provides updates of project status
  - Project coordination with architects and other design professionals
  - Coordination with regulatory agencies to ensure a feasible design is provided which is in compliance with all applicable standards
  - Construction Management: shop drawing review, construction observation, client and contractor project coordination meetings
- Land Development / Site Design
  - Utility/Distribution Layout and Design
  - Grading Plans (Balance Cut and Fill)
  - Water System Analysis and Design
  - Pump Station Design and Analysis
  - Erosion and Sediment Control Plans
  - Stormwater Management
  - Value Engineering
  - ADA Compliance
  - Sanitary Sewer
  - Water Quality
  - Fire Coverage
  - Storm Sewer
- Roadway Design / Traffic Analysis
  - Roadway Capacity / Turn-Lane Analysis
  - Vertical and Horizontal Alignment
  - Pavement Design
  - Parking Analysis
  - Public Safety

VESP
VALLEY ENGINEERING
SURVEYING PLANNING

Seth O. Roderick, PE

Director of Planning and Transportation



Education
- Bachelor of Science, Civil Engineering
- Virginia Tech - 2002

Licensure
- Engineering - Virginia - 2005

Years Experience
- VESP: 2003 - Present
- Anderson & Associates: 2002 - 2003
- Federal Highway Administration: 1999 - 2001

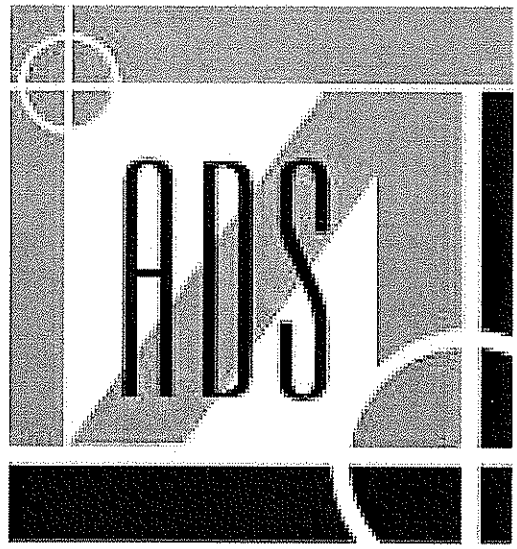
Professional and Community Affiliations
- American Society of Civil Engineers
- National Society of Professional Engineers

Mr. Roderick has experience in both the private and public sectors of planning and civil engineering. He has led the design of projects ranging from single commercial lots to large residential subdivisions and from new roadway layout and design to expansive roadway upgrading and rehabilitation. His obligation is to the client, the project, the reviewing agencies, and the public at large to produce a competent, quality product that will prove to be a benefit to all.

Mr. Roderick's professional experience includes:

- Project Management
  - Work hand-in-hand with reviewing agencies to ensure a competent product is presented in compliance with all applicable standards
  - Set and meet realistic budget/time constraints
  - Work closely with the client to properly serve their needs and keep them informed
  - Assist client in negotiations with approving authorities with regard to requested off-site improvements, etc.
- Transportation Engineering
  - Traffic Impact Analyses (TIAs)
  - Roadway Design/Construction Plans
  - Pavement Design
  - Traffic Signal Warrant Analyses
  - Signal Installation Plans
  - Roadway Signage and Striping Plans
- Land Planning / Site Design
  - Rezoning
  - Special Use Permits
  - Comprehensive Plan Amendments
  - Site Layouts
  - Preliminary Grading Plans
  - Value Engineering

Allegheny Design Service



Allegheny Design Services

Structural & MEP Engineering

102 Leeway Street
Morgantown, WV 26505
Phone: (304)599-0771
Fax: (304)599-0772
www.alleghenydesign.com

CONSULTING ENGINEERING FIRM SPECIALIZING IN STRUCTURAL BUILDING DESIGN AND BUILDING ANALYSIS

Allegheny Design Services is a consulting engineering firm specializing in structural building design and building analysis.

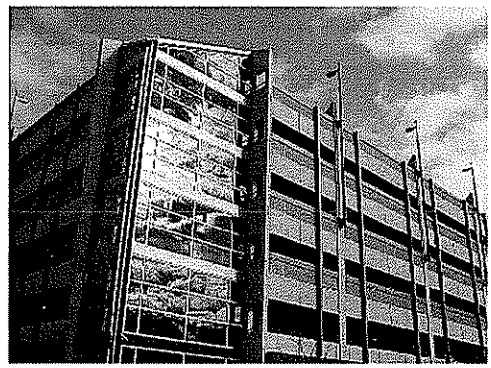
Dedicated to serving West Virginia and the surrounding region, *ADS* recognizes the need for reliable and full service structural engineering support. *ADS* provides all phases necessary for the successful completion of a building project including schematic design studies, design development, construction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

Over 20 years in Design and Project Management of:

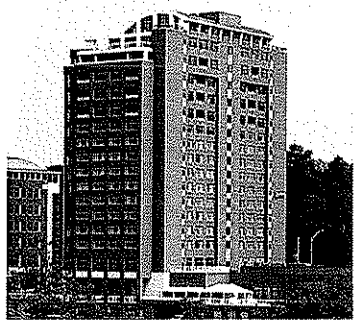
- Commercial
- Industrial
- Institutional
- Educational Facilities

OFFICE BUILDINGS

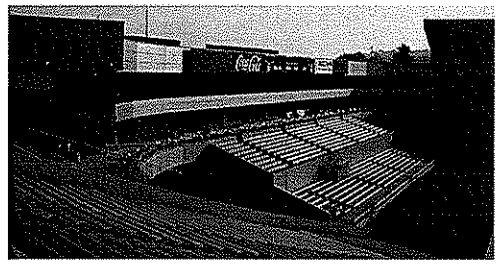
MIXED USE



PARKING GARAGES

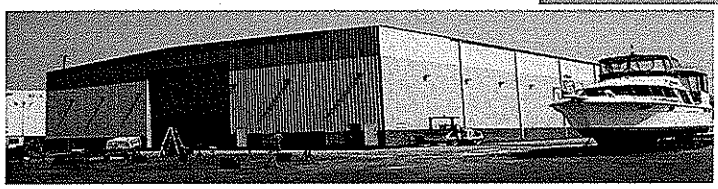


HOTEL
CONFERENCE CENTERS



ATHLETIC FACILITIES

SECONDARY EDUCATION



METAL BUILDING SYSTEMS

HEALTH CARE

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

FIRM PROFILE

Allegheny Design Services is a consulting engineering firm specializing in structural building design and building analysis.

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

ADS's experience exceeds twenty-five years in the Design and Project Management of:

Commercial Facilities

Industrial Facilities

Institutional Facilities

Educational Facilities

ADS was established by David Simpson, P.E., MBA, in 2002 as a result of a need in North Central West Virginia for reliable structural engineering services. ADS utilizes a combination of office technology and a motivated staff to deliver projects typically up to $25 million in construction value. We have completed design work for over $150 million in construction since our inception. Our clients include architects, contractors, developers, attorneys, and insurance companies.

Building systems delivered by ADS include structural steel, reinforced concrete, precast concrete, and structural timber. ADS currently utilizes the latest engineering design and drafting software for the development of project work.

ADS is covered under a $1 million liability policy for errors and omissions through Beazley Insurance Company.

Allegheny Design Services
Structural & MEP Engineering

PROJECT PROFILE

Bill Miller Equipment Sales
Cumberland, MD

PROJECT ARCHITECT: LAI Architects, Morgantown, WV
STRUCTURAL ENGINEER: Allegheny Design Services, Morgantown, WV
CONTRACTOR: The Belt Group, Cumberland, MD

PROJECT SCOPE:

- 26,000 sq. ft. Paint Shop and 25,000 sq. ft Repair Shop
- Pre-Manufactured Metal Buildings
- Spread Footing Foundation System

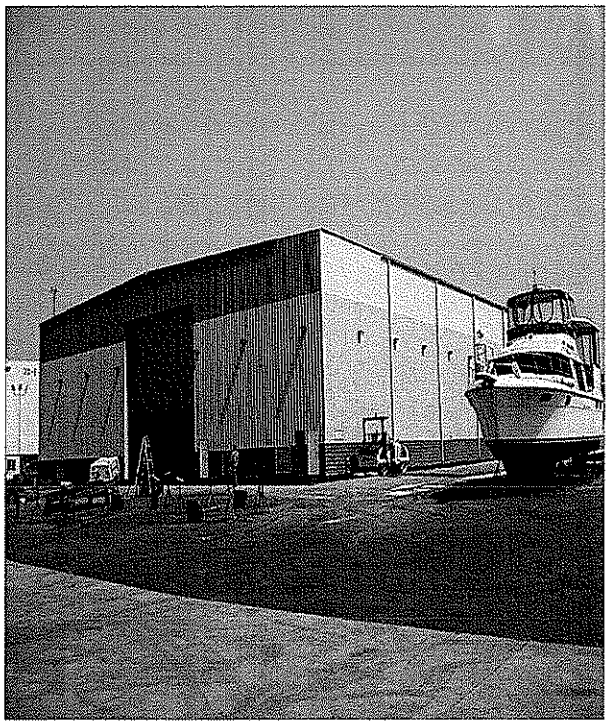
PROJECT VALUE: $3 Million

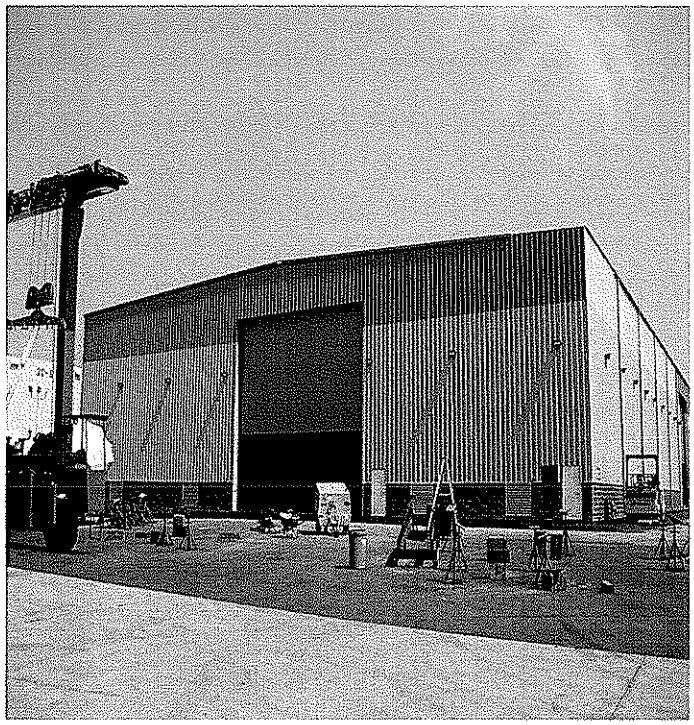
PROJECT COMPLETION: Spring 2007

Allegheny Design Services
Structural & MEP Engineering

PROJECT PROFILE

Inner Harbor Boatel
Baltimore, MD





PROJECT ARCHITECT: Levin/Brown & Associates, Owings Mills, MD
STRUCTURAL ENGINEER: Allegheny Design Services, Morgantown, WV
CONTRACTOR: March-Westin Company, Inc., Baltimore, MD

PROJECT SCOPE:

- 32,000 Sq. Ft. Recreational Boat Storage Facility
- Structural Steel Storage Rack System
- Structural Floating Mat Foundation System

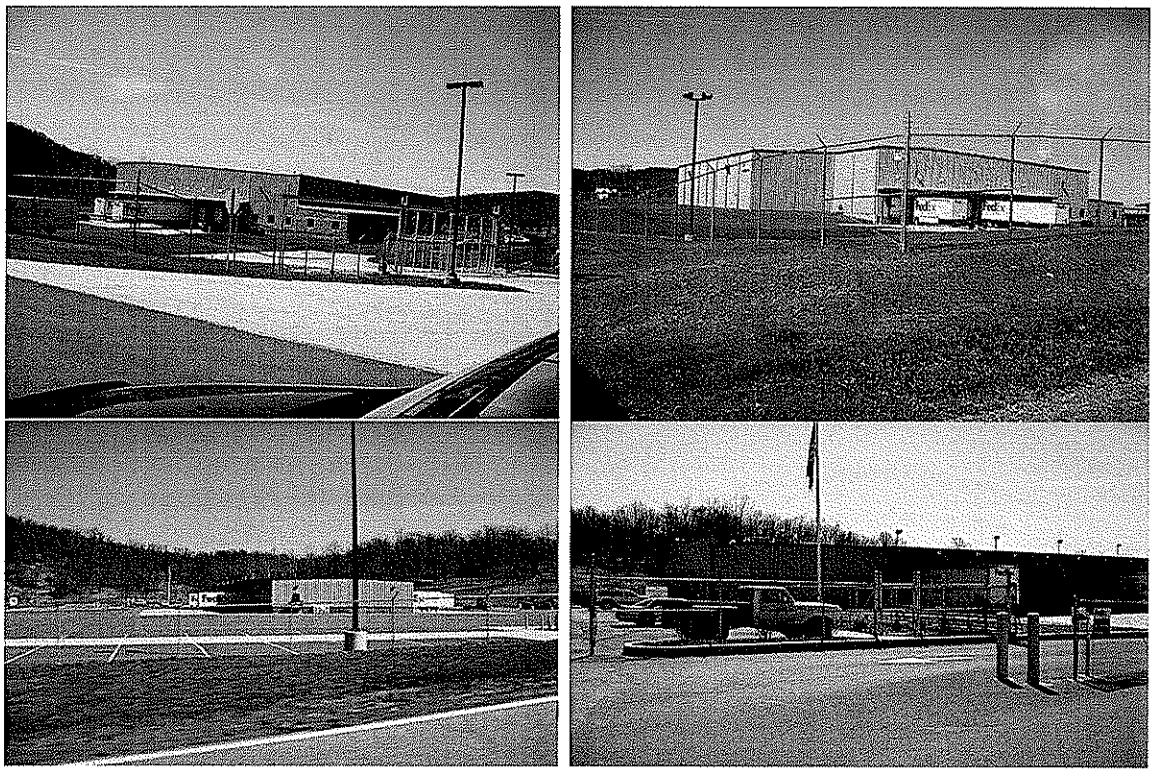
PROJECT VALUE: $3 Million

PROJECT COMPLETION: 2005

Allegheny Design Services
Structural & MEP Engineering

PROJECT PROFILE

Federal Express Distribution Facility
Clarksburg, WV



PROJECT ARCHITECT: A Plus Design Group, Dallas, TX
STRUCTURAL ENGINEER: Allegheny Design Services, Morgantown, WV
CONTRACTOR: Commercial Builders, Morgantown, WV

PROJECT SCOPE:
- 13,000 Sq. Ft. Distribution Center
- Pre-manufactured Metal Building System
- Structural Floating Mat Foundation System

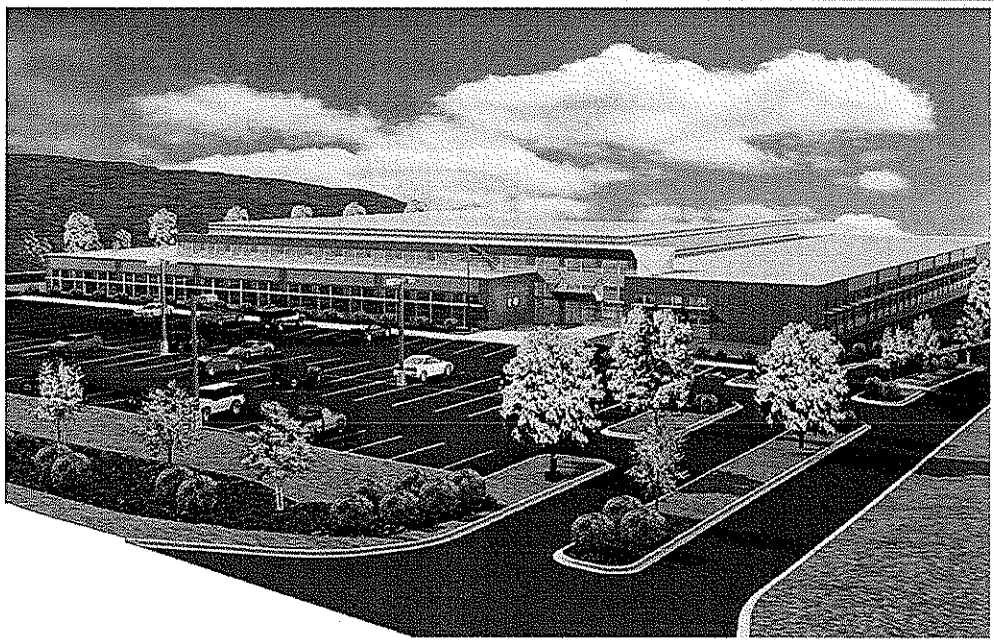
PROJECT VALUE: $1.1 Million

PROJECT COMPLETION: 2005

Allegheny Design Services
Structural & MEP Engineering

PROJECT PROFILE

GSA - Department of Energy
Morgantown, WV



PROJECT ARCHITECT: Paradigm Architecture, Morgantown, WV
STRUCTURAL ENGINEER: Allegheny Design Services, Morgantown, WV
CONTRACTOR: DCK, Pittsburgh, PA

PROJECT SCOPE:
A new modern office and records storage building for the United States Department of Energy Office of Legacy Management. Awarded through a Design-Build Competition sponsored by the General Services Administration. This one story building includes 37,000 square feet of NARA Certified Records Storage space and additional spaces for administrative offices, receiving/processing, and meetings/research areas.

PROJECT VALUE: $ 8 Million (Shell)

ESTIMATED PROJECT COMPLETION: Fall 2009

Allegheny Design Services
Structural & MEP Engineering

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Web: www.AlleghenyDesign.com

KEY PERSONNEL

David R. Simpson, P.E., SECB, MBA, President

West Virginia Institute of Technology, BSCE

West Virginia University, MBA

Structural Engineering Certification Board

P.E. Licenses in the following States:

- West Virginia
- Pennsylvania
- Maryland
- Virginia
- District of Columbia

National Council of Examiners for Engineering and Surveying

Michael L. Sipe, E.I., Engineering Intern

West Virginia Institute of Technology, BS Mechanical Engineering

West Virginia University

- Structural Analysis
- Steel Design
- Reinforced Concrete Design

Jason D. Robinson, E.I., Engineering Intern

West Virginia University, BS Civil Engineering

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David R. Simpson, P.E., SECB, MBA
President

Education:

West Virginia Institute of Technology
B.S. Civil Engineering

West Virginia University
Masters Business Administration

West Virginia State College
Architectural Technology

Professional Registrations:

Year first registered: 1983
Structural Engineering Certification Board
West Virginia
Pennsylvania
Maryland
Virginia
District of Columbia
National Council of Examiners for Engineering and Surveying

Professional Memberships:

American Society of Civil Engineers
Structural Engineering Institute, Charter Member
American Concrete Institute
American Institute of Architects – West Virginia Chapter
American Institute of Steel Construction, Inc.
American Iron and Steel Institute Member

Continuing Education:

2005 AISC Specification for Structural Steel Buildings – September 27, 2006 – Pittsburgh, PA
ASCE Testifying Skills for Engineers – February 16, 2007 – Orlando, FL

Professional Experience:

Responsible for project management and design at Allegheny Design Services. Experience includes over 24 years in structural design and project management for industrial, commercial, institutional, and nuclear/chemical facilities utilizing steel, concrete, masonry, and wood. Past accomplishments include design and construction administration of health care facilities, hotels, schools, shopping centers, aircraft hangars, numerous retail facilities, and numerous forensic engineering assignments. Experience has been obtained from the following assignments:

Experience Record:

Allegheny Design Services, LLC, President,	May 2002 to Present
R.M. Gensert and Associates, Vice President,	August 1998 to May 2002
West Virginia University, Assoc. Director Construction	August 1988 to August 1998
Simpson Engineering, Owner	August 1988 to August 1998
CECO Buildings Division, Senior Structural Engineer	April 1985 to August 1988
Rockwell International, Facility Structural Engineer	March 1982 to April 1985
Bellard Ladner & Assoc., Staff Structural Engineer	Sept. 1981 to March 1982
PPG Industries, Facility Structural Engineer	January 1980 to Sept. 1981

Additional Professional Experience:

Experience encompasses design, project management, and construction administration for reinforced concrete, structural steel, precast concrete, masonry, and wood structures.

Project experience includes:

Fairmont Senior High School, Fairmont, WV
Belmont Community Center, St. Clairsville, OH
Monongalia General Hospital Operating Room Addition, Morgantown, WV
Chestnut Ridge Church, Morgantown, WV
West Virginia University Business and Economics Building, Morgantown, WV
West Virginia University High Density Book Storage Facility, Morgantown, WV
West Virginia University Life Sciences Building, Morgantown, WV
West Virginia University Student Recreation Center, Morgantown, WV
West Virginia University Wise Library Addition, Morgantown, WV
West Virginia University White Hall Computer Center, Morgantown, WV
UPMC Hillman Cancer Center, Pittsburgh, PA
Carnegie Museum of Natural History Addition, Pittsburgh, PA
Cultural Trust District Parking Garage, Pittsburgh, PA
Delaware Valley Veterans' Home, Philadelphia, PA
Fairmont State University Parking Garage, Fairmont, WV
First Avenue Parking Garage, Pittsburgh, PA
Hillman Cancer Center (UPMC), Pittsburgh, PA
New Enterprise Precast Corporate Headquarters, New Enterprise, PA
Respironics Corporate Office Facility, Pittsburgh, PA
International Brotherhood of Electrical Workers Headquarters Training Center, Pittsburgh, PA
Laurel Highlands Middle School Addition, Uniontown, PA
Trinity High School, Morgantown, WV
Mylan Pharmaceuticals Parking Garage, Morgantown, WV
Phipps Conservatory Addition, Pittsburgh, PA
Radisson Hotel and Conference Center, Morgantown, WV
Western Pennsylvania School for Blind Children, Pittsburgh, PA
In-Situ Vitrification Nuclear Waste Encapsulation Project, Richland, WA
Dominion Transmission Office Building, Clarksburg, WV
Multiple structural evaluations and expert witness for structural damage due to subsurface mining subsidence, floods, ice, wind, and construction errors
Over 400 low-rise metal building projects from Maine to South Carolina, including warehouses, aircraft hangar facilities, shopping centers, industrial facilities, and office facilities.

Allegheny Design Services
Structural & MEP Engineering

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E-mail: Jason@AlleghenyDesign.com
Web: www.AlleghenyDesign.com

Jason D. Robinson, E.I.
Engineering Intern

Education:

West Virginia University
B.S. Civil Engineering

Awards/Achievements/Organizations:

Dean's List
Member of AISC
Associate Member of ASCE

Professional Registrations:

West Virginia, Engineering Intern License #8699

Professional Experience:

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

Experience record:

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

Courses and Continuing Education:

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

Allegheny Design Services
Structural & MEP Engineering

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E-mail: Mike@AlleghenyDesign.com
Web: www.AlleghenyDesign.com

Michael L. Sipe, E.I.
Engineering Intern

Education:

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

Awards/Achievements/Organizations:

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

Professional Registrations:

West Virginia, Engineering Intern License # 8519

Professional Experience:

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

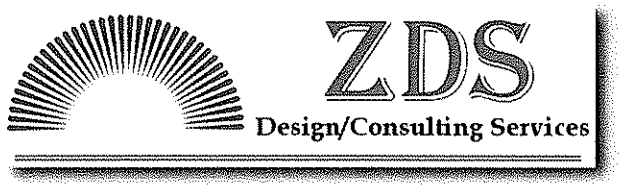
Experience record:

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

Courses and Continuing Education:

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

ZDS Design/Consulting Service



ZDS offers an effective organizational structure; one that takes each project from inception through completion, working as an extension of the *Client* every step of the way.

In 1983, Todd A. Zachwieja founded ZECO Consultants. In 1994 ZDS Limited Liability Company was incorporated in WV using dba **ZDS Design/Consulting Services.** This company was founded to provide design and consulting services. Today there are four principals with over 100 years of technical expertise:

- **Todd A. Zachwieja,** PE, C.E.M., LEED AP, Chief Executive Officer, brings with him over 28 years in the design and consulting business.
- **Ted T. Zachwieja,** Principal over Construction Administration services with over 45 years experience in the design and consulting business. He was owner of Ted T. Zachwieja & Company from 1962 to 1982.
- **Daniel H. Kim,** Ph.D., Manager of Strategic Planning, brings with him over 22 years in the design and consulting business and is one of the nation's leading experts in organizational management. He is also owner/founder of Pegasus Communications, Inc. from 1991 to present.
- **Lori Zachwieja,** CPA, Chief Financial Officer and cofounder of ZECO Consultants.

ZDS is a consulting engineering firm specializing in the following areas:

MECHANICAL
ELECTRICAL
INDOOR AIR QUALITY
COMMISSIONING
ENERGY

Each new project is assigned to a principal in-charge who will follow the project from inception through commissioning.

We assign 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.

"Excellent mechanical and electrical design results from an experienced team, as well as, listening to the needs of the Client."

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. Our design expertise includes:

MECHANICAL DESIGN	ELECTRICAL DESIGN
• Heating & Ventilation	• Power Distribution
• Air Conditioning	• Interior Lighting
• Piping	• Exterior Lighting
• Environmental Controls	• Emergency Power
• Process Controls	• Communications
• Refrigeration	• Technology
• Plumbing	• Fire Alarm
• Medical Gases	• Security
• Sprinkler-Fire Protection	• Life Safety
• Master Planning	• Master Planning

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.

We work with all levels of the client's staff: the building owner, the budget supervisor, the operating and maintenance staff and others impacted by the project. We recognize 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.

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."

ZDS provides consulting engineering services for the indoor air quality (IAQ) environment. These services include; strategic planning for renovation and new construction projects; technical research and writing; specialized applications software development; corporate and professional training programs; publications support and fulfillment; and site-specific engineering and scientific consultation.

Todd Zachwieja, ZDS principal, is contributing editor for the following IAQ publications:

- Contributing Editor and Technical Review Panel for the publication of the *IN*VIRONMENT© *Handbook of Building Management and Indoor Air Quality*, by Chelsea Group and published for Powers Educational Services.
- Technical Review Panel for the Quarterly publication of the *IN*VIRONMENT™ *Newsletter*, by Chelsea Group for Powers Educational Services.
- *Ventilation for a Quality Dining Experience: a Technical Bulletin for Restaurant Owners and Managers*, released in January 1993.
- *The New Horizon: Indoor Environmental Quality*, published as a supplement to the June 1993, issue of *Consulting Specifying Engineer* magazine, a trade magazine distributed to roughly 50,000 engineers.
- Editorial Advisory Board member reviewing the articles of the monthly publication *IN*VIRONMENT™ *Professional*
- Editorial Advisory Board member of *POWER PRESCRIPTIONS*™ Indoor Air Quality Publication by *Electric Power Research Institute*.

ZDS provides IAQ services for major corporations, government organization, and property owners to resolve their specific facility problems:

- Resolve the building's "sick building syndrome" complaints.
- Identify solutions to extensive biological contamination building related illnesses in renovated office buildings.
- Develop solutions for HVAC systems, temperature controls, equipment, operating and maintenance practices causing IAQ problems in schools and commercial buildings.
- Commission new and renovated facilities to minimize or eliminate IAQ issues before they become problems.
- Develop and establish master plans as well as conduct training seminars for IAQ of schools and commercial buildings.

As one of the Nation's leaders in Indoor Air Quality, ZDS produces sophisticated technical expertise that enables *Our Client* to be proactive in solving and preventing indoor environmental problems.

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 that includes:

- **P**roviding detailed analysis of facilities.
- **R**ecommending sound and proven energy saving solutions.
- **I**mplementing energy management improvements
- **D**etermine, quantify and assist in securing available Utility & Government grants.
- **E**valuating and documenting utility savings.

Todd Zachwieja received *AEE's LEGENDS IN ENERGY AWARD* in 2007 and 2008 for lifetime achievements in energy. 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.
- Installing Direct Digital Control (DDC) Energy Management Systems.
- Replacing inefficient lighting equipment with energy efficient ones.
- Converting constant speed air handling equipment and pumping systems to variable speed operation.
- 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.

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.

The ZDS team is trained and experienced in advising you of program options to incorporate energy efficiency and operational saving 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 saving options and providing supporting financial information. We then help you to 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's certification recognizes the importance of commissioning. The design and construction industry have had start-up problems when a facility is occupied and constructions' deficiencies that were not discovered until the contractors traditional one-year warranty period expires. 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.

Subsequent to joining ZDS, Todd Zachwieja established commissioning services for one of the nation's largest energy service companies. He is also a ***LEED's Accredited Professional.*** Many utility companies and building Owners now require commissioning for the new or renovated facilities in order to maximize the use of their investments in their facilities and to obtain LEED's certification. 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.
- Commission new and renovated facilities to minimize or eliminate IAQ issues before they become problems.

ZDS and its consultants, offer commissioning services for their commercial and institutional clients including meeting LEED's enhanced commissioning requirements. These services include strategic planning operations assistance for renovation and new construction projects. Commissioning services consists of construction document review, equipment performance testing, documentation of design criteria, value engineering, operational fine tuning, 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 Owners operational needs.

NATIONAL RECOGNITION

The National Conference on Building Commissioning invited Todd Zachwieja, ZDS's owner, to speak. 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.

The principal owners of ZDS and their consultants have extensive experience in building commissioning and have saved their customers hundreds of thousands of dollars in construction costs and operating costs through their efforts.

The design team at ZDS **Design/Consulting Services** is the best to provide engineering services for **your** project. Satisfying *our Client's* individual needs and distinct requirements is the foremost concern of ZDS.

> ***The most important member of the design team is the client. We make every effort to involve our clients throughout the entire process, from the planning through the construction and beyond.***

The ZDS design staff continuously provides engineering design services value well into the millions of dollars on a variety of project types. Designing expertise goes as far back as 1958. Through the efforts of our staff, project locations include:

West Virginia	Virginia	North Carolina	Georgia
Kentucky	Ohio	Pennsylvania	Florida
Illinois	Connecticut	Texas	Michigan
New York	Wisconsin	Massachusetts	Indiana
Colorado	Tennessee	Maryland	Washington DC
California	Hawaii	South Carolina	

Our clients can rest assured that the design team will be available. Not just for the year or two that we are involved in the initial design and construction, but also for years that follow as questions arise about your facility. A good-engineered system and its equipment should last 15 to 40 years. Why not select a design firm with experienced staff committed to their projects with a comparable track record.

Our 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.

Our 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 and the West Virginia Department of Health.

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 Client's*** needs, on time and within budget with outstanding quality.

We view 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.

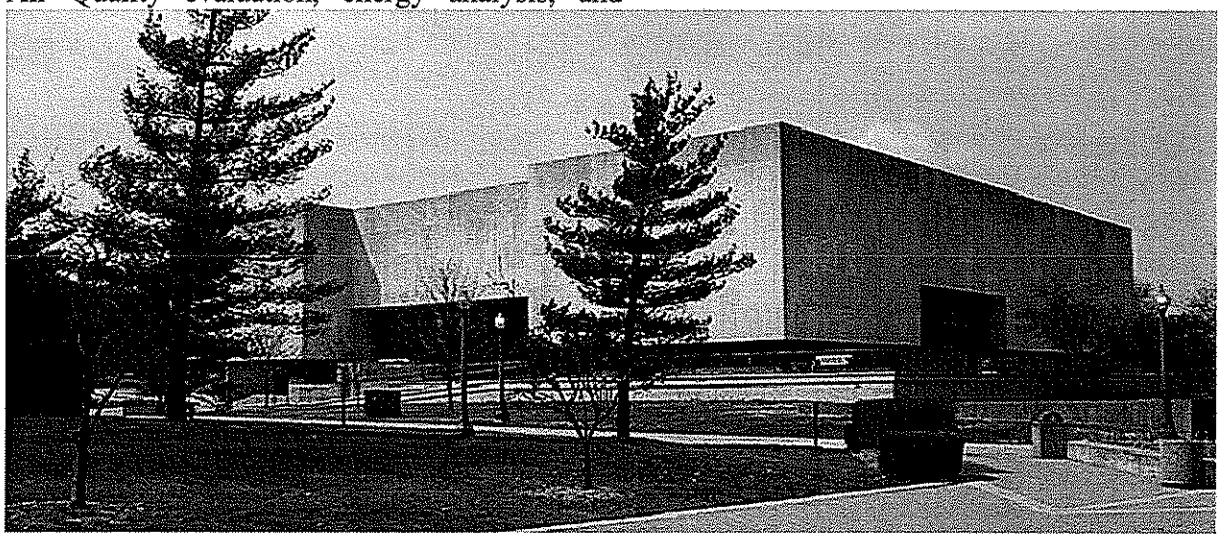
ZDS Design/Consulting Services

Project Name: ***The Museum of Cultural & History - HVAC Renovations***
Client: ***State of West Virginia Charleston, WV***

Client Contact: Mr. Mark Lynch, Director of Facility Operation
Phone (304) 558-0220, x 160
The Cultural Center - Bldg 9
WV Capitol Complex
Charleston, WV 25305

Mechanical/Electrical/Fire Protection design, bidding and construction administration services for retrofitting the 228,500 ft^2 museum and protecting the artifacts.

Services: Engineering Master Planning, Indoor Air Quality evaluation, energy analysis, and



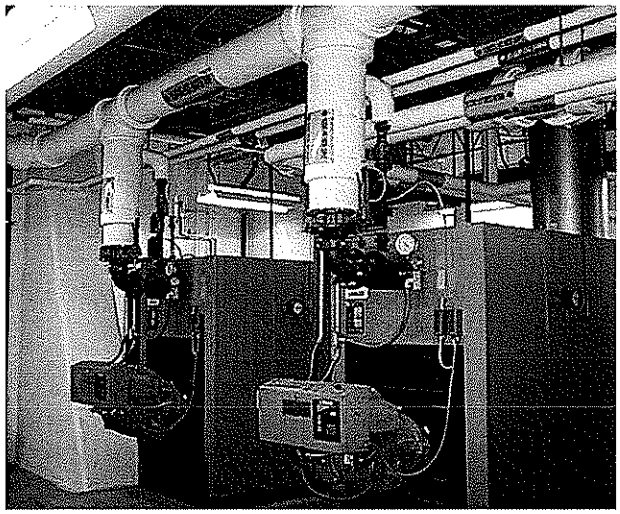
Museum of Culture & History

Project Description

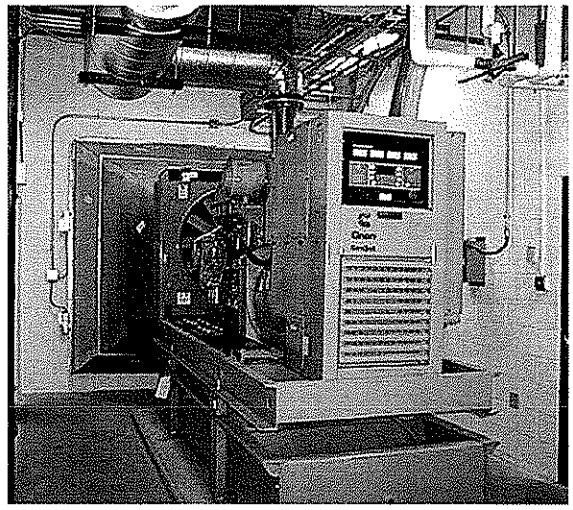
ZDS principals and personnel have been involved in numerous design and recommissioning projects for WV State Capitol Complex while at ZDS and through other employment over their careers. These projects required the engineering planning, design, supervision, preparation of construction documents, specifications, construction administration, and commissioning of HVAC systems, sprinkler systems, plumbing systems, electrical power, lighting, fire alarm, security, technology and communications *ZDS* completed the design for the WV Division of Culture and History correcting their long term HVAC and Indoor Air Quality problems in 2001 and were contracted again in 2008 for providing fire alarm and fire protection upgrades.

Lack of humidity control damaged many of the State's priceless artifacts. Books and other State collections were deteriorating rapidly due to lack of proper control of temperature, humidity, and

filtration. The occupants had also experienced allergic reactions and discomfort from the long term high humidity conditions. ZDS identified and designed the solutions. Conserving energy without sacrificing comfort or indoor air quality was a major consideration. The design included converting an all electric resistance heating system to natural gas, comprehensive DDC controls for central monitoring and control, converting AHU's from constant air volume to variable air volume while meeting stringent ASHRAE Indoor Air Quality requirements, provide variable water volume pumping and interfacing with the facility into the new District campus chilled water system to reduce long term operating cost. The design also included providing new boiler plant with redundancy heating and piping distribution system and an emergency generator to help protect the States priceless collections.



New Boiler Plant



New Emergency Generator

The mechanical and electrical renovations for the State of West Virginia Library Commission stacks and office spaces were also part of a $4.5 million dollar HVAC and Electrical Renovations for the Division of Culture and History. The retrofits saved energy, improved indoor air quality, and comfort within the building. The Cultural Center renovations were estimated to save near $153,000 annually over the costs of operating the old system. The fire alarm and sprinkler renovations project is scheduled to be completed in 2010.

ZDS is also involved with master planning and design for the District heating system through a Performance Contracting program for the WV Capitol Complex and was selected to provide engineering planning and design services directly through the WV Division of Protective Services for the WV Capitol Complex and all State of WV owned or operated facilities for security, intercom, emergency power, HVAC systems as they relate to security, fire alarm and related systems. This multiyear agreement could be in effect for 10 years.

Total Cultural Center Project Cost:	**$6,800,000**
Size:	**228,500 FT^2**
Completion	**2001 for HVAC, 2010 for FA/Sprinklers**

Estimated Energy Savings: **Reduce HVAC Operating Costs up to 50%.**

ZDS Design/Consulting Services

Project Name: ***Harris Hall - HVAC and Electrical Retrofits***
Client/Location: ***Marshall University, Huntington, WV***

Client Contact: Mr. Tony Crislip,
Project Manager,
Mechanical/ Electrical Trades
One John Marshall Drive
Huntington, WV 25755-2450
Phone (304)-696-6241

Services: Engineering planning, design, bidding and construction administration services HVAC, Plumbing & Electrical retrofits, DDC Controls, AHU's replacement, chiller replacement, VWV pumping, new electrical service, switchgear and fire alarm systems.

Project Description

Harris Hall, on Third Avenue, was originally constructed in 1976. The four-story building houses the departments of classical studies, geography, history, religious studies, philosophy, psychology, counseling and rehabilitation, adult and technical education, and administrative education. Marshall University recognized that the HVAC and electrical systems were at the end of their expected service life and were experiencing frequent equipment failures, power outages and numerous complaints on comfort and "stuffy air". The plumbing was also wasteful with an opportunity to incorporate water saving features into the existing plumbing systems.

Marshall University initially contracted ZDS to evaluate Harris Hall's existing mechanical/electrical/plumbing systems and prepare an extensive report. ZDS's cost estimates showed it would take $3 million to meet their needs. The planning document covered multiple HVAC approaches with advantages and disadvantages for each to provide a comfortable environment while addressing Indoor Air Quality, energy efficiency, operating costs and meeting the Owner's goals. The report also covered related work including roof replacement, lighting upgrades, and energy/operating conservation measures.

We worked with the University on different approaches to fit the project within available funding while defining alternates that would permit the Owner to complete the HVAC/Electrical/Plumbing retrofits if more funding could be found or to phase the work as funding was found. With the aid of ZDS's planning, Marshall University was able to phase the project. The facility was vacated for less than 60 days in the summer of 2006 to allow the contractor to perform the major construction efforts without working around the occupants. The project was successful through careful planning and coordinating construction efforts between the University, the design and the installation.

The HVAC system had a direct impact on the health and safety of the college students and staff. Previously, occupant comfort was not being maintained and recommended levels of outside ventilation air were not being introduced to the classrooms. ZDS designed a VAV air handling system with reheat HVAC system to address health, safety, and IAQ issues by increasing outdoor ventilation air rates, higher filtration, strict humidity control, DDC monitoring/control, carbon monoxide demand control ventilation, outside air measuring/monitoring and other design strategies. Multiple HVAC options with their associated opinion of costs for modifying, updating and replacing the existing equipment were reviewed with the Owner for their preferences to find the best fit with the existing maintenance staff. A ground mounted air cooled chiller with antifreeze and variable water volume pumping was also designed. All HVAC equipment was designed for full DDC controls for remote monitoring, trouble shooting and energy efficiency. Plumbing fixtures were upgraded with water conserving low flow auto flushing devices to reduce water/sewer costs.

A new addressable fire alarm system, electrical service, electrical switchgear and additional panelboards were also included in the design. A section of the original aluminum bussed switchgear had previously "melted" which caused an extensive outage while a custom replacement part could be manufactured. The electrical retrofits addressed this & energy efficient lighting with motion detectors were also incorporated into the building.

Tony Crislip, Manager, Marshall University stated "***This building serves as a pilot for how all our buildings should be constructed. This building is the most comfortable one on campus!***"

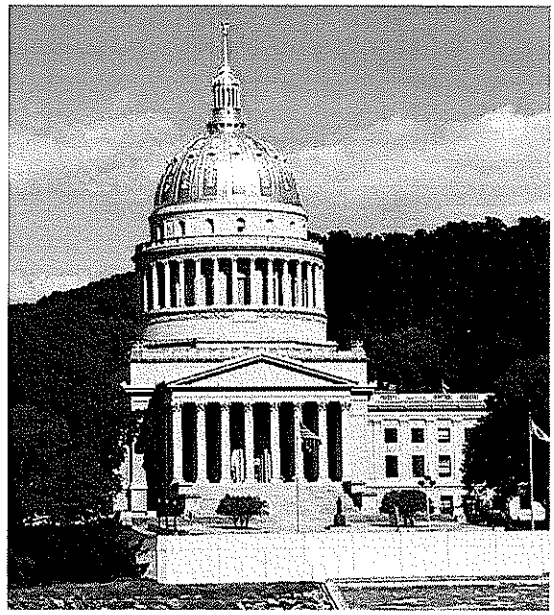
MEP Project Cost:	**$2,856,000**
Project Size:	**56,680 square-feet**
Completion Date:	**Completion fall 2006**

ZDS Design/Consulting Services

Project Name: ***State of WV Capitol Complex Performance Contracting Located in Charleston, WV***

Client Contact: Mr. Russ LaBarbra,
Sr Performance Assurance Eng
Johnson Controls, Inc.
4132 First Ave.
Nitro, WV 25143
Phone: (304)-759-2709
Cell (304) 389-1254

Services: Engineering planning & 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 & chiller optimization.



Project Description

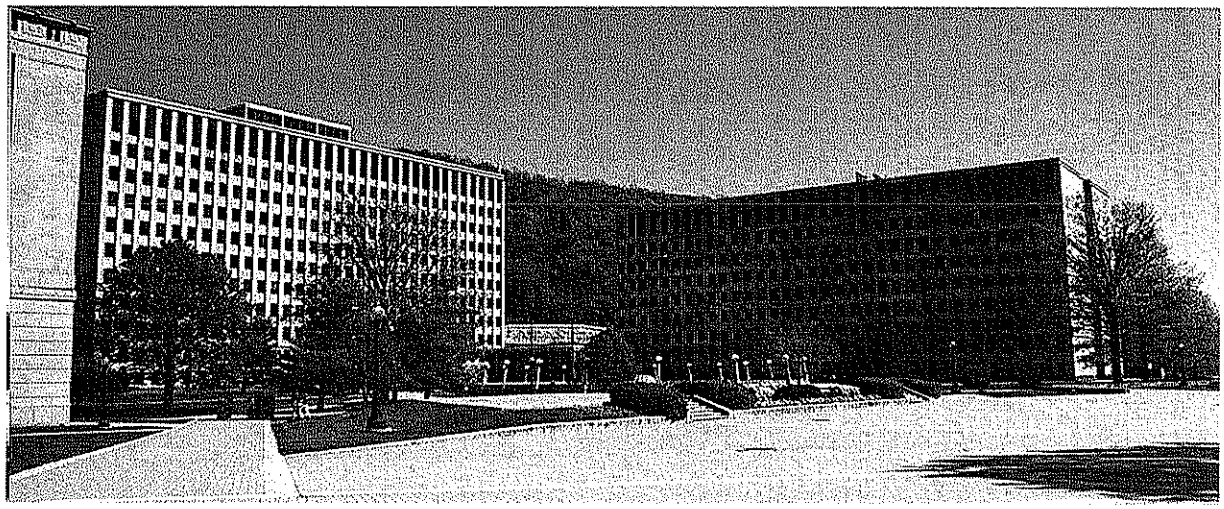
ZDS Design/Consulting Services and Johnson Controls Inc.

The State of West Virginia was aware that their facilities at the Capitol Complex were aging and in need of significant infrastructure upgrades but were having difficulty in appropriating the necessary funding to make such improvements. Many of the existing boilers and other primary heating equipment are past their expected service life and are in disrepair. The State of West Virginia passed a new bill in 2003 that permits Performance Contracting to be used as an avenue for implementing infrastructure upgrades in State facilities provided the upgrades self-fund within a 15 year time period. The State elected to solicit proposals from various ESCO's with the intention of crafting a major improvement project that would reduce operating costs to the State as well as pay for itself over the 15 year period. After an extensive review and selection process, the Team of Johnson Controls Inc. and ZDS Design/Consulting Services was selected. The scope of the proposal included various energy conservation measures to the Capitol Building as well as Buildings #3, 4, 5, 6, 7 and others. Significant HVAC improvements were engineered for the Capitol Building, as well as Buildings #3, 4, 5, 6, 7, 8 (Governor's Mansion) and provisions for #10 (Holly Grove) plus additional future capacity.

A central heating plant anchored the Facility Improvement Measures. It yielded the elimination of 14 failing boilers with provisions for future expansion of up to 250,000 square-feet of office space. A centralized heating plant offers greater efficiency in overall system operation,

centralized control and maintenance of primary heating equipment, with the added benefit of supplemental capacity in the event of a boiler failure. The first phase of the program began in May 2005 with the evaluation of the existing heating plants, HVAC equipment, and their sub-systems to quantify deficiencies and potential opportunities to improve comfort, IAQ, extension of equipment life and an overall reduction in operating costs. Preliminary engineering studies reflected that millions of dollars could be saved annually in energy, operating cost and deferred capital costs by implementing this multi-million dollar program.

Some typical improvements include either the replacement or retrofit of major air handling units, reestablishing proper control strategies, reducing outdoor air intake quantities when allowable, installing new building automation equipment, general HVAC equipment repairs and replacement, documentation of existing and post construction conditions, and establishing a consistent overall operating strategy. Individual HVAC systems are also being enhanced to meet applicable codes and standards. Exhaustive hours were spent with the State in assisting them with the identification and prioritization of facility improvement measures. The time spent also identified potential construction issues with an emphasis on critical phasing requirements.



The program's work was expanded as the State realized the value of the program and aids in helping them operate their facilities more efficiently and effectively. The WV Division of Protective Services also incorporating some of the integrated campus wide security, fire alarm, intercom, emergency power, and communications infrastructure upgrades either in with the base program work, or through separate projects planned for 2,137,400 square-feet involving 15 buildings at the campus.

Performance Contracting Program Costs:	**Up to approximately $20,000,000**
Potential Savings:	***Improvements self-fund within 15 years***
Size:	**1,929,155 FT^2**
Completion:	**2007 for Construction**

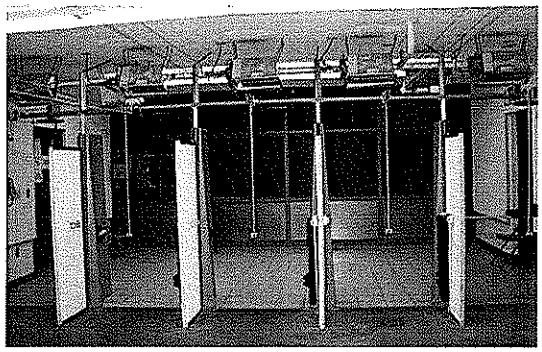
ZDS Design/Consulting Services

Client: ***West Virginia Army National Guard***

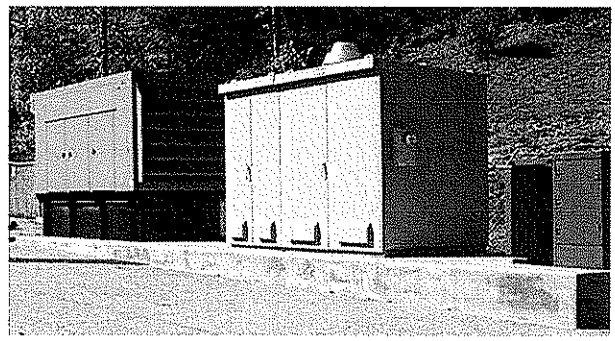
Client Contact: LT. Todd Justice, WVANG Project Mgr.
Charleston, WV

Project Description

ZDS Design/Consulting Services and its principals Ted and Todd Zachwieja were involved in many mechanical/electrical/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. All four indoor firing ranges, located in Charleston, Pt. Pleasant, Kenova and Wheeling, WV had failed to meet current standards. ZDS's evaluation and engineering efforts helped provide low cost solutions to restore operation and bring the four facilities back into compliance.



Indoor Firing Ranges



Emergency Generator Stations

Previous WV National Guard experience of ZDS personnel includes numerous HVAC and electrical renovations to facilities at Camp Dawson and Charleston including the Maintenance Engineering Building, Squadron Operations Building, AVGAS Facility, Air Guard Headquarters' Building, Air Craft Hanger Heating & Ventilation, Paint Spray Booth HVAC, Barracks HVAC/Electrical/ Security Renovations, Mess Hall MEP Renovations and many more.

Total MEP Project Cost: **Over $4,000,000**

ZDS Design/Consulting Services

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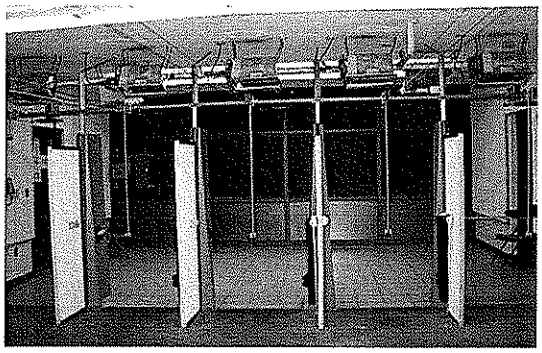
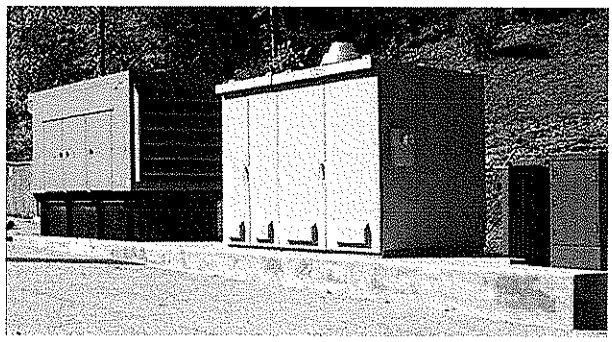


Indoor Firing Ranges



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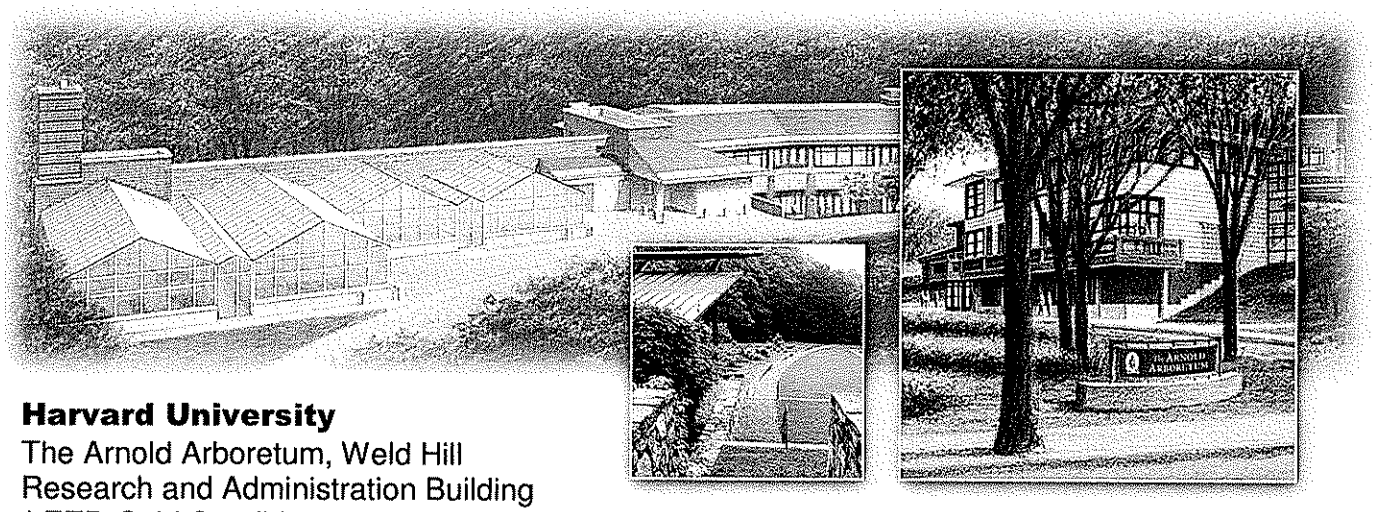
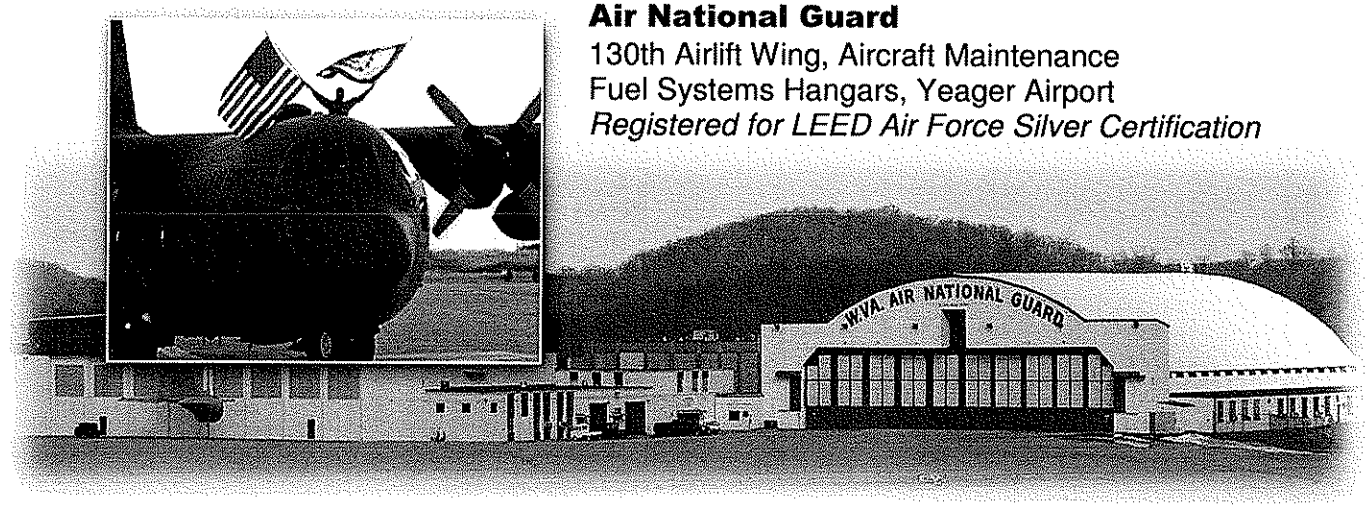
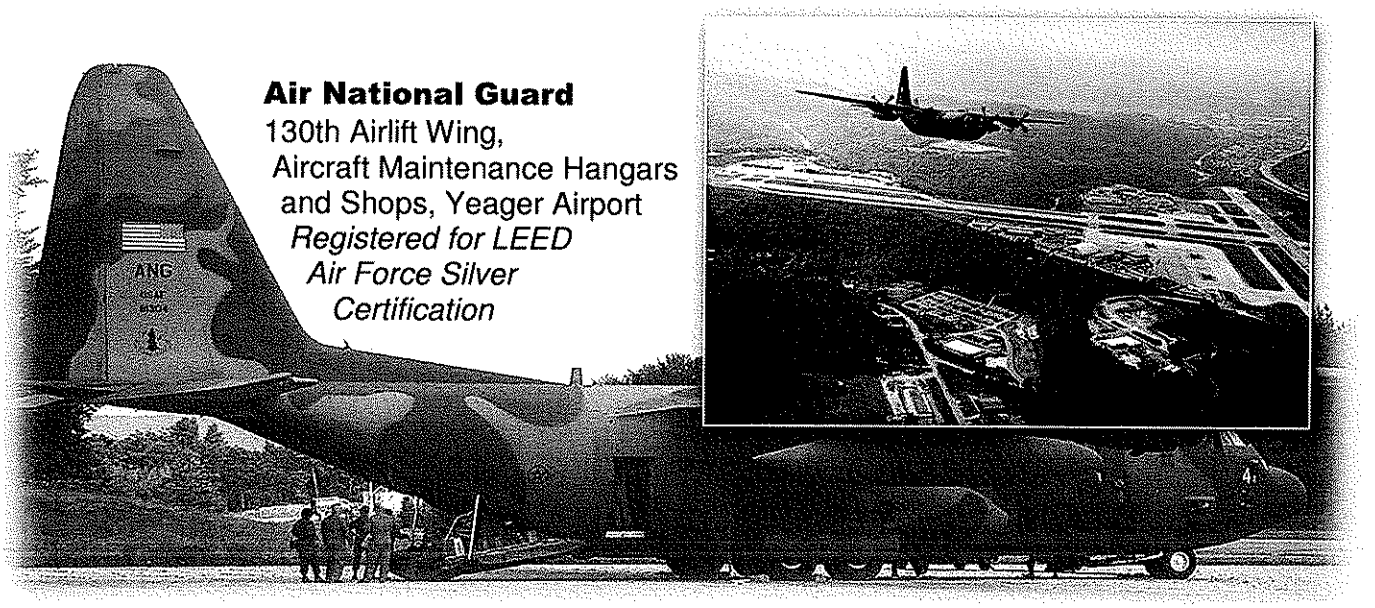
ZDS Project Experience — LEED



Harvard University
The Arnold Arboretum, Weld Hill
Research and Administration Building
LEED Gold Candidate



Air National Guard
130th Airlift Wing, Aircraft Maintenance
Fuel Systems Hangars, Yeager Airport
Registered for LEED Air Force Silver Certification



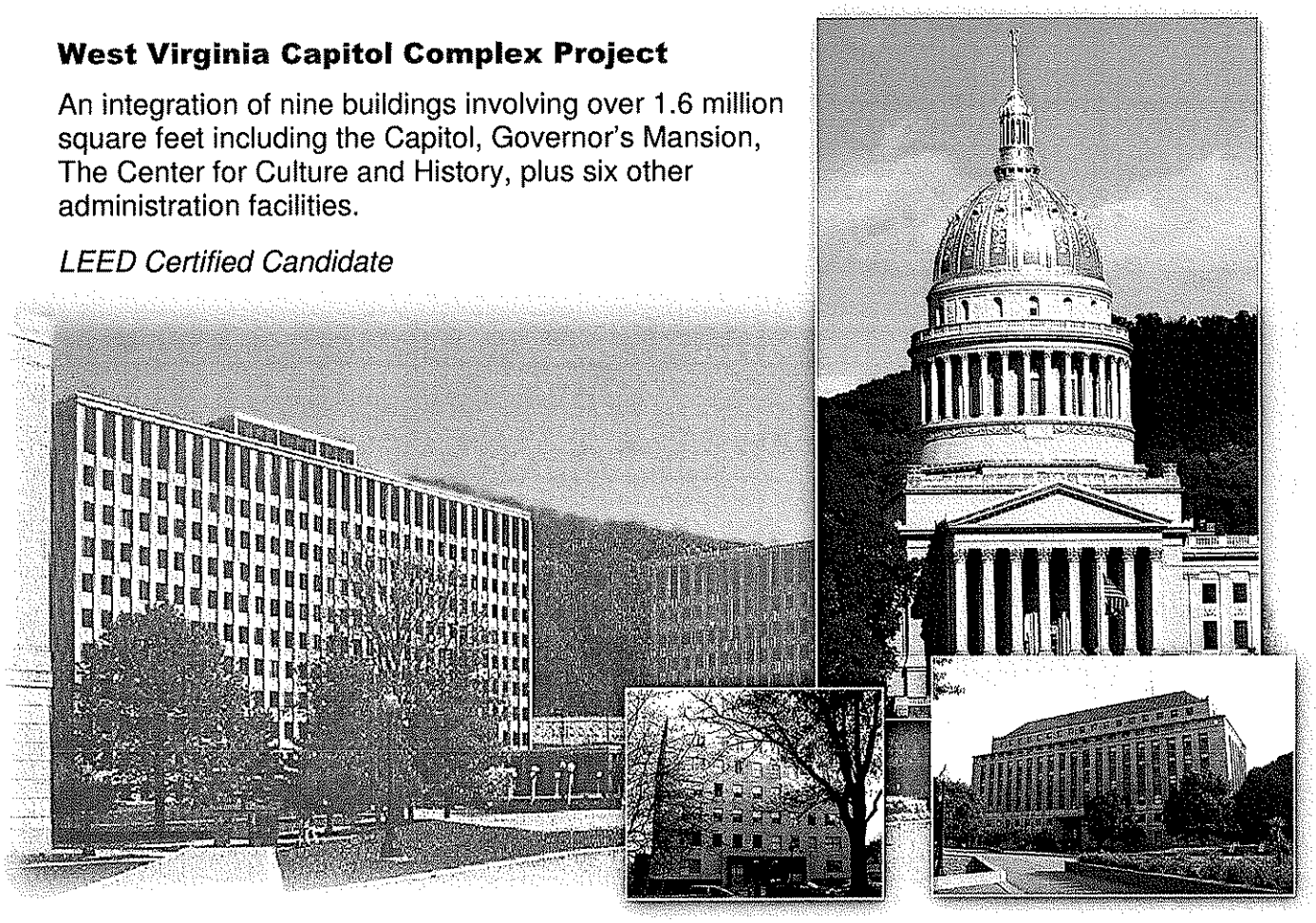
Air National Guard
130th Airlift Wing,
Aircraft Maintenance Hangars
and Shops, Yeager Airport
Registered for LEED
Air Force Silver
Certification

ZDS Project Experience — LEED

West Virginia Capitol Complex Project

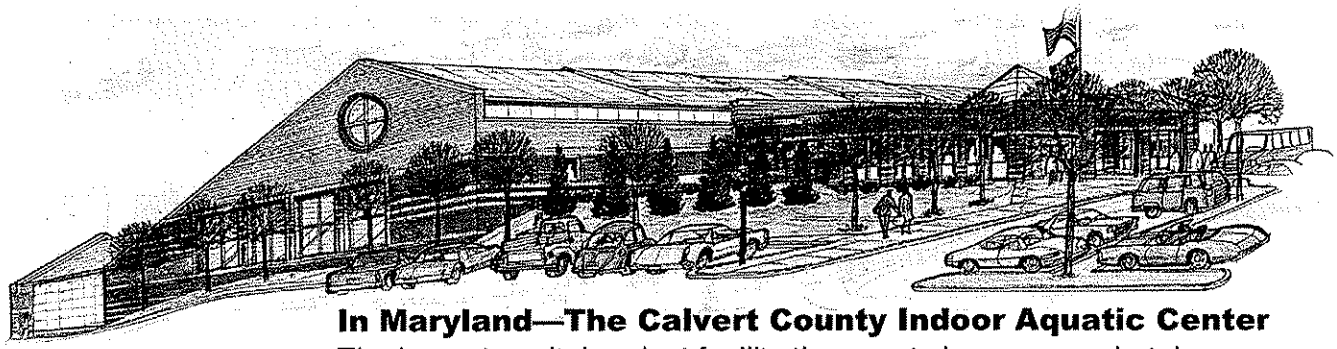
An integration of nine buildings involving over 1.6 million square feet including the Capitol, Governor's Mansion, The Center for Culture and History, plus six other administration facilities.

LEED Certified Candidate



ZDS Projects with Adapted LEED Principles including Commissioning

University of California Davis Campus Veterinarian Facility



In Maryland—The Calvert County Indoor Aquatic Center

The largest capital project facility the county has ever undertaken

TODD (TED) A. ZACHWIEJA, PE, C.E.M., LEED AP

Chief Executive Officer
Principal-in-Charge, M/E/P Design Project Manager

Education

Bachelor of Science in Mechanical Engineering from West Virginia Institute of Technology in 1982.
Masters of Science in Engineering Management from the University of West Virginia College of Graduate Studies in 1989.

Registrations

Professional Engineer, West Virginia, No. 10,127
Certified Energy Manager (C.E.M.), National Certification
LEED® Accredited Professional, National Certification through USGBC
Professional Engineer, Pennsylvania, No. PE-040929-R
Professional Engineer, Virginia, No. 0402 025427
Professional Engineer, Ohio, No. E-53587
Professional Engineer, North Carolina, No. PE-017445
Professional Engineer, Kentucky, No. PE-17961
Professional Engineer, Georgia, No. 18253
Professional Engineer, South Carolina, No. 25985

Qualifications

Todd has more than 27 years of experience; in the design, construction management, and specifications for mechanical engineering, heating, ventilating, air conditioning, plumbing, electrical, and lighting; indoor air quality analysis and building system commissioning for educational, commercial, industrial and health care facilities. His specialties include mechanical engineering, HVAC systems master planning, conceptual design, energy conservation program development, commissioning and IAQ analysis relating to HVAC systems. He has extensive experience in industrial, commercial facilities, hospitals and educational design including preparation of construction documents for millions in renovations and additions to facilities. Some of his project experience includes projects new Mercer County Courthouse, Princeton, WV, Kanawha County Commission – 120,000 sf additions/renovations for the Judicial Annex/Kanawha County Courthouse Charleston WV, Laidley Towers – Charleston WV, Renovations to Buildings #1, #3, #4, #5, #5, #7, #8, #9, #10 at the WV State Capitol complex, Cultural Center HVAC Renovation, Union Carbide, United Center - Charleston WV, Phillip Morris USA, Rhone-Poulenc, Toyota, Olin Corporation, Walker Machinery, WV Air & Army National Guard, Bank One, WV; Kohl's, Sears, WV Public Service Commission Headquarters, and Yeager Airport. He also designed one of the largest geothermal heat pump applications in the mid Atlantic region, commissioned HVAC systems and mechanical engineering at many General Motors facilities in North America.

Some of his health care experience includes millions in renovation and new construction design for Charleston Area Medical Center including commissioning of Charleston Area Medical Center's $41 million Surgery Replacement center and many projects at General Division, Memorial Division, and Women & Children's Hospital. Other heath care experience includes Bluefield Regional Medical Center, Hopemont Hospital, Monongalia General Hospital, Montgomery General Hospital, United

Hospital Center, St. Mary's Hospital, Summersville Memorial Hospital, Thomas Memorial Hospital, Webster Memorial Hospital, Cabell Huntington Hospital, Welch Emergency Hospital, Surgicare Center, VA Hospital - Clarksburg, Mercy Medical Center, Wayne Memorial and Webster Memorial Hospital.

He also has experience in providing M/E design for the following College and Universities including:, Alderson Broadus College, Bluefield State College, Concord University, Fairmont State College, Marshall University, Ohio University's Athens & Chillicothe campuses, Southern WV Community & Technical College, University of California-Davis, University of Charleston, Washington & Lee University, WV Wesleyan College, and West Virginia University. He was recognized nationally for his work with Ohio University in development of a performance contracting program that is anticipated to save $2.5 million annually in energy and operating costs.

He also has experience in providing M/E design for the following schools: Clay, Grant, Hardy, Harrison, Jackson, Kanawha, Logan, Marion, McDowell, Mercer, Monroe, Ohio, Pocahontas, Putnam, Raleigh, Randolph, Ritchie, Summers, Taylor, Tucker, Upshur, Webster, and Wyoming County Schools. Some of his project experience includes the development and design of a pilot geothermal heat pump HVAC with variable speed pumping system at Webster County High School which reduced electric bills by more than 40% while meeting IAQ requirements.

Prior to joining **ZDS**, Todd Zachwieja coordinated millions in comprehensive energy conservation programs resulting in annual energy saving millions per year and managed a profitable regional office for one of the countries largest energy service companies. He also developed computer programs for building energy analysis and monitoring and presented technical papers at regional and national conferences.

Professional Affiliations

Charter member Mountaineer chapter of American Society of Heating Refrigeration and Air conditioning Engineers (ASHRAE)
Served as ASHRAE's Energy and Technical Affairs Chairman for 6 years.
Recognized by the International Who's Who of Professionals.
Recognized nationally as West Virginia's Business Man of the Year
Recognized nationally in 2007 as a "Legend in Energy"
Charter life member of the Association of Energy Engineers
Professional Affiliate Member of the American Institute of Architecture
Member of the American Association of Hospital Engineers
Member of the National Society of Professional Engineers
Member of National Society of Plumbing Engineers
Member of the International Code Council
Contributing editor and served on the Editorial Review Panel for "The Handbook of Building Management and Indoor Air Quality", "Ventilation for a Quality Dining Experience", INvironment Professional, Power Prescriptions and other publications and articles dealing with Indoor Air Quality (IAQ) and MEP engineering systems.
Presented at regional and national conferences including the National System Commissioning Conference

TED T. ZACHWIEJA

Principal-in-Charge Construction Administration

Education

Bachelor of Science in Mechanical Engineering, West Virginia Institute of Technology, 1958.

Qualifications

Ted's responsibilities include over 40 years of experience in mechanical and electrical systems design and construction administration. His specialties include the design and development of mechanical and electrical systems, master planning and budgeting for mechanical and electrical systems, and management of complex design and construction projects. He is also a Codes and Standards Specialists.

He has been involved in West Virginia since 1958 in all aspects of mechanical and electrical design and construction, including machine design, structural design and design of heating, ventilating, air conditioning, plumbing, fire protection and electrical systems. His experience includes work for U. S. Steel, Union Carbide, Rhone-Poulenc, Bluefield Regional Medical Center, Charleston Area Medical Center, United Hospital Center, Kanawha County Schools, Marshall University, most buildings on the West Virginia Capitol Complex, West Virginia Institute of Technology, West Virginia University, Bank One and many others in the private sector.

Ted's Design regarding Chase Towers, Charleston, formerly Charleston National Bank, including conducting a comprehensive energy audit, design of a Building Automation Energy Management System, HVAC renovations of floors LM and LM1, design of flat plate heat exchanger system for the perimeter fan coil units and design of the boiler replacement.

Ted has been involved in the planning, design and construction administration of Concord University's Technology Center and Concord's campus medium voltage upgrades, Marshall University's Harris Hall renovations, Southern WV Community & Technical College's renovations, West Virginia University's White Hall and Armstrong Hall, WVU's Wise Library Sprinkler System, WVU's Chilled Water Loop Interconnect, Morgantown, WV; Charleston Area Medical Center (CAMC), Memorial Division Chiller Replacement; CAMC's General Division Chiller Replacement, Variable Pumping System and Chillers Interconnect, Charleston, WV; and many others. He has worked on new and renovation projects such as West Virginia University Stadium and Forestry Building, Morgantown, WV; Addition and Renovation of the Air Conditioning System for the West Virginia State Capitol Building, Charleston, WV; Conley Hall and Science Building HVAC Renovations and Additions, West Virginia Institute of Technology, Montgomery, WV; Indoor air quality (IAQ) and HVAC Renovations of Andrew Jackson Junior High School for Kanawha County School Systems; Fume Hood

Design and HVAC Additions and Renovations for Union Carbide, Charleston, WV; and Rhone Poulenc, Institute, WV; HVAC renovation for the Benedum Student Center at West Virginia Wesleyan College, Buchannon, WV; Greenbrier East and Greenbrier West Schools; Mingo County Schools; Raleigh County Schools including Shady Springs Middle School, Trap Hill Junior High School, Academy of Career and Technology Center, Marsh Fork Elementary, Park Middle School, Woodrow Wilson High School and others, Pocahontas County High School (Geothermal), Wyoming County Schools; Tucker County Schools; Webster County High School & Webster Springs Elementary School HVAC Renovations (Geothermal) and Exterior Renovations, and various other secondary schools throughout the years.

Ted was involved with the mechanical and electrical renovations for the State of West Virginia Library Commission Cultural Center as part of a total $4.5 million HVAC and Electrical Renovations, Charleston, WV. The indoor air quality, temperature and humidity each were not in accordance with good design practices for this type of structure. ZDS is commissioned to correct these deficiencies while conserving energy.

Ted was selected as one of three engineers to train and teach a course designed by the Department of Energy and American Society of Heating, Refrigeration and Air Conditioning Engineers for emergency building temperature restrictions.

Prior to forming ZDS, Ted was regional manager for a hospital design firm and responsible for designing, construction management and project management for over $200 million in hospital and health care facilities. The facilities were located over eastern United States. Some of his health care experience includes millions in renovation and new construction design for Charleston Area Medical Center's Special Care Facility. Other local heath care experience includes Bluefield Regional Medical Center, Hopemont Hospital, Monongalia General Hospital, Montgomery General Hospital, United Hospital Center, St. Mary's Hospital, Summersville Memorial Hospital, Thomas Memorial Hospital, Webster Memorial Hospital, Cabell Huntington Hospital, Welch Emergency Hospital, Surgicare Center, VA Hospital - Clarksburg, Mercy Medical Center, and Webster Memorial Hospital

Professional Affiliations

Construction Specifications Institute (Charter Member)
American Society of Mechanical Engineers
American Society of Heating, Refrigeration & Air Conditioning Engineers
WV Mountaineer Chapter ASHRAE Past President and Charter Member
Association of Energy Engineers
Association of Hospital Engineers
WV Society of Hospital Engineers
Professional Affiliate Member of AIA
WV Association of Physical Plant Administrators

MARK A. MOORE, P.E.

Project Manager: Electrical, Mechanical & Plumbing

Education

BS in Electrical Engineering from West Virginia University Institute of Technology, Montgomery, WV in 2001

Registration

Professional Engineer, West Virginia, No. 17286

Qualifications

Mark has more than 8 years of experience in electrical engineering, lighting, plumbing, technology, mechanical engineering, heating, ventilating, air conditioning, for educational, commercial and health care facilities. He researches and applies, International Building Codes, NFPA, Illuminating Engineers Society standards and National Electric Code in design. Mark has a strong background in microprocessor and microcomputer design. He is also responsible for Information Technology functions for ZDS and our customers.

Mark is also an information systems and technology specialist and provides networking solutions and Windows based programming system solutions.

Mark specializes in electrical power, security, fire alarm, lighting, plumbing, HVAC piping, and fire protection. Some of his educational and health care project experience includes: Charleston Area Medical Center, Bluefield High school renovations/Performing Art Center, Clay Elementary School HVAC Renovations, Concord University Technology Center, Elkins Middle School Renovations, H. J. Keiser Elem renovations, Hopemont State Hospital Fire Alarm renovations, James Monroe High School renovations, Ohio University Bennett Hall M/E Renovations, Park Middle School renovations, Ravenswood High Renovations, Tucker County High/Career Center renovations, Webster Springs Elementary School geothermal heap pump system, Winfield High School HVAC/Electrical renovations, Pocahontas Co High School Renovations/science center additions, new McDowell County Southside K-8 school, Woodrow Wilson High School HVAC/Electrical renovations, United Hospital Center Wound Center and others.

His commercial experience includes; Cass Railroad Clubhouse renovations, DOT Rest Area and Welcome Center prototypes for the WV Department of Transportation, 4-H Camp Muffly Training/Dining facility, Hardy Co. Daycare facility, Jackson County Courthouse Annex renovations, Kanawha County Judicial Annex Renovations, new Mercer County Courthouse Annex, multiple branch bank facilities, Camp Dawson Barracks security renovations, award winning Webster County IMC office facilities, Pendleton County Courthouse additions/renovations, new Webster Co. Multi-tenant Bldg., WV Capitol Complex Performance Contracting HVAC retrofits, WV Capitol Complex Master Planning for Security/Fire Alarm/Life Safety systems and others.

WYK associates, inc
architecture
planning

WYK's List of Repeat Clients

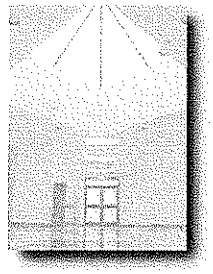
West Virginia

Harrison County Bank

Davis Memorial Hospital

Kappa Sigma Pi

Citizens' National Bank of Elkins



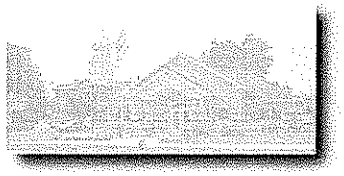
World Vision

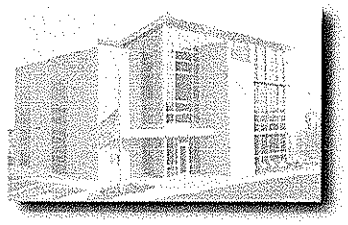
Dominion Exploration and Production

Harrison County Board of Education

North Central West Virginia Airport

Lewis County Board of Education





Fairmont State University

Corhart Refractories

West Union Bank

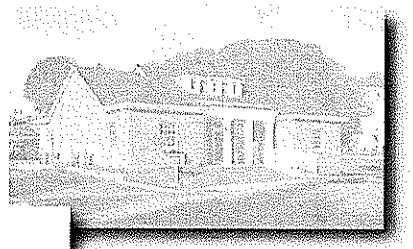
Harrison County YMCA

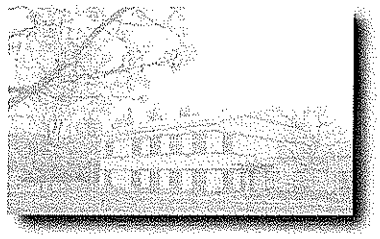
United Hospital Center

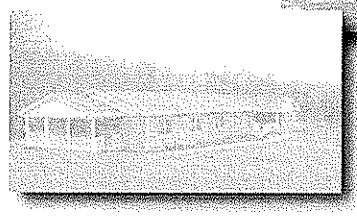
Harrison County Commission

Harrison County Development Authority

United Summit Center







Daisy Development

ARC of Harrison County

City of Bridgeport

Webster County EDA

City Neon

Stockmeir Urethanes

Toothman & Rice

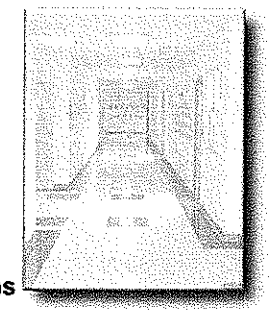
Harrison County Senior Citizens

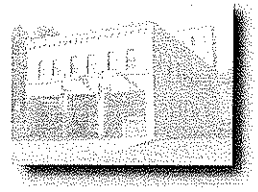
City of Clarksburg

Barbour County Board of Education

Greathouse Funeral Home

Harrison County Courthouse Renovations





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References

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