



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

# Request for Quotation

RFQ NUMBER
GSD126401

PAGE
1

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

RFQ COPY  
TYPE NAME/ADDRESS HERE

V  
E  
N  
D  
O  
R

S  
H  
I  
P  
T  
O

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

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

BID OPENING DATE:

04/12/2012

BID OPENING TIME 01:30PM

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

RECEIVED

2012 APR 12 AM 11:00

WV PURCHASING  
DIVISION

SIGNATURE		SEE REVERSE SIDE FOR TERMS AND CONDITIONS		TELEPHONE		DATE	
				304 346-5361		4/12/2012	
TITLE		FIRM		ADDRESS CHANGES TO BE NOTED ABOVE			
PRESIDENT		31-1126048					

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



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

# Request for Quotation

RFQ NUMBER

GSD126401

PAGE

2

ADDRESS CORRESPONDENCE TO ATTENTION OF:

KRISTA FERRELL  
304-558-2596

RFQ COPY

TYPE NAME/ADDRESS HERE

V  
E  
N  
D  
O  
R

S  
H  
I  
P  
T  
O

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

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
03/21/2012				
BID OPENING DATE: 04/12/2012				

BID OPENING TIME 01:30PM

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

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE	TELEPHONE	DATE
<i>Handwritten Signature</i>	304 346-5361	4/12/2012
TITLE	FAX	ADDRESS CHANGES TO BE NOTED ABOVE
PRESIDENT	31-1126048	

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



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

# Request for Quotation

RFQ NUMBER

GSD126401

PAGE

3

ADDRESS CORRESPONDENCE TO ATTENTION OF

KRISTA FERRELL  
304-558-2596

RFQ COPY

TYPE NAME/ADDRESS HERE

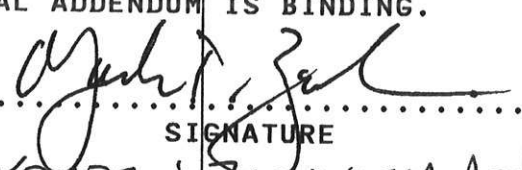
V  
E  
N  
D  
O  
R

S  
H  
I  
P  
T  
O


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

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
03/21/2012				
BID OPENING DATE: 04/12/2012				

BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.						
 SIGNATURE KREPS + ZACHWIEJA ARCHITECTS COMPANY 4/12/2012 DATE						
NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE EOI.						
REV. 09/21/2009						
BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.						
NOTICE						
A SIGNED EOI MUST BE SUBMITTED TO:						
DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE		TELEPHONE	304 346-5361	DATE	4/12/2012
TITLE	PRESIDENT	FEIN	31-1126048	ADDRESS CHANGES TO BE NOTED ABOVE	

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





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

# Request for Quotation

RFQ NUMBER
GSD126401

PAGE
4

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

RFQ COPY  
TYPE NAME/ADDRESS HERE

V  
E  
N  
D  
O  
R

S  
H  
I  
P  
T  
O

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

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

BID OPENING DATE:

04/12/2012

BID OPENING TIME 01:30PM

LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
THE EOI SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE EOI MAY NOT BE CONSIDERED:						
SEALED EOI						
BUYER:				KRISTA FERRELL-FILE 21		
EOI. NO.:				GSD126401		
EOI OPENING DATE:				04/12/2012		
EOI OPENING TIME:				1:30 PM		
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR EOI:						
				304-346-5365		
CONTACT PERSON (PLEASE PRINT CLEARLY):						
MARK T. ZACHWIEJA						
***** THIS IS THE END OF RFQ GSD126401 ***** TOTAL:						

SIGNATURE		SEE REVERSE SIDE FOR TERMS AND CONDITIONS		TELEPHONE		DATE	
				304 346-5361		4/12/2012	
TITLE		FEIN		ADDRESS CHANGES TO BE NOTED ABOVE			
PRESIDENT		31-1126048					

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



State of West Virginia  
Department of Administration

General Services Division  
Architecture and Engineering Section  
Building 4 Renovations– GSD 126401

**EXPRESSION OF INTEREST**  
**Architectural / Engineering Services**  
**Building 4 Renovations**  
**112 California Avenue**  
**Charleston, WV**

**Part 1**

**GENERAL INFORMATION**

**1.1 Purpose:**

The Acquisition and Contract Administration Section of the Purchasing Division "State" is soliciting Expression(s) of Interest (EOI) for General Services Division, "Agency", from qualified firms to provide architectural/engineering evaluation and design and construction phase services for renovation of Building 4 on the West Virginia Capitol Campus. These services may include evaluation, design and construction phase services as defined in section two (2) and three (3).

**1.2 Project:**

Building 4 is a 94,500 square foot office building located on the West Virginia State Capitol Campus at 112 California Avenue. The structure was constructed in the early 1950's and has been in continual use as an office building since that time. The mission or purpose of the project described in sections 2 & 3 is to provide Architectural/Engineering (A/E) services to perform a thorough evaluation of the existing building, including functional analysis, building code, life-safety, mechanical and electrical systems; redesign of the existing building to resolve issues noted in the evaluation and to bring the building up to current office building standards. Construction documents and construction phase services will likely be proposed as multi-phase projects keep the building in service during renovations. This EOI may include construction phase services in coordination with the Owner's representative. All design work submitted to the Owner will include an electronic version in AutoCAD format.

**1.3 Format: N/A**

**1.4 Inquiries:**

Additional information inquiries regarding this EOI must be submitted in writing to the State Buyer with the exception of questions regarding proposal submission, which may be oral. The deadline for written inquiries is identified in the Schedule of Events, Section 1.16. All inquiries of specification clarification must be addressed to:

State of West Virginia  
Department of Administration

General Services Division  
Architecture and Engineering Section  
Building 4 Renovations– GSD 126401

Krista Ferrell, Buyer Supervisor  
Purchasing Division  
2019 Washington Street, East  
Charleston, WV 25305-0130  
Phone: (304) 558-2596  
Fax: (304) 558-4115  
[Krista.s.ferrell@wv.gov](mailto:Krista.s.ferrell@wv.gov)

**The firm, or anyone on the firm's behalf, is not permitted to make any contact whatsoever with any member of the evaluation committee.** Violation may result in rejection of the EOI. The State Buyer named above is the sole contact for any and all inquiries after this EOI has been released.

**1.5 Vendor Registration:**

Firms participating in this process should complete and file a **Vendor Registration and Disclosure Statement** (Form WV-1) and remit the registration fee. Firm is not required to be a registered vendor in order to submit an EOI, but the **successful firm must** register and pay the fee prior to the issuance of an actual contract.

**1.6 Oral Statements and Commitments:**

Firm must clearly understand that any verbal representations made or assumed to be made during any oral discussions held between firm's representatives and any State personnel are **not** binding. Only the information issued in writing and added to the Expression of Interest specifications file by an official written addendum is binding.

**1.7 Economy of Preparation:**

EOI's should be prepared simply and economically, providing a straightforward, concise description of firm's abilities to satisfy the requirements of the EOI. Emphasis should be placed on completeness and clarity of content.

**1.8 Labeling of the Sections:** The response sections should be labeled for ease of evaluation.

**1.9 Submission:**

1.9.1 State law requires that the original expression shall be submitted to the Purchasing Division. All copies to the Purchasing Division must be submitted **prior** to the date and time stipulated as the opening date. All expressions will be date and time stamped on the Purchasing Division official time clock to verify time and date of receipt.

State of West Virginia  
Department of Administration

General Services Division  
Architecture and Engineering Section  
Building 4 Renovations– GSD 126401

1.9.2 Firms mailing expressions should allow sufficient time for mail delivery to ensure timely arrival. The Purchasing Division **CANNOT** waive or excuse late receipt of an expression which is delayed and late for any reason according West Virginia State Code §5A-3-11. Any EOI received after the bid opening time and date will be immediately disqualified in accordance with State law and the Legislative Rule 148-CSR-1.

**Submit:**

One original plus (3) convenience copies to:  
Purchasing Division  
2019 Washington Street, East  
P.O. Box 50130  
Charleston, WV 25305-0130

The outside of the envelope or package(s) should be clearly marked:

Buyer:	Krista Ferrell
Requisition #:	GSD126401
Opening Date:	04/12/2012
Opening Time:	1:30 pm

**1.10 Rejection of Expressions:**

The State shall select the best value solution according to §5G-1-3 of the West Virginia State Code. However, the State reserves the right to accept or reject any or all expressions and to reserve the right to withdraw this Expression of Interest at any time and for any reason. Submission of, or receipt by the State of Expressions confers no rights upon the firm nor obligates the State in any manner.

**1.11 Incurring Costs:**

The State and any of its employees or officers shall not be held liable for any expenses incurred by any firm responding to this EOI for expenses to prepare, deliver, or to attend the short-list interviews.

**1.12 Addenda:**

If it becomes necessary to revise any part of this EOI, an official written addendum will be issued by the State to all potential firms of record.

**1.13 Independent Price Determination:**

A contract will not be considered for award if the negotiated price was not arrived at independently without collusion, consultation, communication, or agreement as to any matter relating to prices with any competitor.



State of West Virginia  
Department of Administration

General Services Division  
Architecture and Engineering Section  
Building 4 Renovations– GSD 126401

**1.14 Price Quotations:** No “price” or “fee” quotation is requested or permitted in the response.

**1.15 Public Record:**

**1.15.1 Submissions are Public Record.**

All documents submitted to the State Purchasing Division related to purchase orders/contracts are considered public records. All EOI's submitted by firms shall become public information and are available for inspection during normal official business hours in the Purchasing Division Records and Distribution center after the expressions have been opened.

**1.15.2 Written Release of Information.**

All public information may be released with or without a Freedom of Information request, however, only a written request will be acted upon with duplication fees paid in advance. Duplication fees shall apply to all requests for copies of any document. Currently the fees are \$0.50/page, or a minimum of \$10.00 per request, whichever is greater.

**1.15.3 Risk of Disclosure.**

The only exemptions to disclosure of information are listed in West Virginia Code §29B-1-4. Primarily, only trade secrets as submitted by a firm are the only exemption to public disclosure. The submission of any information to the State by a firm puts the risk of disclosure on the firm. The submission of any information to the State by a vendor puts the risk of disclosure on the vendor. The State does not guarantee non-disclosure of any information to the public.

**1.16 Schedule of Events:**

Release of the EOI	<b>March 23, 2012</b>
Written Questions Submission Deadline	<b>April 05, 2012</b>
Expressions of Interest Opening Date	<b>April 12, 2012</b>
Estimated Date for Interviews, Week of	<b>TBD</b>

**1.17 Mandatory Pre-bid Conference:** N/A

**1.18 Bond Requirements:** N/A

**1.19 Purchasing Affidavit:**

West Virginia State Code §5A-3-10a (3) (d) requires that all firms submit an Affidavit regarding any debt owed to the State and licensing and confidentiality

State of West Virginia  
Department of Administration

General Services Division  
Architecture and Engineering Section  
Building 4 Renovations— GSD 126401

certifications. The Affidavit **must** be signed and submitted prior to award. It is preferred that the Affidavit be submitted with the EOI.

## **PART 2 OPERATING ENVIRONMENT**

- 2.1 **Location:** Building No. 4 is located at 112 California Avenue on the West Virginia State Capitol Complex, Charleston, West Virginia.
- 2.2 **Background:** Building 4, originally constructed in 1952, is a seven story office structure with a basement and mechanical penthouse. The building has a partial fire sprinkler system that pre-dates many current building and life safety code requirements. The building was originally designed to provide flexible office space around a central core. The building needs to be brought up to current office building standards including communication and data systems. The intent of this project is to provide flexible, state-of-the-art open office space for multiple agencies and users. Although Building 4 is not listed on the National Register of Historic Places, the existing style and historic character of the building should be maintained. The building restoration should also continue to integrate the building into the Capitol Campus. Exterior restoration may also be part of the services.

The State intends to have a comprehensive building code, life-safety and MEC evaluation performed with results in report form including analysis and recommendations. The report will also address phasing of the work to permit the renovation while the building is partially occupied. A second phase of the project will provide a comprehensive redesign, construction documents and construction phase services. These services will likely be provided in multiple design packages.

The initial intent is that following acceptance of the design report, the project will proceed with the redesign/restoration of at least two floors plus the Life Safety, MEP support facilities and other work necessary to support later construction in the building. Later design packages will renovate subsequent floors and space as funding becomes available. Space planning may be included in the scope of services for individual floors. Proposed tenants are unknown at the time of this EOI.

## **PART 3 PROCUREMENT SPECIFICATIONS**

- 3.1 **General Requirements:** Firm must provide architectural, mechanical, electrical, structural and other engineering design services to evaluate, redesign, renovate and otherwise enhance Building No. 4 on the West Virginia State Capitol Campus

State of West Virginia  
Department of Administration

General Services Division  
Architecture and Engineering Section  
Building 4 Renovations– GSD 126401

as directed by the Owner. Firms are to be WV licensed Architectural or Engineering (A/E) firms and must be familiar with and have a successful track record of providing architectural and engineering services. The use of specialized consultants is encouraged to achieve optimum results. The firm must have prior experience in commercial renovation projects and be able to demonstrate experience with renovation projects of similar size and type of buildings. The project should meet LEED guidelines with a goal of LEED Silver.

- 3.2 **Project Description:** In addition to producing a complete evaluation in report form and a set of construction (bidding) documents, the successful A/E will be responsible for verifying, coordinating and documenting building components. Note that original construction drawings are not available for this building. The documentation will be provided to the Owner in both paper and electronic formats with drawing files provided in AutoCAD format.

The firm will submit a comprehensive report for all items including the following:

- Existing Conditions
- Space Planning
- Life Safety
- Data/Communications
- Mechanical
- Electrical
- Fire suppression / Fire alarm / smoke control
- Construction Phasing

All project drawings will be in sets of three (3) paper and one (1) in AutoCAD format to allow future changes to the drawings. All drawings and electronic versions will be given to the GSD Architecture / Engineering Section Manager or their designee. The State shall retain copyright control over the final documents and may reuse documents for State facilities management purposes.

### 3.3 **Special Terms and Conditions: N/A**

#### 3.3.1 *Bid and Performance Bonds: N/A*

3.3.2 *Insurance Requirements:*

- \$1,000,000 General Liability per Occurrence
- \$2,000,000 Aggregate
- \$1,000,000 Automobile Liability
- \$1,000,000 Professional Liability
- Workers Compensation Certificate upon award



State of West Virginia  
Department of Administration

General Services Division  
Architecture and Engineering Section  
Building 4 Renovations– GSD 126401

West Virginia Statutory requirements including  
West Virginia Code §23-4-2 (Mandolidis)

### 3.4 **General Terms and Conditions:**

By signing and submitting the EOI, the successful firm agrees to be bound by all the terms contained in Section Three (3) of this EOI.

#### 3.4.1 *Conflict of Interest:*

Firm affirms that it, its officers or members or employees presently have no interest and shall not acquire any interest, direct or indirect which would conflict or compromise in any manner or degree with the performance or its services hereunder. The firm further covenants that in the performance of the contract, the firm shall periodically inquire of its officers, members and employees concerning such interests. Any such interests discovered shall be promptly presented in detail to the Agency.

#### 3.4.2 *Prohibition Against Gratuities:*

Firm warrants that it has not employed any company or person other than a bona fide employee working solely for the firm or a company regularly employed as its marketing agent to solicit or secure the contract and that it has not paid or agreed to pay any company or person any fee, commission, percentage, brokerage fee, gifts or any other consideration contingent upon or resulting from the award of the contract.

For breach or violation of this warranty, the State shall have the right to annul this contract without liability at its discretion, and/or to pursue any other remedies available under this contract or by law.

#### 3.4.3 *Certifications Related to Lobbying:*

Firm certifies that no federal appropriated funds have been paid or will be paid, by or on behalf of the company or an employee thereof, to any person for purposes of influencing or attempting to influence an officer or employee of any Federal entity, 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.

If any funds other than federally appropriated funds have been paid or will be

State of West Virginia  
Department of Administration

General Services Division  
Architecture and Engineering Section  
Building 4 Renovations– GSD 126401

paid to any person for influencing or attempting to influence an officer or employee or 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 firm shall complete and submit a disclosure form to report the lobbying.

Firm agrees that this language of certification shall be included in the award documents for all sub-awards at all tiers (including subcontracts, sub-grants, and contracts under grants, loans, and cooperative agreements) and that all sub recipients shall certify and disclose accordingly. This certification is a material representation of fact upon which reliance was placed when this contract was made and entered into.

#### 3.4.4 *Vendor Relationship:*

The relationship of the firm to the State shall be that of an independent contractor and no principal-agent relationship or employer-employee relationship is contemplated or created by the parties to this contract. The firm, as an independent contractor, is solely liable for the acts and omissions of its employees and agents.

Firm shall be responsible for selecting, supervising and compensating all individuals employed pursuant to the terms of this EOI and resulting contract. Neither the firm nor any employees or contractors of the firm shall be deemed to be employees of the State for any purposes whatsoever.

The Firm shall be exclusively responsible for payment of employees and contractors for all wages and salaries, taxes, withholding payments, penalties, fees, fringe benefits, professional liability insurance premiums, contributions to insurance and pension or other deferred compensation plans, including but not limited to Workers' Compensation and Social Security obligations, and licensing fees, etc. and the filing of all necessary documents, forms and returns pertinent to all of the foregoing.

The Firm shall hold harmless the State, and shall provide the State and Agency with a defense against all claims including but not limited to the foregoing payments, withholdings, contributions, taxes, social security taxes and employer income tax returns.

The Firm shall not assign, convey, transfer or delegate any of its responsibilities and obligations under this contract to any person, corporation, partnership,

State of West Virginia  
Department of Administration

General Services Division  
Architecture and Engineering Section  
Building 4 Renovations– GSD 126401

association or entity without expressed written consent of the Agency.

**3.4.5 Indemnification:**

The Firm agrees to indemnify, defend and hold harmless the State and the Agency, their officers, and employees from and against: (1) Any claims or losses for services rendered by any subcontractor, person or firm performing or supplying services, materials or supplies in connection with the performance of the contract; (2) Any claims or losses resulting to any person or entity injured or damaged by the firm, its officers, employees, or subcontractors by the publication, translation, reproduction, delivery, performance, use or disposition of any data used under the contract in a manner not authorized by the contract, or by Federal or State statutes or regulations; (3) Any failure of the firm, its officers, employees or subcontractors to observe State and Federal laws, including but not limited to labor and wage laws.

**3.4.6 Contract Provisions:**

After the most qualified firm is identified, and fee negotiations are concluded, a formal contract document will be executed between the State and the firm. The order of precedence is the contract, the EOI and the firm's response to the EOI.

**3.4.7 Governing Law:**

This contract shall be governed by the laws of the State of West Virginia. The Firm further agrees to comply with the Civil Rights Act of 1964 and all other applicable laws (Federal, State or Local Government) regulations.

**3.4.8 Compliance with Laws and Regulations:**

The Firm shall procure all necessary permits and licenses to comply with all applicable laws, Federal, State or municipal, along with all regulations, and ordinances of any regulating body.

The Firm shall pay any applicable sales, use, or personal property taxes arising out of this contract and the transactions contemplated thereby. Any other taxes levied upon this contract, the transaction, or the equipment, or services delivered pursuant here to shall be borne by the contractor. It is clearly understood that the State of West Virginia is exempt from any taxes regarding performance of the scope of work of this contract.

**3.4.9 Subcontracts/Joint Ventures:**

The State will consider the firm to be the sole point of contact with regard to all contractual matters. The firm may, with the prior written consent of the State,



State of West Virginia  
Department of Administration

General Services Division  
Architecture and Engineering Section  
Building 4 Renovations– GSD 126401

enter into written subcontracts for performance of work under this contract; however, the firm is totally responsible for payment of all subcontractors.

**3.4.10 *Term of Contract:***

This contract will be effective (date set upon award) and shall extend until the scope of work is complete or for one (1) consecutive twelve (12) month period. The contract may be renewed upon mutual consent for two (2) consecutive years one (1) year periods or until such reasonable time as may be necessary to obtain a new contract or to complete work.

**3.4.11 *Non-Appropriation of Funds:***

If the Agency is not allotted funds in any succeeding fiscal year for the continued use of the service covered by this contract by the West Virginia Legislature, the Agency may terminate the contract at the end of the affected current fiscal period without further charge or penalty.

The Agency shall give the firm written notice of such non-allocation of funds as soon as possible after the Agency receives notice. No penalty shall accrue to the Agency in the event this provision is exercised.

**3.4.12 *Contract Termination:***

The State may terminate any contract resulting from this EOI immediately at any time the firm fails to carry out its responsibilities or to make substantial progress under the terms of this EOI and resulting contract. The State shall provide the firm with advance notice of performance conditions, which are endangering the contract's continuation. If after such notice the firm fails to remedy the conditions contained in the notice, within the time contained in the notice, the State shall issue the firm an order to cease and desist all work immediately.

The State shall be obligated only for services rendered and accepted prior to the date of the notice of termination. The contract may also be terminated upon mutual agreement of the parties with thirty (30) days prior notice.

**3.4.13 *Changes:***

If changes to the original contract become necessary, a formal contract change order will be required. Prior to any work being performed, the change must be negotiated and approved by the State, the Agency and the firm. An approved contract change order is defined as one approved by the Purchasing Division and approved as to form by the West Virginia Attorney General's Office prior to the effective date of such amendment. **NO CHANGE SHALL BE**

State of West Virginia  
Department of Administration

General Services Division  
Architecture and Engineering Section  
Building 4 Renovations– GSD 126401

**IMPLEMENTED BY THE FIRM UNTIL THE FIRM RECEIVES AN APPROVED WRITTEN CHANGE ORDER.**

**3.4.14 *Invoices, Progress Payments, & Retainage:***

The Firm shall submit invoices, in arrears, to the Agency at the address on the face of the purchase order labeled "Invoice To" pursuant to the terms of the contract. Progress payments may be made at the option of the Agency based on percentage of work completed if so defined in the final contract. Any provision for progress payments must also include language for a minimum 10% retainage until the final deliverable is accepted.

If progress payments are permitted, firm is required to identify points in the work plan at which compensation would be appropriate. Progress reports must be submitted to Agency with the invoice detailing progress completed or any deliverables identified.

Payment will be made only upon approval of acceptable progress or deliverables as documented in the firm's report. Invoices may not be submitted more than once monthly and State law forbids payment of invoices prior to receipt of services.

**3.4.15 *Liquidated Damages:***

According to West Virginia State Code §5A-3-4(8), firm agrees that liquidated damages shall be imposed at the rate of \$100.00 per workday, for failure to provide deliverables at the agreed upon date identified in the final contract. This clause shall in no way be considered exclusive and shall not limit the State or Agency's right to pursue to any other additional remedy to which the State or Agency may have legal cause for action including further damages against the firm. N/A

**3.4.16 *Record Retention (Access & Confidentiality):***

Firm shall comply with all applicable Federal and State of West Virginia rules and regulations, and requirements governing the maintenance of documentation to verify any cost of services or commodities rendered under this contract by the firm.

The Firm shall maintain such records a minimum of five (5) years and make available all records to Agency personnel at firm's location during normal business hours upon written request by Agency within 10 days after receipt of the request.

Firm shall have access to private and confidential data maintained by Agency to the extent required for firm to carry out the duties and responsibilities defined in this contract. Firm agrees to maintain confidentiality and security of the data made available and shall indemnify and hold harmless the State and Agency against any and all claims brought by any party attributed to actions of breach of confidentiality by the firm, subcontractors, or individuals permitted access by the firm.

## PART 4 EVALUATION & AWARD

#### 4.1 Evaluation & Award Process:

Expressions of Interest will be evaluated and awarded in accordance with §5G-1-3 “Contracts for architectural and engineering services; selection process where total project costs are estimated to cost two hundred fifty thousand dollars or more.”

"In the procurement of architectural and engineering services for projects estimated to cost two hundred and fifty thousand dollars or more the director of purchasing shall encourage such firms engaged in the lawful practice of the profession to submit an expression of interest, which shall include a statement of qualifications, and performance data and may include anticipated concepts and proposed methods of approach to the project. All such jobs shall be announced by public notice published as a Class II legal advertisement in compliance with the provisions of article three [§59-3-1et seq.] A committee comprised of three to five representatives of the agency initiating the request shall evaluate the statements of qualifications and performance data and other material submitted by the interested firms and select three firms which in their opinion are the best qualified to perform the desired service. Interviews with each firm selected shall be conducted and the committee shall conduct discussions regarding anticipated concepts and the proposed methods of approach to the assignment. The committee shall then rank in order of preference no less than three professional firms deemed to be the most highly qualified to provide the services required, and shall commence scope of service and price negotiations with the highest qualified professional firm for architectural or engineering services or both. Should the agency be unable to negotiate a satisfactory contract with the



State of West Virginia  
Department of Administration

General Services Division  
Architecture and Engineering Section  
Building 4 Renovations— GSD 126401

professional firm considered to be the most qualified, at a fee determined to be fair and reasonable, price negotiations with the firm of second choice shall commence. Failing accord with the second most qualified professional firm, the committee shall undertake price negotiations with the third most qualified professional firm. Should the agency be unable to negotiate a satisfactory contract with any of the selected professional firms, it shall select additional professional firms in order of their competence and qualifications and it shall continue negotiations in accordance with this section until an agreement is reached."

#### **4.2 Proposal Format:**

It is strongly preferred that information submitted should be formatted in three ring binders or similarly bound to allow the Agency to remove sections to make additional copies, if necessary, and in the order as set forth below:

##### **4.2.1 Concept**

Provide a general discussion of the project and the firm's approach to addressing issues and concerns including anticipated concepts, proposed methods of design and project sequence as explained in the Background, General Requirements, and Project Description, above.

Include a discussion of similar previous projects and how these issues were resolved.

##### **4.2.2 Firm/Team Qualifications**

- a. Provide the name, address, phone number, e-mail address and signature of the firm's contact person responsible for the project and having full authority to execute a binding contract on behalf of the firm/team submitting the proposal.
- b. Provide the names, function and resume of individuals within both the lead firm and other team member's organization who will be assigned to this project.
- c. The design team must have expertise in the A/E areas previously mentioned. Provide information on all other project consultants, sub-

State of West Virginia  
Department of Administration

General Services Division  
Architecture and Engineering Section  
Building 4 Renovations– GSD 126401

consultants, and firms proposed to be employed by the lead firm for this project.

- d. Provide a statement of the firm's ability to handle the project in its entirety.
- e. Provide a statement of the firm's acceptance and full understanding that any and all work produced as a result of the contract will become property of the Agency and can be used or shared by the Agency as deemed appropriate.
- f. Provide evidence of the firm's ability to formulate designs in conformance with all local, State, and Federal regulations applicable to the project. These requirements shall include building exterior lighting and related life safety code requirements.
- g. Provide a description of any litigation or arbitration proceedings, including vendor complaints filed with the State's Purchasing Division, disputes with other Agencies of the State of West Virginia that involved legal representation by either party relating to the firm's delivery of design services, if applicable. Also, any disputes with other Agencies of the State of West Virginia that involved legal representation by either party.

#### **4.2.3 Project Organization**

- a. Provide information on the personnel who will manage and persons proposed to be assigned to the project. Provide locations of firm's offices and indicate from where the project will be managed and the work performed. Provide a project organizational chart including key personnel and the proposed organization of the project team.
- b. Provide a statement or evidence of the firm or team's ability to provide services within the project time frame and a proposed project schedule outlining the key phases.

#### **4.2.4 Demonstrated Experience in Completing Projects of a Similar Size and Scope:**

- a. Provide descriptions of relevant projects demonstrating the firm's ability

State of West Virginia  
Department of Administration

General Services Division  
Architecture and Engineering Section  
Building 4 Renovations– GSD 126401

to execute projects similar to those described in this Expression of Interest. Firm's managing personnel for this project must have at least five years of experience in evaluating and designing commercial office buildings as described herein. Provide descriptions of not more than ten projects performed in the last ten years. Projects of interests should include work performed within the State of West Virginia.

Project experience shall include the following information pertaining to the listed projects:

- Project Name
  - Project Location
  - Project Description
  - Construction cost and type of service provide
  - Project size including square footage or acreage, cost and other relevant information
  - Name of project Owner, including phone number and address
  - Contract information including date of completion or percentage of work complete
  - Photographs of each project
  - Any other information deemed relevant
- b. Provide references for the last five clients for whom the firm has conducted projects of a similar size and type; include the name of the contact person along with the addresses, telephone numbers and short description of the project.

#### **4.3 Evaluation Criteria**

Evaluation criteria shall be based on a total of 100 points, inclusive of the oral interview, with total points possible per section, as follows:

- |   |                    |
|---|--------------------|
| 1) Concept; or how the proposal demonstrates understanding of the concept | 15 points possible |
| 2) Firm/Team Qualifications:  | 20 points possible |
| 3) Project Organization   | 20 points possible |

State of West Virginia  
Department of Administration

General Services Division  
Architecture and Engineering Section  
Building 4 Renovations– GSD 126401

- 4) Demonstrated Experience in Completing  
Projects of a Similar Size and Scope: 25 points possible
- 5) Oral Interview 20 points possible

Selected firms should be prepared to conduct an approximately forty-five minute on-site (Capitol Campus) question-and-answer session with allowance to the firm for the first quarter hour to make a presentation of any type they deem suitable to demonstrate their abilities, knowledge of the subject matter and qualifications. Questions can be based on any aspect of the project or submitted proposals.

STATE OF WEST VIRGINIA  
Purchasing Division

# PURCHASING AFFIDAVIT

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

## DEFINITIONS:

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

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

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

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

## WITNESS THE FOLLOWING SIGNATURE

Vendor's Name: KREPS & ZACHWIEJA ARCHITECTS

Authorized Signature: *Paul T. Zachwieja* Date: 02 APRIL 2012

State of WEST VIRGINIA

County of KANAWHA, to-wit:

Taken, subscribed, and sworn to before me this 02 day of APRIL, 2012.

My Commission expires OCTOBER 13, 2020.

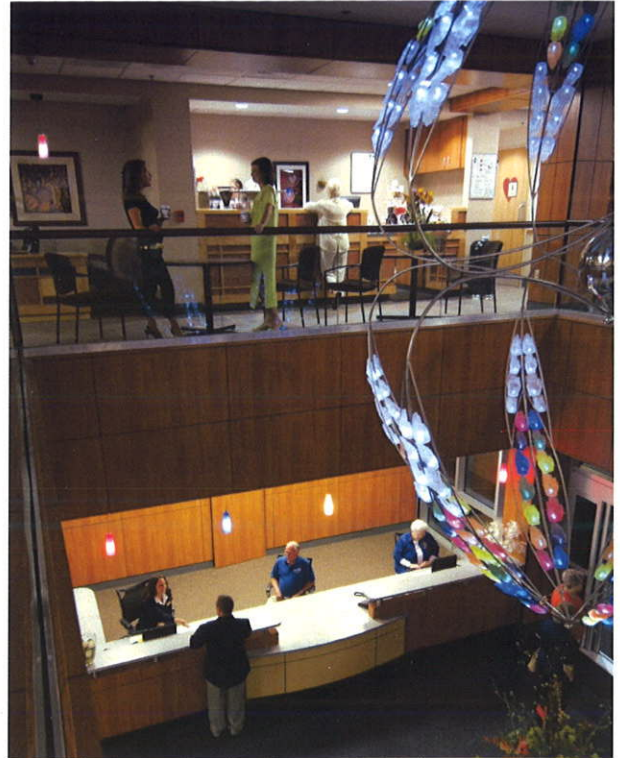
AFFIX SEAL HERE

NOTARY PUBLIC *Mary M Cochran*



## TABLE OF CONTENTS

1. CONCEPT
2. FIRM/TEAM QUALIFICATIONS
3. PROJECT ORGANIZATION
4. EXPERIENCE



## CONCEPT

### General Project Philosophy

To respond to the challenges and opportunities presented by this project, Kreps and Zachwieja Architects has assembled a uniquely qualified group of design professionals. We have carefully balanced local experience with program-specific design expertise to ensure that the resulting team is as creative, responsive, and quality driven as possible. This team will lead the project team and stakeholders through a process of investigation, evaluation, design, and documentation that will ultimately lead to the most successful project possible.

Our team is comprised of mostly West Virginia firms but all have West Virginia ties. Our main team office, Kreps and Zachwieja, is strategically located with walking distance from the project and can be on-site within a matter of minutes. All team members understand what it means to work both in and for West Virginia.

Our combined work in WV and across the region has given our team the experience to successfully complete this project of evaluation, redesign, renovate and enhance Building No. 4. Everyday we work with our clients, constantly redesigning their buildings for new uses. In hospitals, we are challenged by adapting old buildings for new technologies that were not thought possible when the building was first constructed. This same principle holds true for Office Building Type functions. Advances in telecommunications, additional power requirements and the progression of work-flow models need to be addressed when renovating existing facilities to meet not only today's needs but allow flexibility for the future. Masterplanning is very critical in that we get the right user groups for the state in the right building and the sequencing of these projects is paramount to implementing plans into practical design.

First and foremost in this process is to conduct the facility condition assessment. This assessment will help the design team identify what is reusable and the issues that we will face in this process. ZDS, the MPE member of our team, provided a comprehensive study of Building #4's fire alarm, emergency power and sprinkler needs and has a good understanding of some of the challenges for renovating the facility which include the following:

1. Abate asbestos throughout the existing building for the proposed renovations.
2. Replace the emergency generator sized to meet current codes while addressing current State Fire Marshal requirements.
3. Incorporate a smoke management system into the proposed renovations to address the State Fire Marshal's requirements for high-rise facilities.
4. Provide a fire pump to meet the sprinkler requirements for the facility. The fire pump will need to be located in a dedicated fire rated room.
5. Upgrade the existing water supply to the building so it is large enough to supply a complete building sprinklers system.
6. Upgrade lighting to current technology due to the major improvements in lighting technology to meet LEED's Silver certification.
7. Replace the existing HVAC systems to current IAQ, energy efficiency and comfort standards to meet LEED's Silver certification for the facility.
8. Provide a new addressable fire alarm system that complies with the requirements of ADA, NFPA, WV State Fire Code and the authority having jurisdiction.
9. Incorporate the security goals for the overall capitol complex emergency broadcast system into the renovations.

We believe our teams demonstrate successful experience that makes us the best qualified to address the proposed Bldg. #4 renovations. We understand the Capitol Complex campus and how each facility integrates.

Rounding out our assessment team is Steven Schaefer Associates who will provide input on the structural systems of the building.

Their early participation is invaluable in mitigating future issues that could possibly arise from the replacement of equipment and new stresses that may be imposed on the building.

Once the facility condition assessment is complete, the design team can develop recommendations for renovations based on meetings with potential tenant agencies to determine their needs, keeping in mind potential growth patterns of each agency. The design team will then develop a "masterplan" of the multiple phases to improve the efficiency and flexibility of each floor for the new tenants. A clear and concise masterplan built on consensus of all the stakeholders in this project is critical to a successful and full implementation. Our proven track record of creating masterplans that develop into appropriate facilities responses to our client needs is well established. Our team will look at all possible solutions in order to confirm our recommendations to you, the owner.

We are prepared to work with you, the owner, through the various phases of this project, from the initial facility assessment to the space planning to include the necessary and desired upgrades to the Life Safety Systems, Data/Communications, Mechanical, Electrical, Fire Protection Systems and finally the Construction Phasing from Design through Construction.

At each stage of the project we will:

- Involve all stakeholders and build consensus towards practical design solutions.
- Quickly highlight areas where goals align and potential areas which may require resolution
- Lead a conversation where the team's various experiences and expertise can inform the design process
- Explore creative design solutions that will consider all the alternates.
- Sensory-rich environments that consider emerging technologies that will impact our planning
- Think outside the box
- Innovate
- Understand the program, cost and schedule implications of new solutions
- Think through the detail, coordination, and expansion implications
- Keep the process moving forward to complete the project on schedule .
- Develop realistic budgets that optimize every opportunity to save the State of West Virginia money.





THIS PROJECT FOR THE STATE OF WEST VIRGINIA IS UNIQUELY POSITIONED TO TAKE ADVANTAGE OF OUR TEAM'S ESTABLISHED HISTORY OF SUCCESSFUL PROJECT DELIVERY RIGHT HERE AT HOME.

#### About the Team

Individually each member of our team has a long history of providing the highest quality professional services within their respective market areas. Our team members have each completed multiple engagements with components similar to the requirements of your proposed Bldg. #4 renovations. The facilities designed by our team use evidence based design principles. We strive to provide our clients with a unique atmosphere in which they have a positive experience. We would like to put our experience to work for you by designing a unique environment for the State of West Virginia.

We asked ZDS Design/Consulting Services to team with us because of their vast experience in Facility Assessment and Construction. ZDS has enjoyed relationships of quality service with numerous clients throughout the region, successfully completing multiple projects that continue to this day. Like Kreps and Zachwieja, ZDS enjoys long term relationships with many of their clients including the State of WV at the Capitol Complex and the West Virginia Museum of Culture and History. ZDS will provide comprehensive MEP engineering support for the proposed Building #4 renovations.

Steven Schaefer Associates of Cincinnati, Ohio, our structural engineer, has worked with Kreps and Zachwieja for more than 10 years. Their vast experience in structural design for various types of structures and in renovation of existing facilities gives them the flexibility to quickly and appropriately respond to design concepts. This experience gives them the knowledge to access existing facilities and respond to their capabilities and limitations.

Bringing a fresh, clean and attractive look to our facilities is Innerspace Interiors of

Columbus Ohio. Their expertise has helped us transform our work from good projects to great projects employing visually attractive Interior Design concepts and finishes. Innerspace Interiors has personally touched the lives of each individual that enters our buildings.

Each Member of our team brings a unique strength to this project. Realizing the similarity of mission and the desire to serve West Virginia clients, our Team would be honored to serve the State of West Virginia.

#### Innovative Solutions – Measurable Results

Complex projects need an integrated process that establishes priorities, tests their validity, analyzes their market depth, and apply a flexible, responsible facilities planning solution. Kreps and Zachwieja is a consulting and design firm with a diverse group of professionals focused on each client's unique priorities, vision, and market position. Our guiding philosophy is Innovative Solutions – Measurable Results. We focus on bringing our clients the most innovative solutions that will directly deliver measurable results. Each solution is measured on how it results in elevating our clients' business success.

#### Comprehensive Planning Recommendations

We believes that facilities should only be in service to deliver the mission and vision of the organization. To accomplish this, a solid facility planning solution should integrate the strategic objectives of an organization, respond to solid business planning parameters, support streamlined operations, and plan for flexible integration of rapidly changing technologies. We have had the opportunity to deliver planning services to a wide range of organizations. Each of our clients has unique challenges that

result in tailored solutions. These clients include major university-affiliated teaching hospitals, community hospitals, the State of West Virginia, the Catholic Diocese of Wheeling-Charleston, Federal and City Government.

#### Energized Process

Fun and creativity are linked, and they make for surprising outcomes. We enjoy our work and strive to energize our clients. We believe that the most unique solutions are formed when a group of diverse individuals are fully engaged. We believe that teams who work hard should also enjoy the process. For this reason, we deliver an exciting, fun, and engaging consulting style consistent with the high-energy environment of the planned office.

#### Vision

Kreps and Zachwieja is a unique consulting and design practice that delivers award winning design expertise in all aspects of planning services. Our facility planners team with our clients to develop integrated planning recommendations that position our clients' facilities to attain their unique strategic objectives.

#### 3-D Animation and Renderings

As part of our integrated approach, we can incorporate the use of 3-D design to aid in the visualization of a project. Visualization is a powerful tool that aids in the development and understanding of a design concept. We offer a wide range of 3-D imaging from schematic plans to finished photo renderings and understanding of design concept.





## PERMITTING/REGULATORY APPROVALS

### FEDERAL AND STATE DEPARTMENTS

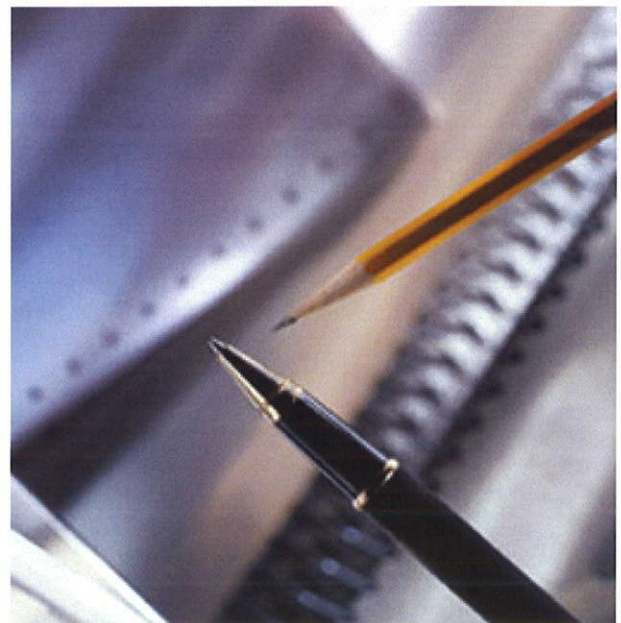
There are few industries more complex than educational/healthcare and few firms that have the resources, technology and know-how to navigate this rapidly changing market. Kreps and Zachwieja works regularly with state officials on zoning and approvals in West Virginia, and we strive to establish good relationships at the earliest phases of the project. Kreps and Zachwieja considers federal, state and local agencies part of the project team throughout the design and construction phases of the project. With our current projects in West Virginia, Kreps and Zachwieja has developed a successful working relationship with the governing agencies and possesses exhaustive knowledge of both building code and licensure requirements.

Our extensive experience includes working with the West Virginia State Fire Marshal's Office, particularly Mr. Norm Fetterman, and with Mr. Ron Stricker of the West Virginia Department of Health and Human Resources (DHHR/OHFLAC)

Kreps & Zachwieja's offices is strategically located in Charleston, WV, providing easy access to both of these State Agencies. Of particular note, we enjoy a next door neighbor relationship with OHFLAC, with whom we are in contact with on a regular basis regarding our ongoing West Virginia work. We have found this relationship to be useful in the planning and review stages of projects in preventing any last minute costly changes or time delays to the owner.

### ADHERENCE TO ESTABLISHED TIMELINES

Since all of our clients are institutional in nature, Kreps and Zachwieja is acutely aware of the relationship between design and construction project management, facilities personnel, procurement, building users and their agencies, zoning and regulatory agents, and community groups. We believe the key to meeting schedule requirements is to define project milestones clearly, understand the goals of specific tasks, and make a personal commitment to meeting the schedule in terms of manpower allocation and personnel involvement. Each of the team members identified for your project is ready to make that personal commitment.



## LEED/SUSTAINABLE DESIGN

New thoughts on how buildings impact our environment have lead many to seek a more sustainable way of construction. One of the challenges in this new way of thinking is up-front cost. For example, when Kreps and Zachwieja designed the new Ned Chilton/Kanawaha County Emergency 911 call center, we pushed for a geothermal HVAC system. This system paid back the initial project cost increase over a more conventional system in less than 5 years. Since this is an emergency communications facility, this type of system is also less susceptible to threats, therefore eliminating the need for redundant systems as required by code per this building type and an initial savings of \$350,000 was realized.

More recently, we have introduced many of our clients to high performance building envelopes that are not only energy efficient but aesthetically pleasing. As example, we specified new glass types that significantly reduce the heat gain during the summer allowing them to realize a reduction in size of their cooling systems. Our team has also presented clients with campus masterplans that utilize

stormwater retention ponds and green areas with hiking and biking trails. Dealing primarily in the Healthcare industry, we understand the need for low VOC materials and improved indoor air quality as imperative to our clients and their customer's health. Many new IAQ practices were pioneered in the healthcare industry.

We work with local suppliers and manufacturers as much as possible to incorporate local products into our designs. Not only does this reduce the fossil fuel cost of the transportation of these materials to the job site but it keeps the local economy strong. Other manufacturers are selected due to their recycling programs, both in the field and in their factories.

Our Team consists of many LEED accredited professionals and we can use LEED based design strategies to work with you to achieve LEED certification for your project. At Kreps and Zachwieja we have successfully used these sustainable design strategies in our projects for our clients, from major hospital corporations to non-profit community action groups.





# ZDS LEED Project Experience



**Air National Guard**—130th Airlift Wing at Yeager Airport, Phase I and Phase II Aircraft Maintenance Fuel Systems Hangars and Shops  
Registered for Two LEED Air Force Silver Certifications





# ZDS LEED Project Experience



Buildings 5, 6 and 7



East Wing



West Wing



Building 4



Building 3



Governor's Mansion



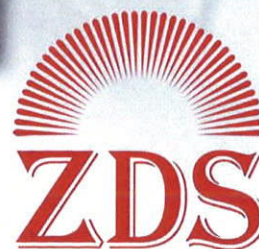
Center for Culture and History



**West Virginia  
Capitol Complex**

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

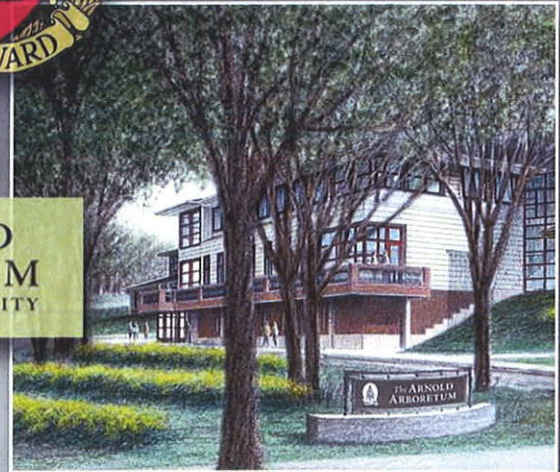
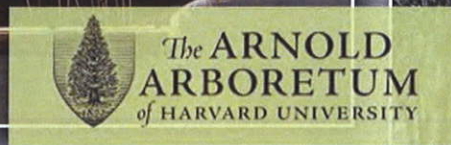
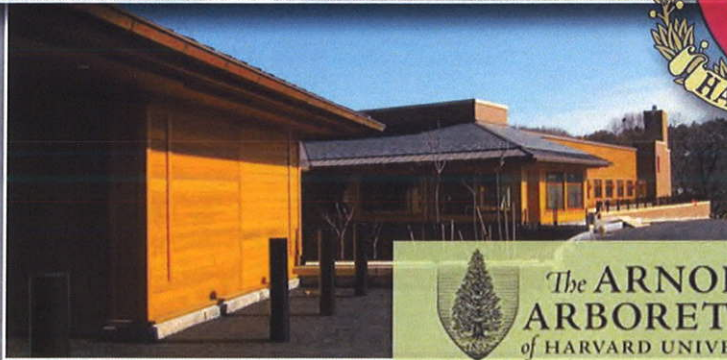
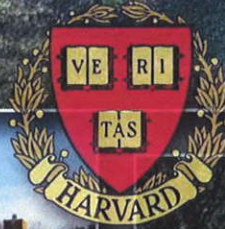
LEED Certified Candidate



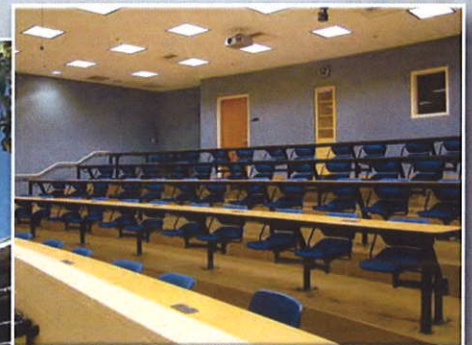
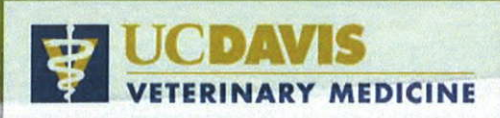
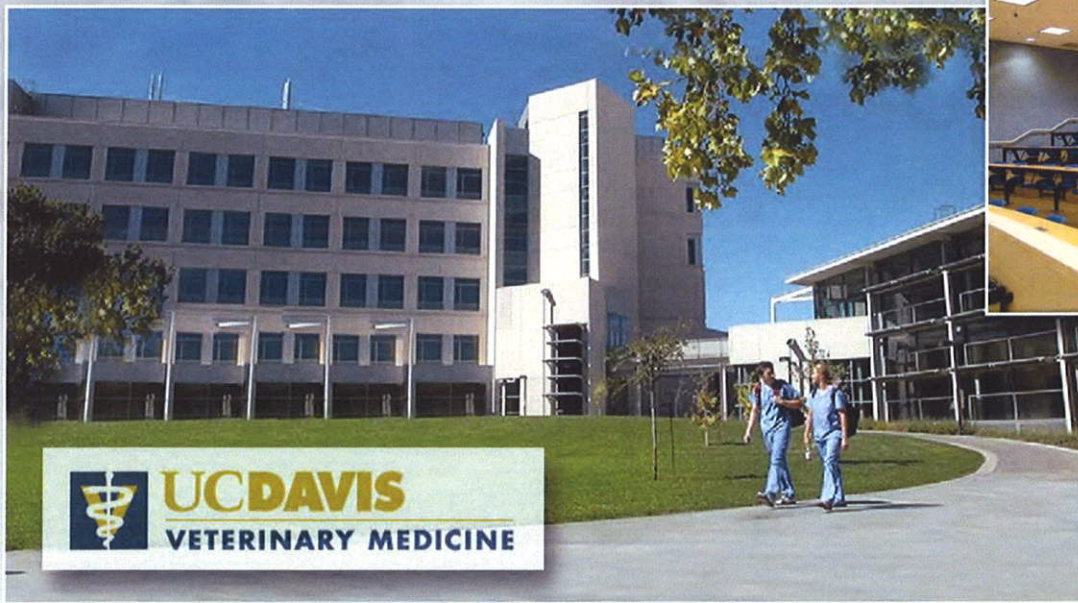
**Design/Consulting Services**



# ZDS LEED Project Experience



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



**University of California Davis Campus School of Veterinary Medicine**  
Adapted LEED Principles Including Commissioning



**Design/Consulting Services**



# ZDS LEED Project Experience

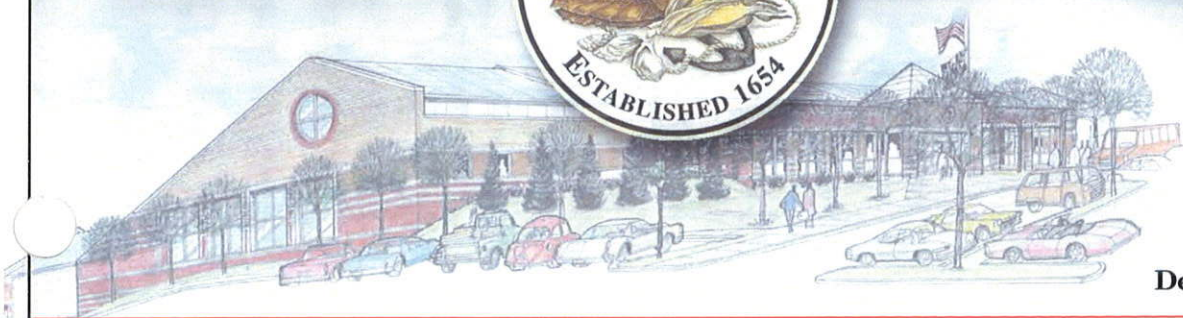
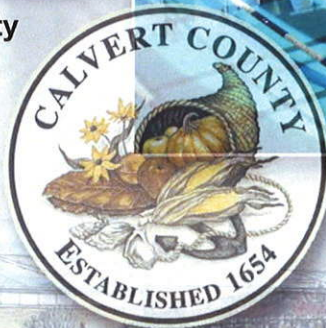


**Marshall University Harris Hall**  
Applied LEED Principles



**Maryland - Calvert County  
Indoor Aquatic Center**

Adapted LEED Principles  
Including Commissioning



**Design/Consulting Services**





Providing continuous design services for a handful of clients in our region for over 65 years.



CONCORD  
UNIVERSITY



#### ABOUT KREPS AND ZACHWIEJA

Kreps and Zachwieja has provided outstanding professional services to clients since its founding in 1945 as Vecellio & Kreps. Recognized for our quality service, expertise, and longevity, Kreps and Zachwieja focuses on the quality of our designs, the accuracy of our construction documents, and the functional relevance of our planning.

Kreps and Zachwieja Architects is the only design firm in the State of West Virginia dedicated to the Healthcare Industry. Since 1945, we have produced nearly 3,000 projects for only a handful of clients. By focusing on complex Healthcare Design, we can bring a level of expertise and knowledge to our clients that help them enhance the way they do business, regardless of your project scope or size. As a client of Kreps and Zachwieja Architects, you should expect us to know your business. We believe our success is derived from the idea that we are not just designing buildings, we are building relationships. This attitude we have towards customer service has placed us in the unique position to understand the complexities that our clients face on a daily basis.

#### DESIGN SERVICES

The Kreps and Zachwieja experience is based upon in-depth knowledge, passion and excitement. We listen to our clients intensely while providing challenging leadership for each engagement. Our unique problem solving process generates exciting new solutions while building consensus among stakeholders and includes the following services:

#### Master Planning

Development of a plan to utilize all physical properties in order to respond most effectively to the strategic goals and objectives of the institution.

#### Facility Assessment

Evaluation of existing amount, type, and condition of existing buildings and property of an institution.

#### Planning

General analysis and layout of functions to be located in a facility.

#### Programming

Development of areas for each space in a department based on projected utilization.

#### Design

Includes elements of detailed planning of the facility, how the building is shaped in all three dimensions, what materials are used, and how these materials are expressed in the building.

#### Equipment Planning

Assisting in the selection of non-furnishing items of medical equipment.

#### Scheduling

Development of detailed schedules for the project when complex phasing is required in the construction phase or coordination of the trades.

#### Construction Coordination

Variety of specialized services, including negotiation, facilitation and mediation services provided by Kreps and Zachwieja or by one of our specialty consultants.

Currently, with our experience of over 3,000 projects in all major building types, those clients desirous of readily accessible architectural services as well as total

architectural and engineering expertise are able to realize their needs with our firm. Our full service capabilities enable the firm to follow projects through all phases, from planning to construction and maintenance. And with our diverse project experience, we understand how to focus staff and resources to meet clients' individual needs, schedules, and locations. At Kreps and Zachwieja, we are with you every step of the way.

#### Technology

We understand the need of our clients to retain electronic copies of the work performed. Our office utilizes electronic document review and enjoys a working relationship with many of our client's vendors that include the sharing of electronic information. We have the capability of sharing information in a multitude of formats and versions of software.

#### Litigation

We have never been involved in any litigation regarding a construction dispute or our delivery of design services in our 65 year history.

#### Your Contact:

Kreps and Zachwieja Architects  
300 Capitol Street Suite 1100  
Charleston, WV 25301  
304.346.5361 (p)  
304.346.5365 (f)  
zach@kandzarchitects.com



Mark T. Zachwieja, AIA, President

Kreps and Zachwieja Architects/Consultants Inc.

#### COMPANY LEGAL NAME

Kreps & Zachwieja Architects/  
Consultants, Inc

#### LOCATION OF INCORPORATION

West Virginia

#### PRINCIPAL OFFICERS

Mark T. Zachwieja, Principal in Charge

#### BOARD OF DIRECTORS

Mark T. Zachwieja, President  
Tracy W. Zachwieja, Secretary

#### LOCATION OF OFFICES

Charleston, WV

#### NUMBER OF EMPLOYEES PER OFFICE

Kreps and Zachwieja currently employs  
10 design professionals:

#### BREAKDOWN OF EMPLOYEES BY DISCIPLINE

Architects .....	3
CA and Administrative Staff .....	2
CAD Technicians.....	2
Planners/Designers.....	2
Specification Writers.....	1



## MARK T. ZACHWIEJA, AIA Principal-in-Charge

Principal in Charge and President of Kreps and Zachwieja Architects/Consultants, Inc. from 1999 to present. During that period Mark aggressively marketed the capabilities of the firm and successfully established relationships with new clients and rekindled some with previous clients. Under Marks leadership, Kreps and Zachwieja Architects embarked into the most productive years in our 70 year history successfully completing more than \$200 million in construction through the region.

Most notable are the \$90 million Thomas Pavilions completed in late summer 2010 and the \$75 million KDMC Heart and Vascular Center originally completed in 2005 and currently expanding vertically.

Prior to joining Kreps and Kreps Architects, Mark worked for the Internationally renowned Architectural and Engineering firm BSA Life Structures of Indianapolis, Indiana. In his five years there, Mark developed an expertise in Medical Facility Planning and Design. He enjoyed working on several large projects for Charleston Area Medical Center and West Virginia University. In 1994 Mark left BSA and joined Kreps and Kreps Architects. In 1996 Mark was made a partner and in 1999 Mark purchased the firm from Jeffry Kreps, son of the original founder, William Kreps. Since then, Mark continues the tradition of design excellence and serious project leadership to bring Kreps and Zachwieja Architects to the forefront in Healthcare Facility Design in the mid-atlantic region of the United States. Today Kreps and Zachwieja Architects is leading the area using BIM and Revit to develop our most complex projects. Marks leadership of our talented team of architects, engineers, and specialty consultants gives our clients the assurance that their project will not only be under budget, but completed on time.



### EDUCATION:

B. Arch, Virginia Polytechnic and State University - 1987

### REGISTRATIONS:

WV

### PROFESSIONAL AFFILIATION:

American Institute of Architects

AIA, West Virginia Chapter

### OTHER

Certified by National Council of Architectural Registration





## Kings Daughters Medical Center Ashland, KY

- 2007 Master Facility Plan
- \$50 Million Heart and Vascular Center and Patient Bed Tower
- 20,000 sf Center for Advanced Imaging
- 30,000 sf Outpatient Surgery Center
- 250,000 sf Medical Office Plaza A & B
- 20,000 sf Imaging Center

## Thomas Memorial Hospital South Charleston, WV

- 85,000 SF Medical Office Pavilion
- \$60 Million Clinical Pavilion and Bed Tower totaling 160,000 SF
- 30,000 SF New Emergency Department
- 10,000 SF Digital Imaging Center

## Summersville Regional Medical Center Summersville, WV

- 2006 Master Facility Plan
- New 18 bed Emergency Department
- New Intensive Care Unit
- New Hospital Lab
- Obstetrics Unit Expansion
- New Main Lobby, Gift Shop, and Outpatient



## St. Mary's Hospital Huntington, WV

- 100,000 SF Outpatient Surgery Center and Medical Office Building
- Hospital Hospitality House
- Radiation Oncology Center

## Veterans Administration Medical Center Beckley, WV

- 120 Bed Nursing Home Care Unit
- (Within the facility is a special 20-bed Psycho geriatric Unit)
- 12 Bed Specialty Clinic

## Kanawha Hospice Care, Inc Charleston, WV

- 24 Bed Inpatient Hospice Facility (This was the first Inpatient Hospice House to be constructed in West Virginia)

## St. Francis Hospital Charleston, WV

- 12,000 SF Center for Pain Relief
- 16 Bed Orthopedic Surgery Unit
- 32 Bed Geriatric Care Unit





## VIVIAN A. WORKMAN, AIA Project Architect

As Project Architect, Ms. Workman is in charge of developing and coordinating projects from the programming phase through construction documents, contract administration and post-occupancy. Her responsibilities are project coordination, development of documents for bidding and construction and construction administration to include shop drawing review, construction job meetings and on-site observation. Ms. Workman is proficient at drafting specifications and coordinating efforts of all team members, consultants, and contractors. A partial listing of projects she has been involved with includes:



### Kings Daughters Medical Center Ashland, KY

- 2007 Master Facility Plan
- \$50 Million Heart and Vascular Center and Patient Bed Tower
- 20,000 SF Center for Advanced Imaging
- 250,000 SF Medical Office Plaza A & B

### Summersville Memorial Hospital Summersville, WV

- 2006 Master Facility Plan
- New 18 bed Emergency Department
- New Intensive Care Unit
- New Hospital Lab
- Obstetrics Unit Expansion/Renovation
- New Main Lobby, Gift Shop, and Outpatient Services Department

### Thomas Memorial Hospital South Charleston, WV

- \$70 Million Clinical Pavilion and Bed Tower totaling 160,000 SF
- 10,000 SF Digital Imaging Center

### St. Mary's Medical Center Huntington, WV

- Gift Shop/Registration Renovation
- Pediatric Unit Renovation
- Nurse Station Redesign



### West Virginia School of Osteopathic Medicine Lewisburg, WV

- Center for Clinical Evaluation
- Center for Technology and Rural Medicine
- Admissions Center
- Student Activities Center Expansion

### St. Francis Hospital Charleston, WV

- 12,000 SF Center for Pain Relief
- 2 -OR addition to One Day Surgery Center

### Wetzel County Hospital New Martinsville, WV

- New 12 bed Emergency Department
- 

### Marshall University Huntington, WV

- Smith Hall Window Replacement
- School of Physical Therapy



#### EDUCATION:

M. Arch - University of Tennessee - 2004

Bachelor of Arts -University of Pittsburgh - 2000

#### PROFESSIONAL REGISTRATIONS:

WV, KY

#### PROFESSIONAL AFFILIATION:

American Institute of Architects

AIA, West Virginia Chapter

Construction Specification

Institute: CDT Certified

#### OTHER:

Certified by National Council of Architectural Registration Boards

Sub-Committee for the Architectural Registration Examination

## MICHAEL M. PHILLIPS, AIA, LEED AP Project Architect

With over 20 years of experience in the Architectural Profession, Mr. Phillips, as Project Architect, has had the opportunity to provide successful design, leadership and management for many diverse projects; including new buildings, renovations and adaptive re-use. This experience, along with his LEED credentials, affords him the working knowledge to guide the design of resilient solutions that are; environmentally conscientious, functional and pragmatic as well as aesthetically pleasing, regardless of scale. This, coupled with a strong ethic of team communication and management provides the tools to make your project a success.



-A partial listing of projects Mike has been involved with includes:

Kreps and Zachwieja Experience

•Sacred Heart Preschool and Gymnasium

•Sacred Heart - Seton Hall Classroom modernization/renovation

•Marshall University - Smith Hall

Renovations

### Previous Experience

- Yeager Airport – Gate evaluation and optimization for new flights.
- Yeager Airport Terminal Renovations and Additions. New pedestrian bridge, elevator and lobbies connecting garages to terminal
- Yeager Airport Terminal Renovations and Additions. New cantilever canopies and entrance, security upgrades, full facility fire suppression and new baggage claim system
- Lewis County Courthouse- New Annex Addition
- Millard, Pearl River County, Mississippi Storm Shelters - storm shelter to FEMA 361 Standard
- Picayune, Pearl River County, Mississippi Storm Shelters - storm shelter to FEMA 361 Standards
- Poplarville, Pearl River County, Mississippi Storm Shelters - storm shelter to FEMA 361 standards
- WV Emergency Response Center-WV Miner's Health Safety and Training facility
- WV Golf Hall of Fame Museum and Golf Association Offices Preliminary Design
- Bartlett Tennessee - City Hall - assisted in renovation design
- Batesville Mississippi - Civic Center

Facilities Renovation/Upgrade/ADA

- Buckhannon Readiness Center - Design Charrette - comprehensive feasibility study for 4 buildings and campus
- Camp Dawson Rappel Tower, Field Leadership Reaction Course and Buildings, Preston County, WV
- Cheswicke Town Centre, PA; Rezoning Services
- Davidson County CJC Jail Restroom Remodel, Davidson County, TN - ADA and modernization to 8 story jail in downtown Nashville, TN.
- Holiday Inn Express, Charleston, WV - Exterior renovation and upgrade.
- Mountain State University - Student Center, Gymnasium and Parking facility - feasibility study
- Paris Landing State Park, TN - Golf Course infrastructure improvements.
- PoplarvilleWWTP Administrative Office Building and Lab, Poplarville, MS
- Jackson County Libraries - Ravenswood Library addition and remodel
- Jackson County Libraries - Ripley Library addition and remodel
- Nashville TN Forensic Center - preliminary design
- Pennsylvania Air Guard - Repair Squadron Operations Building 107, Pittsburgh, PA.
- Shaner Hotel - Newport, Rhode Island - remodel feasibility study for developer.
- WV State Capitol Parking Garage renovation.

### EDUCATION:

B. Arch - University of Tennessee - 1988

### PROFESSIONAL REGISTRATIONS:

WV, PA, VA, FL, TN, MS

### PROFESSIONAL AFFILIATION:

American Institute of Architects

AIA, West Virginia Chapter

### OTHER:

Certified by National Council of Architectural Registration Boards

LEED AP accredited Professional

### AWARDS:

2006 ABC USA Design Award – PE Tech Office Building – Category under \$2 million

2005 Fiscal Year- Corporate Project Manager of the Year for Large Design Corporation with 15 Offices, 350 employees.





## ABOUT **ZDS** DESIGN/CONSULTING SERVICES

### ORGANIZATION

**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.**

**EXCELLENT MECHANICAL AND ELECTRICAL DESIGN RESULTS FROM AN EXPERIENCED TEAM, AS WELL AS LISTENING TO THE NEEDS OF THE CLIENT.**

In 1983, Todd A. Zachwieja founded ZECO Consultants. In 1994 **ZDS** Limited Liability Company was incorporated in West Virginia using dba **ZDS** Design/Consulting Services, and was founded to provide design and consulting services. Today **ZDS** has 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 30 years in the design and consulting business.

**Ted T. Zachwieja**, Principal over Construction Administration services, has over 50 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 25 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, was cofounder of ZECO Consultants.

### SERVICES

MECHANICAL  
INDOOR AIR QUALITY  
ENERGY

ELECTRICAL  
COMMISSIONING

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

**ZDS** assigns the production staff according to the nature of the project and the work force necessary to meet the schedule. The Principal in charge of that project determines if consultants are needed and coordinates all areas. After bidding, a Principal of **ZDS** coordinates visits to the job site regularly, all the way through the post-warranty inspection.

**ZDS** believes in the team approach when providing engineering design and consulting services. We start with our client as the number one member on our team. We listen to the needs and concerns of our client and that becomes the basis for our design. Our design expertise includes:

#### MECHANICAL DESIGN

Heating & Ventilation  
Air Conditioning  
Piping  
Environmental Controls  
Process Controls  
Refrigeration  
Plumbing  
Medical Gases  
Sprinkler-Fire Protection  
Master Planning

#### ELECTRICAL DESIGN

Power Distribution  
Interior Lighting  
Exterior Lighting  
Emergency Power  
Communications  
Technology  
Fire Alarm  
Security  
Life Safety  
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.

**ZDS** works 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 that the maintenance and operating staff live with the design long after the project's completion. We listen to and work with those who will continue to operate and maintain the equipment. We find that proper communication benefits the client throughout the design process and beyond.

The **ZDS** design team provides a total system evaluation for cost-effective selection, installation, and ease of maintenance for both new systems and retrofit of in-place systems.

Design begins with our client. Our staff meets with our client to review their concerns, budgets and schedules. The **ZDS** design team reviews the entire picture, and ends with "A Total Design."

#### COMPANY LEGAL NAME

**ZDS Design/Consulting Services**

#### LOCATION OF INCORPORATION

West Virginia

#### PRINCIPAL OFFICERS

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

Ted T. Zachwieja, Principal

Daniel H. Kim, PhD

Lori Zachwieja, CPA

#### OFFICES

St. Albans, WV

Morgantown, WV

#### NUMBER OF EMPLOYEES

**ZDS** currently employs 14 design professionals.



## INDOOR AIR QUALITY SERVICES

**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:

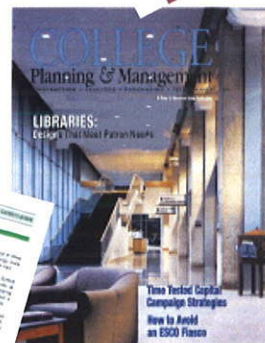
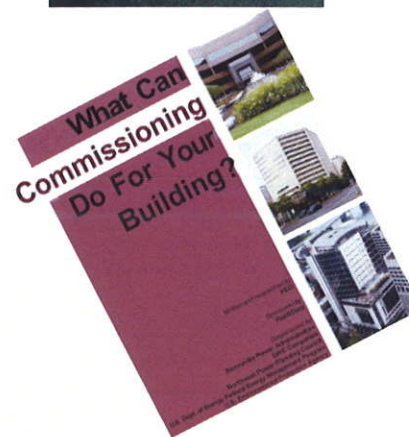
- Contributing Editor and Technical Review Panel for the publication of the INvironment™ Handbook of Building Management and Indoor Air Quality, by Chelsea Group and published for Powers Educational Services.
- Technical Review Panel for the Quarterly publication of the INvironment™ Newsletter, by Chelsea 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 INvironment™ 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 organizations 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.





## SUMMARY

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:

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

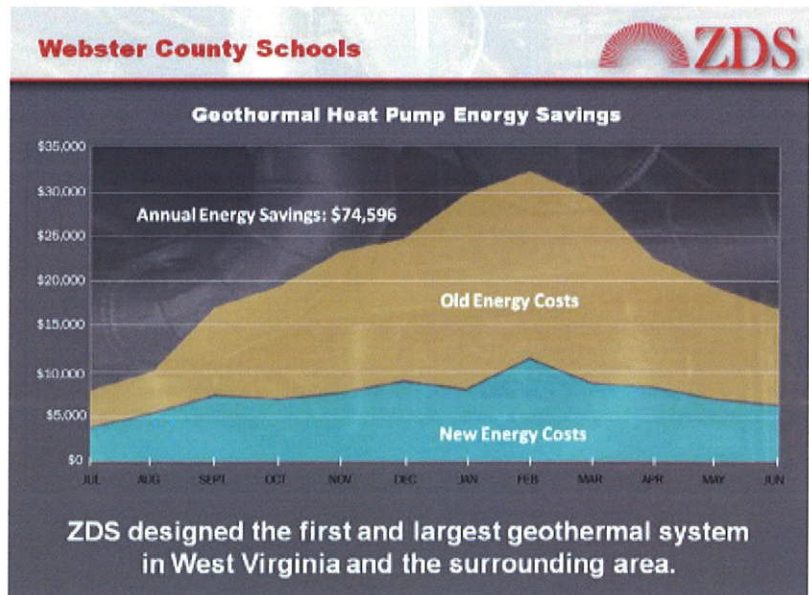


Recent projects include:

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

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

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 consist 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 Owner's operational needs.

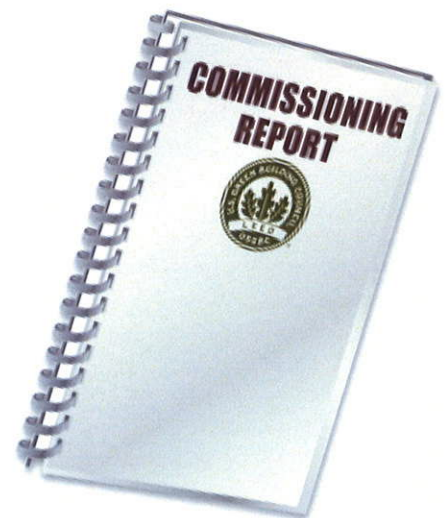
## NATIONAL RECOGNITION

The National Conference on Building Commissioning invited Todd Zachwieja, **ZDS'** 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** 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	Michigan
California	New York
Colorado	North Carolina
Connecticut	Ohio
Florida	Pennsylvania
Georgia	South Carolina
Hawaii	Tennessee
Illinois	Texas
Indiana	Virginia
Kentucky	Washington, DC
Maryland	Wisconsin
Massachusetts	

**ZDS** 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.

The **ZDS** design team will provide comprehensive services utilizing experienced staff through planning, cost estimating, engineering, coordination of bidding, regular site visitation during construction and specifications for equipment. You, our client, will greatly benefit from a single point of responsibility for every need your project may have.

The **ZDS** staff has the expertise with codes and standards. We have extensive experience in conducting engineering code surveys of existing facilities. Our staff has excellent working relationships with the West Virginia Fire Marshal's Office and the West Virginia Department of Health and Human Resources.

In addition to comprehensive Engineering services from an experienced design team, another major consideration in the selection of your engineer and design staff should be their track record. **ZDS'** organization has an unbeatable, long running, and well-known track record for meeting our clients' needs, on time and within budget, with outstanding quality.

**ZDS** views these characteristics as the foundation of Quality. We look forward to the opportunity to discuss our ideas with you and assist you by providing solutions for your needs with a full range of services from Planning to Commissioning.

## CLIENTS

Greenbrier West High School

Woodrow Wilson High School

James Monroe High School

Winfield High School

East Hardy High School

Raleigh County Schools

Elkins Middle School

Ritchie County Middle School

McDowell County Southside K-8

Smithville Elementary

Webster Springs Elementary



**Todd (Ted) A. Zachwieja**  
**PE, C.E.M., LEED AP****Chief Executive Officer**  
**Principal-in-Charge M/E/P Design**

Todd has more than 30 years of experience in the design, construction management, and specifications for mechanical engineering, heating, ventilating, air conditioning, plumbing, electrical, and lighting, as well as 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, hospitals and educational design.

Prior to joining **ZDS**, Todd Zachwieja coordinated millions in comprehensive energy conservation programs resulting in annual energy savings of millions per year and managed a profitable regional office for one of the country's largest energy service companies covering southeastern United States. He also developed computer programs for building energy analysis and monitoring and presented technical papers at regional and national conferences. Some of Todd's project experience includes:

**GOVERNMENT AND COMMERCIAL**

- Bank One – WV
- Bayer Material Science
- Calvert County Aquatic Center, MD
- Culture Center HVAC renovations
- General Motors Corporation of North America Re-commissioning Program
- Kanawha County Commission – 120,000 sf additions/renovations for the Judicial Annex/Kanawha County Courthouse – Charleston
- Kohl's
- Laidley Towers – Charleston
- Mercer County Courthouse Annex – Princeton
- Olin Corporation
- Phillip Morris USA
- Rhone-Poulenc
- Santa Anna Federal Building, CA
- State of WV Capitol Complex Central Heating Plant and Renovations
- Sears
- Saint Patrick Church Renovations
- Sacred Heart Pavilion
- Toyota Motor Manufacturer, WV Inc.
- Union Carbide/DOW
- United Center – Charleston
- Walker Machinery
- West Virginia Air National Guard
- West Virginia Army National Guard
- West Virginia Department of Transportation/DOH
- West Virginia Division of Protective Services
- West Virginia Higher Education Authority
- West Virginia General Services Division
- West Virginia Parkways Authority
- West Virginia Public Service Commission Headquarters
- West Virginia State Capitol Complex renovations
- Yeager Airport

Todd also designed one of the largest geothermal heat pump applications in the mid-Atlantic region, and commissioned HVAC systems and mechanical engineering at many General Motors' facilities in North America.

**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**

West Virginia, No. 10,127

Certified Energy Manager (C.E.M.), National Certification

LEED® Accredited Professional, National Certification through USGBC

Georgia, No. 18253

Kentucky, No. PE-17961

North Carolina, No. PE-017445

Ohio, No. E-53587

Pennsylvania, No. PE-040929-R

South Carolina, No. 25985

Virginia, No. 0402 025427



**Todd (Ted) A. Zachwieja**  
(Continued)

**HEALTH CARE**

- Bluefield Regional Medical Center
- Cabell Huntington Hospital
- Charleston Area Medical Center - millions in renovation and new construction design, including commissioning of Charleston Area Medical Center's \$41 million Surgery Replacement Center
- Charleston Area Medical Center General Division
- Charleston Area Medical Center Women & Children's Hospital
- Charleston Surgical Center
- Family Practice Center
- Jackie Withrow Hospital
- John Manchin Sr. Health Care
- Hometown Healthcare Center
- Hopemont Hospital
- Lakin Hospital
- Lewistown Outpatient Surgical Facility, PA
- Mercy Medical Center
- Mildred Mitchell-Bateman Hospital
- Monongalia General Hospital
- Montgomery General Hospital
- St. Joseph's Hospital
- St. Mary's Hospital
- Summersville Memorial Hospital
- Surgicare Center
- Thomas Memorial Hospital
- United Hospital Center
- VA Hospital - Clarksburg
- VA Hospital - Huntington
- Wayne Memorial Hospital
- Webster Memorial Hospital
- Welch Community Hospital
- William R. Sharpe Jr. Hospital

**EDUCATIONAL**

Colleges and Universities

- Alderson Broadus College
- Bluefield State College
- Concord University
- Fairmont State College
- Harvard University
- Marshall University
- Ohio University's Athens Campus
- Ohio University's Chillicothe campuses
- Southern West Virginia Community & Technical College
- University of California-Davis
- University of Charleston
- Washington & Lee University
- WVU Institute of Technology
- West Virginia State University
- West Virginia University
- West Virginia Wesleyan College

Todd was recognized nationally for his work with Ohio University in development of multiple performance contracting programs that are anticipated to save \$2.5 million annually in energy and operating costs. He has been involved in 100's of higher education facilities.

Schools

M/E/P design for schools in the following West Virginia counties include Calhoun, Clay, Grant, Greenbrier, Hardy, Harrison, Jackson, Kanawha, Lewis, Logan, Marion, McDowell, Mercer, Mingo, Monroe, Ohio, Pocahontas, Putnam, Raleigh, Randolph, Ritchie, Summers, Taylor, Tucker, Upshur, Webster, and Wyoming.

Some of Todd's 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. He has been involved in 100's of school facilities.

**PROFESSIONAL AND COMMUNITY 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 six 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"

Recognized nationally in 2008 as a "Charter Legend in Energy"

Charter life member of the Association of Energy Engineers

Professional Affiliate Member of the American Institute of Architecture

Member of the American Association of Hospital Engineers

Member of the National Society of Professional Engineers

Member of the 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 annual National System Commissioning Conference

**Ted T. Zachwieja****Principal-in-Charge  
Construction Administration**

Ted has over 52 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 Specialist. Ted has been involved in all aspects of mechanical and electrical design and construction since 1958, including machine design, structural design and design of heating, ventilating, air conditioning, plumbing, fire protection and electrical systems.

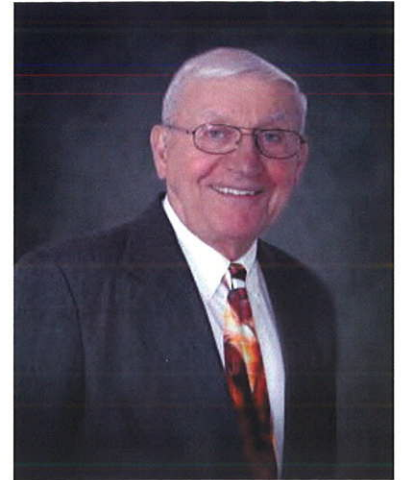
Ted's experience includes work for U.S. Steel, Union Carbide, Rhone-Poulenc, Bluefield Regional Medical Center, Charleston Area Medical Center, United Hospital Center, Kanawha County Schools, Marshall University, West Virginia Capitol Complex, West Virginia Institute of Technology, West Virginia University, Bank One and many others in the private sector. Ted's design regarding Chase Towers – Charleston included conducting a comprehensive energy audit, design of a Building Automation Energy Management System, HVAC renovations, design of flat plate heat exchanger system for the perimeter fan coil units and design of the boiler replacement.

Ted was involved with the mechanical and electrical renovations for the State of West Virginia Division of Culture and History as part of a total \$4.5 million project. The indoor air quality, temperature and humidity each were not in accordance with good design practices for this type of structure. **ZDS** was 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 the eastern United States.

Ted's most recent health care experience includes lighting projects and various studies for seven hospitals for the West Virginia Department of Health and Human Resources – Jackie Withrow Hospital, Beckley; Hopemont State Hospital, Terra Alta; John Manchin, Sr. Health Care Center, Fairmont; Lakin State Hospital, West Columbia; Mildred Mitchell-Bateman Hospital, Huntington; Welch Community Hospital, Welch; and William R. Sharpe, Jr. Hospital, Weston. Other health care experience includes millions in renovation and new construction design for Charleston Area Medical Center's (CAMC) Special Care Facility, Bluefield Regional Medical Center, 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, VA Hospital - Huntington, Mercy Medical Center, and Webster Memorial Hospital.

**EDUCATION**

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

**PROFESSIONAL AND  
COMMUNITY AFFILIATIONS**

Construction Specifications Institute  
(Charter Member)

American Society of Mechanical  
Engineers

American Society of Heating,  
Refrigeration & Air Conditioning  
Engineers (ASHRAE)

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



**Ted T. Zachwieja****(Continued)**

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 West Virginia Community & Technical College's renovations, West Virginia University's (WVU) White Hall and Armstrong Hall, WVU's Wise Library Sprinkler System, WVU's Chilled Water Loop Interconnect – Morgantown, Charleston Area Medical Center (CAMC), Memorial Division Chiller Replacement, CAMC's General Division Chiller Replacement, Variable Pumping System and Chillers Interconnect – Charleston, and many others.

Throughout the years, Ted has worked on new and renovation projects such as West Virginia University Stadium and Forestry Building – Morgantown, addition and renovation of the air conditioning system for the West Virginia State Capitol Building – Charleston, Conley Hall and Science Building HVAC renovations and additions, West Virginia Institute of Technology - Montgomery, 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 and Rhone Poulenc - Institute, HVAC renovations for the Benedum Student Center at West Virginia Wesleyan College - Buchannon, Greenbrier East and Greenbrier West Schools, Mingo County Schools, Raleigh County Schools including new Shady Springs Middle School, new Trap Hill Junior High School, Academy of Career and Technology Center HVAC renovations, Marsh Fork Elementary renovations, Park Middle School renovations, Woodrow Wilson High School renovations, Randolph County's Elkins Middle School renovations, Pocahontas County High School (Geothermal) renovations, Wyoming County Schools, Tucker County Schools, Webster County High School, Glade Elementary/Middle School and Webster Springs Elementary School HVAC renovations (Geothermal) and exterior renovations, and various other secondary schools.



**Ted A. Zachwieja III****Systems Administrator  
M/E/P Designer**

Ted has over four years of experience and has completed extensive Building Information Modeling studies through Autodesk. He also had special courses in Advanced Computational Techniques, Control Systems, Design Project Management, Design Optimization, Measurement Instruments and Controls, and Sound Attenuation. Ted also has extensive studies in several of the leading engineering programs: Autodesk Revit software, AutoCAD, Pro-Engineering software, ANSYS, Lab View, MATLAB, and complete training in Microsoft Office Software. He also has experience in IT systems and administration. The experience encompasses development and deployment of a central server to networked computer systems, strategic development for a truly mobile employee, and research and development of new project management tools.

Ted's project experience includes the commissioning and design for heating, ventilating, air conditioning, plumbing, electrical and lighting systems for educational, health care, industrial and commercial facilities. He also maintains an active membership to the ASHRAE professional society. He maintains an active continuing education towards today's standards and codes.

Some of Ted's project experiences include the following:

**COMMERCIAL and INDUSTRIAL**

- West Virginia Air National Guard Maintenance Hangar, Charleston, WV
- West Virginia Air National Guard Fuel Cell Hangar, Charleston, WV
- Bayer Material Science
- I-70 Welcome Center, WV
- West Virginia State Capital Complex Central Heating Plant

**HEALTH CARE**

- West Virginia Department of Health and Human Resources Hospitals:
  - Jackie Withrow Hospital, Beckley
  - Hopemont State Hospital, Terra Alta
  - John Manchin, Sr. Health Care Center, Fairmont
  - Lakin State Hospital, West Columbia
  - Mildred Mitchell-Bateman Hospital, Huntington
  - Welch Community Hospital, Welch
  - William R. Sharpe, Jr. Hospital, Weston

**EDUCATIONAL****Schools**

M/E/P design for schools in the following West Virginia counties includes:

- Greenbrier West High School Additions/Renovations, WV
- Davis-Thomas Elementary/Middle School Renovations, WV
- South Charleston High School Renovations, WV
- Glade Elementary/Middle School Renovations, WV
- Elkins Middle School Renovations, WV
- Jaeger/Panther Elementary School, WV

**EDUCATION**

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

**PROFESSIONAL AFFILIATIONS**

American Society of Heating, Refrigeration and Air Conditioning Engineers (ASHRAE)

**James E. Watters****Project Manager  
Production Manager**

Jim has over 35 years experience in design and implementation of HVAC, plumbing and electrical systems including nine years in the construction industry. He has a comprehensive knowledge of construction documents, contracts, and development of cost estimates, budgets and schedules. Jim's strengths reside in his ability to manage projects and people in an organized and cost-effective manner. Jim has been involved with the design and production of mechanical and electrical drawings including HVAC, plumbing, fire protection, lighting, electrical power and specialized systems. He has worked with and managed engineers in projects for health care, educational and commercial buildings in the states of West Virginia, Ohio, Kentucky, Virginia, Georgia, New York, Arizona, Illinois and Massachusetts. He has extensive experience in energy savings' programs for HVAC, plumbing and electrical systems in hospitals, state and government office buildings, school systems, and manufacturing facilities, as well as managing performance contracts for the state of Georgia totaling \$10,000,000 in construction costs on various projects.

Through the years, Jim has researched and implemented into practice International Building Codes, NFPA Codes, National Electrical Codes, Life Safety Codes, IES standards, AIA Guidelines for Design and Construction, and the evolving ADA standards. Some of Jim's HVAC, plumbing, fire protection and electrical project experience includes the following:

**GOVERNMENT AND  
COMMERCIAL**

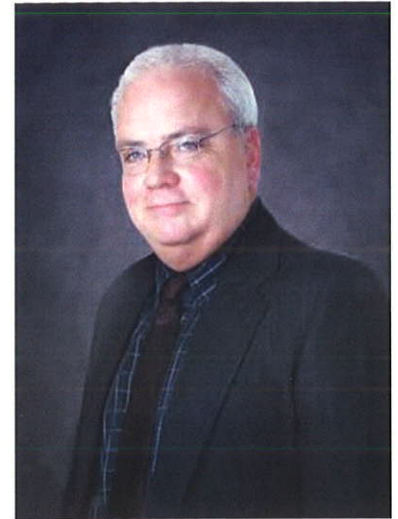
- Boyd County, Kentucky Judicial Center
- Fenway Park in Boston - Lightning protection and grounding study
- Kanawha County Commission Judicial Annex Renovations
- Tucker County Board Office Boiler Retrofit
- VA Hospital, Huntington
- West Virginia Department of Military Affairs and Public Safety Maintenance Facility in Eleanor
- West Virginia Department of Transportation Burnsville Rest Area and domestic water pumping station
- West Virginia Division of Culture and History Fire Alarm/Sprinkler upgrades

**EDUCATIONAL**

- Elkins Middle School HVAC and electrical renovations
- Marshall University Smith Hall Renovations
- Marshall University Student Housing in Huntington
- New Jaeger/Panther Elementary School
- Paul Blazer High School in Ashland
- Pleasant Hill Elementary School renovations in Calhoun County
- Ritchie County Middle/High School

**HEALTH CARE**

- Charleston Area Medical Center Memorial Division in Charleston
- Charleston Area Medical Center General Division in Charleston
- Charleston Area Medical Center Women's and Children's Hospital in Charleston
- Kings Daughters Medical Center in Ashland
- St. Mary's Medical Center in Huntington
- West Virginia Department of Health and Human Resources:
  - Jackie Withrow Hospital, Beckley
  - Hopemont State Hospital, Terra Alta
  - John Manchin, Sr. Health Care Center, Fairmont
  - Lakin State Hospital, West Columbia
  - Mildred Mitchell-Bateman Hospital, Huntington
  - Welch Community Hospital, Welch
  - William R. Sharpe, Jr. Hospital, Weston

**PROFESSIONAL AND  
COMMUNITY AFFILIATIONS**

Member of the National Fire Protection Association (NFPA)

Member of the Health Care Section of the NFPA

Member of the Illuminating Engineering Society (IES)

Past member of the Institute of Electrical Engineers (IEEE)

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



**Jennings L. Davis II, P.E., CIE****Mechanical Engineer**

Jennings has more than 20 years of experience in the design, project management and construction of heating, ventilating and air conditioning (HVAC), plumbing, electrical and specialized systems for healthcare, institutional and commercial facilities. His professional experience includes 11 years as an Owner's Representative at West Virginia University (WVU) in the positions of Staff Engineer and Construction Project Manager, 5.5 years as Mechanical Engineer for the West Virginia Department of Education (WVDE), and six years as a Project Engineer with a design and consulting engineering firm.

During his employment with WVU, Jennings was responsible for management of major repair and capital construction projects designed by outside Architectural and Engineering firms with budgets ranging from \$50,000 to \$37,000,000, as well as the design of smaller in-house projects ranging from \$10,000 to \$500,000. While working for the WVDE, he was responsible for quality control of design documents for various construction projects; troubleshooting maintenance for HVAC controls and for Indoor Air Quality (IAQ); recommissioning of HVAC systems to original design parameters; recommendations for HVAC operational and energy savings procedures; and training of maintenance personnel. He investigated facilities concentrating primarily on HVAC operation and occupant safety. Tasks included IAQ measurements such as temperature, humidity and carbon dioxide; HVAC equipment visual inspection; life safety assessment; and building component checks.

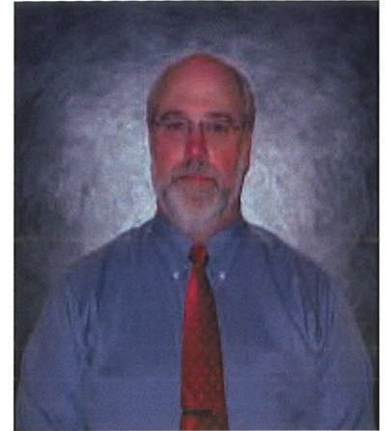
As a Project Engineer, Jennings specializes in developing scope, budget and design parameters; establishing program requirements through interaction with Owners and other Team members; design reviews; budget analysis and control; schedule control; complete design oversight and task assignment; and project closeout. Some of the projects he has been involved with include numerous renovation projects at several VA Medical Centers including multiple radiology room/suite installations and renovations, MRI's, X-ray and CT Scanners, Emergency Department renovations, numerous hospital out-patient treatment areas and specialty clinic renovations, a new \$4.4 million Hospice facility at the VA Medical Center in Coatesville, Pennsylvania, and a new \$5 million Medical Office Building for Somerset Hospital in Somerset, Pennsylvania.

Other projects include a \$37 million addition and renovation to WVU's Wise Library, a \$2.1 million chiller replacement for WVU's Engineering Sciences Building, a new primary 23kV power feed to the existing sub-station for the WVU Coliseum, engineering design for a hydrogenation reactor laboratory for WVU's Engineering Research Building, an \$8 million HVAC and sprinkler renovation for WVU's Armstrong Hall and HVAC design for transmitter station for the West Virginia Public Broadcasting Station.

A more complete list of Jennings' clients includes the following:

**SCHOOLS AND UNIVERSITIES**

- West Virginia University (WVU)
  - Wise Library addition and renovation
  - Engineering Sciences Building chiller replacement
  - Coliseum's new primary 23kV power feed to existing sub-station
  - Engineering Research Building hydrogenation reactor laboratory
  - Armstrong Hall HVAC and sprinkler renovation
- Shepherd University Ikenberry Hall HVAC Renovation

**EDUCATION**

BS in Mechanical Engineering from  
West Virginia University

**REGISTRATIONS**

Professional Engineer West Virginia  
No. 15060

Professional Engineer Pennsylvania  
No. PE062186

Professional Engineer Virginia No.  
040028

**PROFESSIONAL AFFILIATIONS**

American Society of Heating,  
Refrigeration and Air Conditioning  
Engineers (ASHRAE)

**Jennings L. Davis, P.E., CIE****(Continued)****HEALTH CARE**

- Children's National Medical Center (CNMC) 5-story East Wing Addition, New Horizons Office Renovations, 2<sup>nd</sup> Floor Vending Area Renovations, Quarantine Infection Control System Modifications, Pulmonary Renovations and Pharmacy Renovations
- Heritage Valley Health Systems (HVHS) TMC (The Medical Center) and Sewickley Valley Hospital (SVH) Radiology Reading Room, Cafeteria Renovations, Outpatient Clinic and ED Renovations
- HVHS/Moon Imaging X-Ray Relocation
- HVHS/TMC Lab HVAC Corrections, Bulk Oxygen Supply and Storage Replacement, Steam Deaerator Replacement
- Indiana (Pennsylvania) Regional Medical Center (IRMC) Blairsville Medical Office Building, Computer Room 2 A/C
- Mount Nittany Medical Center (MNMC) commissioning for East Wing addition, ED renovations, Central Utility Plant upgrades, Special Services/Computer Services Building
- Somerset Hospital ADL Suite Fit-out, Medical Office Building, Cath Lab Renovation, CT Replacement, X-Ray Replacement
- VAMC Clarksburg 4<sup>th</sup> Floor Renovations (Psychiatric Suite)
- VAMC Coatesville New Hospice
- VAMC Huntington Mental Health-Psychiatric Residential Rehabilitation Treatment Program (MH PR RTP)
- VAMC Philadelphia Canteen Renovations, Dental Lab Renovations, ED and Patient Processing Renovations, Home Health Renovations, Medical Records Renovations, MRI Renovations, CT Scan Renovations, Angio Suite Renovations, Specialty Clinic Renovations, OR Suite HVAC System Upgrades, Chiller and Cooling Tower Replacements, New Patient Transport Elevator, Clean Steam System for Facility Wide Humidification
- West Virginia Department of Health and Human Resources Hospitals:
  - Jackie Withrow Hospital, Beckley
  - Hopemont State Hospital, Terra Alta
  - John Manchin, Sr. Health Care Center, Fairmont
  - Lakin State Hospital, West Columbia
  - Mildred Mitchell-Bateman Hospital, Huntington
  - Welch Community Hospital, Welch
  - William R. Sharpe, Jr. Hospital, Weston

**OTHER EXPERIENCE**

- West Virginia Parkways Authority
- West Virginia Air National Guard (WVANG) New Hangar Commissioning
- West Virginia Public Broadcasting Station HVAC design for transmitter station



**James W. Lowry, P.E.****HVAC, Fire Protection, Plumbing  
and Commissioning Engineer**

James has seven years of experience and has completed extensive HVAC design training at Carrier Training Center, Syracuse, New York, and hydronic design/applications at the B&G Training Center, Chicago, Illinois. He also had special courses in Finite Element Analysis, Vibration Analysis, Fluid Power, Automatic Controls, Industrial Instrumentation, and Programmable Logic Controllers (PLCs).

James' experience includes the design for mechanical engineering, heating, ventilating, air conditioning, plumbing, electrical and lighting for educational, health care, industrial and commercial facilities. He specializes in HVAC, fire protection and plumbing design and commissioning. He researches and applies International Building Codes, NFPA, ASHRAE standards and the AIA Guidelines for Design and Construction of Health Care Facilities.

Some of James' project experience includes the following:

**EDUCATIONAL**

- Concord University Technology Center
- Davis Thomas Elementary/Middle School
- Eastern Greenbrier Middle School addition
- Elkins Middle School HVAC/electrical renovations
- Glade Elementary/Middle School renovations
- Greenbrier West High School additions/renovations
- Harvard University
- Jaeger/Panther Elementary School
- Independence Middle School
- James Monroe High School HVAC renovations
- Man/Central Elementary addition
- Marshall University
- New McDowell County Southside K-8 School
- Park Middle School HVAC renovations
- Pleasant Hill Elementary renovations
- Ritchie County Middle/High School HVAC/plumbing renovations
- Shady Spring Elementary School
- Smithville Elementary School additions/renovations
- South Charleston High School
- Tucker County High/Career Center HVAC renovations
- West Virginia University Institute of Technology – Engineering Building Evaluation
- Woodrow Wilson High School HVAC/electrical renovations

**INDUSTRIAL**

- Bayer Material Science
- West Virginia Higher Education Policy Commission (WVHEPC) South Charleston Tech Center – Campus Comprehensive Infrastructure Evaluation

**EDUCATION**

BS in Mechanical Engineering from  
West Virginia University Institute of  
Technology, Montgomery, WV in 2004

**REGISTRATIONS**

West Virginia State Board of  
Registration for Professional Engineers

Professional Engineer West Virginia  
No. 18948

**PROFESSIONAL AFFILIATIONS**

American Society of Mechanical  
Engineers (ASME)

American Society of Heating,  
Refrigeration and Air Conditioning  
Engineers (ASHRAE)

**Marshall Cochran****MEP CAD Designer  
Technical Analyst**

Marshall has approximately 20 years experience specializing in Computer-Aided Drafting and design and is presently working with AutoCAD 2008 and Revit 2011. He has a comprehensive knowledge of AutoCAD and Integraph.

Marshall has been involved in the design and production of mechanical, electrical, fire protection, plumbing, process piping, structural and civil schematic design, design development and construction documents for colleges and universities, schools, health care, industrial and civil organizations in the states of Utah, Nevada, West Virginia, Virginia, Ohio and Pennsylvania. Marshall has developed site utility drawings, plan views, isometric views, elevation, flow diagrams, riser diagrams, details and schedules, for a complete set of working documents.

Some of Marshall's project experience includes the following:

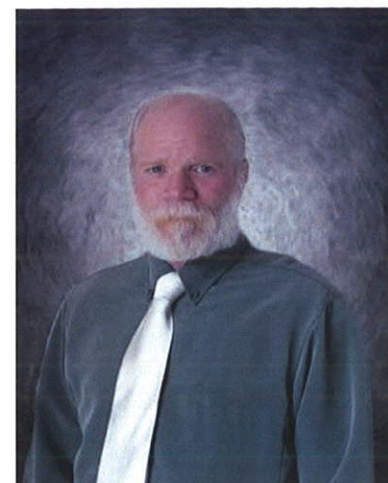
**HEALTH CARE**

- Charleston Area Medical Center (CAMC)
- CAMC Wound Care Center
- Montgomery General Hospital
- Outpatient Surgery Facility of Pennsylvania
- St. Joseph's Hospital
- United Hospital Center
- VA Hospital, Huntington
- Webster Memorial Hospital
- West Virginia Department of Health and Human Resources:
  - Jackie Withrow Hospital, Beckley
  - Hopemont State Hospital, Terra Alta
  - John Manchin, Sr. Health Care Center, Fairmont
  - Lakin State Hospital, West Columbia
  - Mildred Mitchell-Bateman Hospital, Huntington
  - Welch Community Hospital, Welch
  - William R. Sharpe, Jr. Hospital, Weston

**EDUCATIONAL**

- Bluefield College
- Bluefield State College
- Concord University
- Marshall University
- Ohio University
- Southern West Virginia Community and Technical College
- West Virginia Wesleyan College
- Washington and Lee University
- West Virginia University
- Mechanical, electrical and plumbing renovations for schools in the following counties in West Virginia:

Calhoun	Mingo
Clay	Monroe
Grant	Raleigh
Greenbrier	Randolph
Hardy	Ritchie
Harrison	Putnam
Jackson	Pocahontas
Kanawha	Summers
Lewis	Taylor
Logan	Tucker
Marion	Upshur
McDowell	Wayne
Mercer	Webster
	Wyoming

**EDUCATION**

Associate Degree in Computer-Aided Drafting, ITT Technical Institute, Murray, Utah, 1990

Has completed various courses at Parkersburg Community College, Parkersburg, West Virginia and Arch Moore Vo-Tech, Frozen Camp, West Virginia

**GOVERNMENT AND COMMERCIAL**

- Kanawha County Judicial Annex HVAC renovations
- Morgantown Welcome Center
- I-70 Welcome Center
- DOT Welcome/Rest Area Prototypes
- DOT Boiler and Chiller replacement
- West Virginia Culture Center HVAC renov.
- Cass Scenic Railroad Clubhouse renov.
- Bluefield Area Transit Authority Administration and Maintenance Facility
- Jackson County Libraries
- Point Pleasant River Museum
- Dudley Public Safety Center Fire Station
- Hardy County Daycare Center
- United States Department of Agriculture – Forest Products Marketing Laboratory
- Hart Field Maintenance Building
- Bank One of Charleston
- General Motors
- Toyota
- West Virginia Public Service Commission Headquarters Building
- West Virginia Capitol Complex Central Boiler Plant
- Kanawha County Circuit Court Room
- Fairmont Boys Home



**Daniel H. Kim, PH.D.****Principal, Management Services**

Daniel brings with him strong design and management skills with over 24 years of experience in consulting ranging from traditional electrical and mechanical systems design to being one of the nation's leading experts in organizational issues including Total Quality Management and Systems Thinking. His specialties include the management and design of HVAC systems for new building construction in the \$50 - 150 million range including the One Hundred and Fifty, Federal Streets, Boston, MA; the Becton Dickinson World Headquarters, NJ; Marketplace Center, Boston, MA.

Daniel has been an organizational consultant and public speaker who is committed to helping problem-solving organizations transform into learning organizations. He has worked with numerous companies including DuPont, Ford Motor, Harley Davidson, Hanover Insurance, Healthcare Forum, CIGNA, Life Technologies, Ameritech Services, Brigham & Women's Hospital and General Electric, among others.

**Publications**

- "Learning Laboratories: Designing Reflective Learning Environments," *Proceedings of 1989 International System Dynamics Conference*, Stuttgart
- "Experimentation in Learning Organizations: A Management Flight Simulator Approach," *European Journal of Operations Research*, May 1992
- "Systems Archetypes: Diagnosing Systemic Issues and Designing High-Leverage Interventions" 1992, Cambridge, MA: Pegasus Communications
- "Toward Learning Organizations: Integrating TQC and Systems Thinking," *Special Report Series*, Cambridge, MA: Pegasus Communications
- "The Leader with the Beginner's Mind," *Healthcare Forum Journal*, July/August 1993

**Lectures**

Keynote speaker and/or concurrent session at several conferences, including those hosted by The Planning Forum, The Healthcare Forum, Institute for Healthcare Improvement, The Conference Board.

Speaker at Hofstra University, Monmouth College, University of Houston, and U.C. Berkeley.

**EDUCATION**

Ph.D. in Management from  
Massachusetts Institute of Technology  
Sloan School of Management in 1993

Bachelor of Science in Electrical  
Engineering from Massachusetts  
Institute of Technology in 1987

**David G. Dial, P.E.****Senior MEP Engineer**

David has over twenty-eight years of experience in the design and commissioning of mechanical and electrical systems. He provides HVAC, electrical and plumbing design services for a variety of clients in West Virginia. His background includes managing operating and maintenance repair and construction services for HVAC, plumbing, electrical and maintenance. He has managed grounds maintenance, security staff, information technology, IT NASA network, video surveillance and telephone systems.

David has experience in Maintenance Engineering in plumbing, HVAC, clean room design, dust collector selections, steam and condensate flow measurement, transfer of steam production from in-house to private contractor, athletic field lighting design, and farm pump water design. He has even completed a successful energy grant application from the U.S. Department of Energy. His Environmental Design experience includes PCB remediation, Air Pollution Control Commission annual reporting, removal of underground fuel storage tanks/pumps, installation and testing for radioactive material, conversion of a fleet of vehicles to operated dual fuel (gasoline and natural gas) including training, designing a filling station, custom built compressor station, cylinder operations area, filling post and monitoring of natural gas usage.

David has been involved in the design, document development, contract administration and recommissioning of the structural, mechanical and electrical disciplines of several WVU projects including Downtown Steam Tunnel Assessment, Coliseum Tunnel Redesign, Towers Exercise Room, Brooks Clean Room, lighting retrofits at Brooks Hall, exterior lighting for Mountainlair Parking Garage, cooling towers replacement at the Chemistry Annex, replacement of electric hot water boilers with natural gas pulse steam boilers, HVAC controls for Allen Hall, measure flow for sub metering/billing for campus steam/condensate systems, PCB removal from electrical equipment on campus, and power/cooling for a data Center at the WVU/NASA facility.

Other project experience includes design for Trinity High School's HVAC, plumbing and electrical system, industrial dust collector system for the Percival Dust Collector and replacement of rigging of a 2500 seat auditorium. As a production engineer, David optimized design of medical quality cryogenic freezers, incubator and shaker including scheduling the freight trucks, quality assurance of sheet metal shipments, writing repair manuals and setting up insulation.

**EDUCATION**

Bachelor of Science Mechanical Engineering, West Virginia University, 1978

Masters of Science Environmental Engineering, West Virginia University, 1980

**REGISTRATION**

Professional Engineer, West Virginia, No. 11692



**Mark A. Moore, P.E.****Project Manager  
Electrical, Mechanical and Plumbing**

Mark has over ten years of experience in electrical engineering, lighting, plumbing, technology, mechanical engineering, heating, ventilating and 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 an information systems and technology specialist and provides networking solutions and Windows based programming system solutions. He specializes in electrical power, security, fire alarm, lighting, plumbing, HVAC piping, and fire protection. Some of Mark's experience includes:

**EDUCATIONAL**

- Bluefield High School/Performing Arts Center
- Clay Elementary
- Concord University Technology Center
- Elkins Middle School
- H.J. Kaiser Elementary School
- James Monroe High School
- Ohio University Bennett Hall mechanical and electrical renovations
- Park Middle School
- Ravenswood High School
- Ritchie Middle/High School
- Tucker County High/Career Center
- Webster Springs Elementary geothermal heat pump system
- Winfield High HVAC/Electrical renovations
- Pocahontas County High School renovations/Science Center additions
- New McDowell County Southside K-8 School
- Woodrow Wilson High HVAC/electrical renovations

**HEALTH CARE**

- Hopemont State Hospital fire alarm renovations
- Charleston Area Medical Center
- United Hospital Wound Center

**COMMERCIAL**

- 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 County Daycare facility
- Jackson County Courthouse Annex
- Kanawha County Judicial Annex
- Mason County Courthouse
- 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 County multi-tenant building
- West Virginia Capitol Complex performance contracting HVAC retrofits
- West Virginia Capitol Complex master planning for security/fire alarm/life safety systems

**EDUCATION**

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

**REGISTRATION**

Professional Engineer, West Virginia, No. 17286

**Lori L. Zachwieja, CPA**

**Principal  
Chief Financial Officer**

Lori has over 26 years experience in finance, business, and accounting including being a Partner in a consulting firm, a Senior Financial and Tax Analyst for the Corporate Financial Services and Small Systems Support Department at Blue Cross and Blue Shield of West Virginia, Inc. and Staff Accountant for Simpson and Osborne, a CPA firm located in Charleston, West Virginia. Lori also has worked with an architectural firm located in Charleston.

**EDUCATION**

Bachelor of Science in Accounting,  
Bachelor of Science in Business  
Management, and Bachelor of Science  
in Computer Management; all three  
degrees were with Honors, West  
Virginia Institute of Technology in  
1983

Master's Degree at Marshall University

**REGISTRATIONS**

Certified Public Accounting in 1988,  
No. 2542

Member of West Virginia Society of  
CPA's since 1985; Certificate Number  
1949





#### COMPANY LEGAL NAME

Steven Schaefer Associates, Inc

#### LOCATION OF INCORPORATION

Ohio

#### LOCATION OF OFFICES

Cincinnati, OH; Columbus, OH

#### NUMBER OF EMPLOYEES PER OFFICE

Steven Schaefer Associates currently employs 48 design professionals: 45 in Cincinnati and 3 in Columbus

#### BREAKDOWN OF EMPLOYEES BY DISCIPLINE

Licensed Engineers.....	28
Non-Licensed Engineers.....	4
CAD Technicians.....	9
Support Staff.....	7

#### ABOUT STEVEN SCHAEFER ASSOCIATES

Steven Schaefer Associates' knowledge of building codes allows us to select the most appropriate design parameters for optimal structural efficiency and performance, to meet your budget, and avoid excessive construction costs. Clear and well-detailed construction documents take time up front but result in lower construction bids, fewer change orders and faster construction.

#### HISTORY

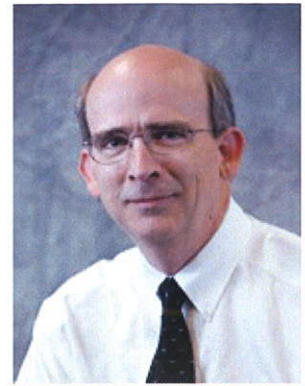
Founded in 1976, our firm is licensed in every state with thirty-two engineers and a drafting staff of nine. We've seen our size grow along with our experience, knowledge and capabilities – giving us the ability to meet your deadlines and the flexibility to respond to change. We have earned a reputation for providing quality documents for projects ranging from simple to complex building structures and provide all aspects of structural engineering – planning, design, inspection, investigation. Steven Schaefer Associates...We design solutions.

WE CAN PROVIDE DESIGN OPTIONS TO OUR CLIENTS THAT OFFER DIFFERENT LEVELS OF SUSTAINABILITY. GETTING INVOLVED IN THE PROCESS AS EARLY AS POSSIBLE ALLOWS FOR INTEGRATED DESIGN, EARLY DEFINITION OF THE OWNER'S GOALS, AND ACHIEVING THE LEVEL OF CERTIFICATION DESIRED. FROM A STRUCTURAL STANDPOINT, WE LOOK AT THE PERCENTAGE OF RECYCLED STEEL, CONCRETE OPTIONS, AND OTHER AVAILABLE SUSTAINABLE MATERIALS SUCH AS STRUCTURAL INSULATED PANELS (SIPs), INSULATED CONCRETE FORMS (ICFs) AND AUTOCLAVED BRICK.



## J. GREGORY SLIGER, P.E. Project Principal

As a project principal, Mr. Sliger oversees the work of the project team, responsible for overall project success, allocating resources to meet the project schedule, and overseeing the project reviews. In this role, he has worked on projects of varying sizes, complexity and materials. Mr. Sliger specializes in design and construction utilizing reinforced concrete, post-tensioned concrete and structural steel.



### Experience with Kreps & Zachwieja Architects:

Cecil H. Underwood Youth Center / WV State Fair – Lewisburg, WV

Greenbrier County Public Library – Lewisburg, WV

Elks Country Club – Lewisburg, WV

Roland P. Sharp Alumni Conference Center – Greenbrier County, WV

King's Daughters Medical Center – Ashland, KY

- Heart & Vascular Center
- Medical Plaza A Expansion
- Outpatient Imaging Center

St. Mary's Medical Center – Huntington, WV

- ICU Addition
- Linear Accelerator
- Heart Center Cath Lab

Summersville Memorial Hospital Addition – Summersville, WV

Thomas Memorial Hospital– South Charleston, WV

- Clinical Pavilion
- Emergency Center
- Imaging Center
- Teays Valley Oncology Center

Wetzel County Hospital Outpatient Clinic – New Martinsville, WV

### EDUCATION:

MS Civil Engineering University of Cincinnati, 1980

BS Civil Engineering University of Cincinnati, 1979

### PROFESSIONAL REGISTRATIONS:

Kentucky 20894

New Hampshire 12633

North Dakota PE6163

Ohio PE47806

Oklahoma 23613

Oregon 81744PE

Texas 98976

Utah 6485350-2203

West Virginia 010880

Wisconsin 39243-006



## DAVID A. SCHOEFF, P.E. Project Manager

David's experience covers a full range of building types and construction materials including university facilities, churches, schools, multi-story office buildings and luxury homes. He has substantial experience designing with steel, concrete, masonry, wood and light gage framing and has designed several post-tensioned concrete structures. David is a project manager in our Columbus, Ohio office.



Marshall University Campus Recreation Center and Pool – Huntington, WV

Marshall University Softball Field Facilities – Huntington, WV

North Orange Park Aquatic Center Expansion – Orange Township, OH

Campbell Elementary School / Addition & Renovation – Raceland, KY

Highland Local School District Elementary School Addition / Renovation and Middle School Renovation – Sparta, OH

Holiday Inn Expansion – Columbus, OH

Salt Rock Branch Library – Salt Rock, WV

St. Mary's Education Center / Renovation – Huntington, WV

### EDUCATION:

BS Civil Engineering, The Ohio State University -1998

### REGISTRATIONS:

Ohio PE68084

West Virginia 17336

### PROFESSIONAL AFFILIATION:

American Institute of Steel Construction



DESIGN IS ABOUT GIVING A WELCOMING, COMFORTABLE, AND STYLISH APPEARANCE WHILE PLANNING FOR PROPER LIGHTING THAT MEETS CURRENT ENERGY CODES WHILE CREATING THE RIGHT MOOD TO GIVE GUESTS A RELAXING EXPERIENCE. PARTICULAR CARE IS PAID TO ACCESSORIZATION, MURALS, ART, WATER FEATURES, ETC.

## ABOUT INNERSPACE INTERIORS

Innerspace Interior Design was founded in July 2004 by Lisa Frasure. Lisa has 25 years of commercial Interior Design experience. Early experience was with a hotel and retirement housing developer in the late 80s, followed by international work in the food service industry with Wendy's and most recently with Karlsberger Companies, a prestigious healthcare design firm in Columbus Ohio. Lisa collaborates with other designers to create the strongest interior design team for a particular project. In this case – Lime Design – also in Columbus, Ohio.

The focus of Innerspace Interior Design is to nimbly integrate with the design team; owner, architect, engineers and other consultants, using best practices to create welcoming, high performance interiors that maximize efficiency for staff and comfort for guests. We take pride in creating amazing interiors within what are often critical budgets while meeting project schedules. With LEED accreditation and our work with sustainable materials we can also make projects as Green as possible.

## SERVICES

Services that Innerspace Interiors provides include: Space programming and planning, interior architectural detailing and custom millwork design, selection and specification of interior finishes as well as furniture, artwork and accessories and LEED consultation. We also oversee installation of furnishings, artwork and accessories to be a one stop shop.



We have had extensive experience in hospital design which we feel translates well to hospitality. Innerspace equals high performance interiors! Hospitals have to be designed to take abuse but also be comfortable and stylish. It is important to us to create beautiful, warm and welcoming environments. We strive to set the mood with well selected finishes and careful lighting design for relaxing guest experiences. Timeless design is critical for a successful project as we want them to look as good years later as the day that they open.

## CLIENTS

- CHILDREN'S HOSPITAL MEDICAL CENTER OF AKRON, AKRON, OH
- CHILDREN'S NATIONAL MEDICAL CENTER, WASHINGTON DC
- CHILDREN'S HOSPITAL OF PHILADELPHIA, PHILADELPHIA, PA
- KINGSBROOK NURSING HOME, ASHLAND, KY
- NYDIC, OPEN MRI OF AMERICA, DES MOINES, IA AND COLUMBUS, OH
- PERFORMANCE SITE SOLUTIONS, COLUMBUS, OH
- COLUMBUS MOTORSPORTS, COLUMBUS, OH
- 3C BODYSHOP ESTIMATING CENTER, COLUMBUS, OH
- CPR+TI OFFICES AND TRAINING CENTER, COLUMBUS, OH
- CITY NATIONAL BANK, TEAYS VALLEY, WV
- HOLIDAY INN ON THE LANE, COLUMBUS, OH
- ST. MARY'S HOSPITAL FOR CHILDREN, QUEENS, NY
- VETERANS ADMINISTRATION MEDICAL CENTER, NASHVILLE, TN
- DELL CHILDREN'S, REPLACEMENT HOSPITAL, AUSTIN, TX
- MARSHALL HALL OF FAME RESTAURANT, HUNTINGTON WV
- KING'S DAUGHTERS MEDICAL CENTER, HEART AND VASCULAR CENTER, ASHLAND, KY.
- KING'S DAUGHTERS MEDICAL CENTER, OUTPATIENT RADIOLOGY CENTER, ASHLAND, KY
- MEMORIAL HOSPITAL OF UNION COUNTY, MARYSVILLE, OH
- KNOTTY DOG RESTAURANT, JUNGLE JIMS, CINCINNATI, OH
- SUMMERSVILLE MEMORIAL HOSPITAL, SUMMERSVILLE, WV
- WETZEL COUNTY HOSPITAL, NEW MARTINSVILLE, WV

## COMPANY LEGAL NAME

Innerspace Interior Design

## LOCATION OF INCORPORATION

Ohio

## PRINCIPAL OFFICERS

Lisa Frasure

## LOCATION OF OFFICES

Columbus, OH

## ADDRESS

760 Chaffin Ridge

Columbus, OH 43214

Phone (614) 477-5854

www.innerspaceid.com

## NUMBER OF EMPLOYEES

Interior Designer.....1



## LISA D. FRASURE, NCIDQ

### Principal, Interior Designer

Ms. Frasure brings over twenty years of Interior Design Services, with the past 14 focused on Healthcare. She has been responsible for the complete interior design of both public and privately funded bridge projects. Her previous experience includes:

Senior Interior Designer, Karlsberger Companies, 1994-2004

International Design Coordinator, Wendy's International, 1990-1994

F, F & E Coordinator, Cardinal Retirement Villages, 1985-1990



#### Selected Project Experience Involving Space Planning, Finishes and FF&E Packages:

- King's Daughters Medical Center, Heart and Vascular Center
- 140,000 square foot facility located in Ashland, Kentucky; opened October 2006
- King's Daughters Medical Center, Outpatient Radiology Center
- 21,000 square foot facility located in Ashland, Kentucky; opened June 2006
- Memorial Hospital of Union County, CT Addition and Renovation; February 2007.
- Multiple cosmetic renovations subsequently
- King's Daughters Medical Center, Surgical Recovery, Surgical Orthopedics cosmetic renovations; 2007
- Knotty Dog concept restaurant design and implementation; January 2008
- Summersville Memorial Hospital, Renovation and Addition Project; open December 2009
- New Martinsville Emergency Department Addition and Renovation; open February 2010
- Akron Children's Physician's Office Building, Akron, Ohio – Public space including auditorium, multi-purpose classrooms and pre-function spaces, physician's suites
- Akron Children's Hospital Medical Center, Akron, Ohio – Renovations to Burn, Hematology and ICU Unit and Cafeteria
- Children's National Medical Center, Washington DC - Dietary and Cafeteria Renovation
- Starnet Award for Flooring Design
- Children's Hospital of Philadelphia, Philadelphia, Pennsylvania - Family Resource Center, PICU, BMT Unit, OR Expansion and Renovation, Seashore House Public Spaces
- Renovation
- King's Daughters Medical Center, Ashland, Kentucky - Day Care Center
- Dell Children's Replacement Hospital, Austin Texas – 450,000 square foot replacement hospital
- Doctor's West Hospital, Columbus, Ohio – LDR Unit Expansion
- King's Daughters Medical Center, Medical Plaza Building A, Medical Plaza Building B - Physician's suites and public spaces
- Kingsbrook Nursing Home, Ashland, Kentucky – Nursing and Alzheimer's Care Facility
- Memorial Hospital of Union County, Marysville, Ohio – Women's Center Addition
- New Orleans Children's Hospital, New Orleans, Louisiana - renovation including Auditorium, Emergency Department and NICU. Medical Offices Building additions
- worked on waiting area with integrated play zones
- NYDIC, Open MRI of America, Des Moines, Iowa and Columbus, Ohio Locations
- Thomas Memorial Hospital, Charleston, West Virginia - Medical Office Building and Lab Expansion
- Trinity Health Systems, Steubenville Ohio - Heart Center and Cath Lab Addition
- Hayes Green Beach Memorial Hospital, Charlotte, Michigan - Inpatient Surgery Unit
- King's Daughters Medical Center, Ashland,

#### EDUCATION:

B.S. Industrial Design, The Ohio State University, 1985

#### REGISTRATIONS:

LEED Accredited Professional, National Council for Interior Design Qualification (NCIDQ) Certified 1994

#### OTHER

Board of Directors of the Columbus Green Building Forum [www.cgbf.org](http://www.cgbf.org)

and member of the Leadership and Communications Committees Central Ohio USGBC Provisional Chapter

Kentucky - Center for Advanced Care

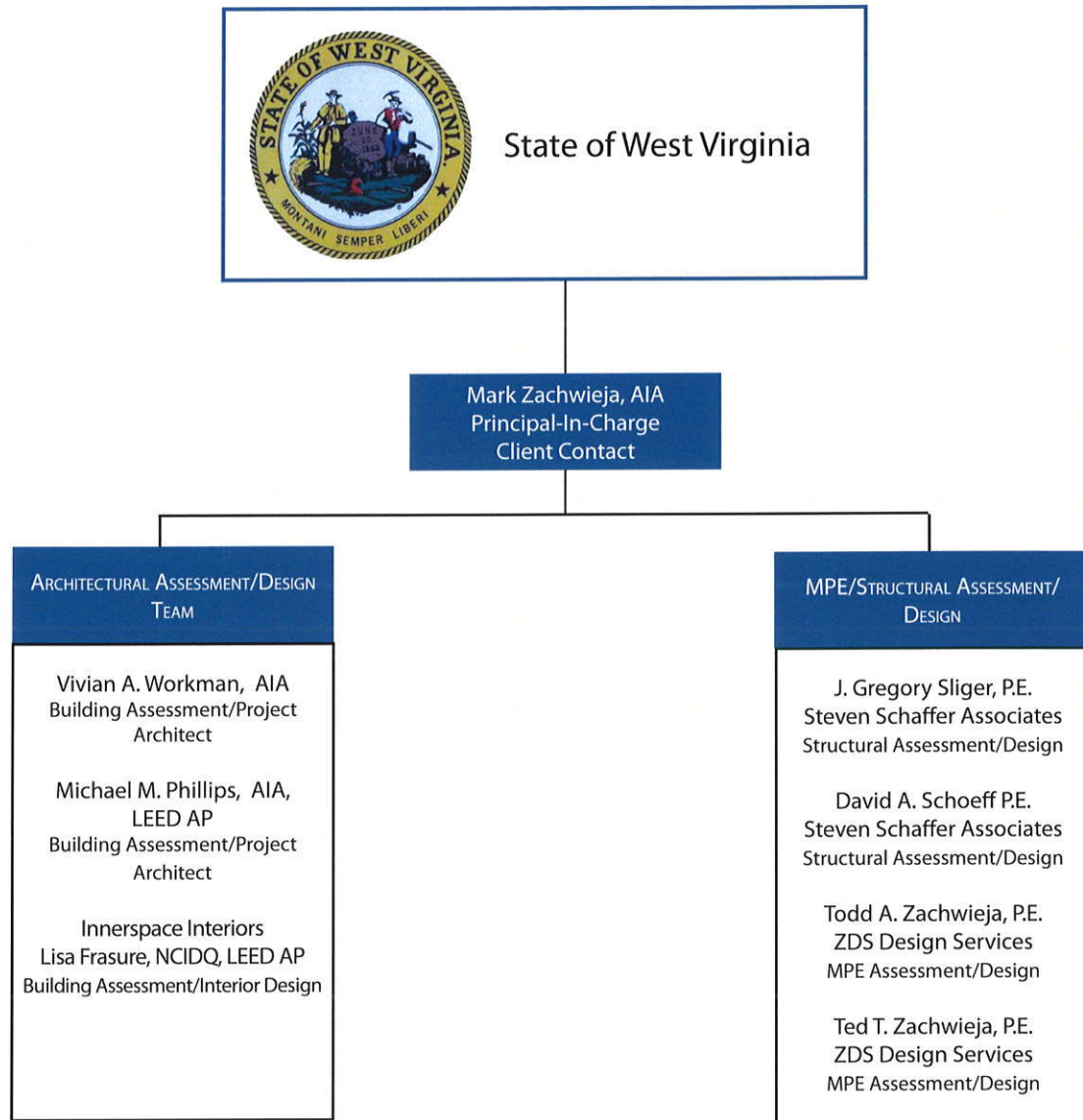
- King's Daughters Medical Center, Ashland, Kentucky - Ambulatory Surgery Center
- Performance Site Solutions, Columbus, Ohio – Office Renovation
- Columbus Motorsports, Columbus, Ohio – Store Design



# PROJECT ORGANIZATION



## PROJECT TEAM STRUCTURE



### Your Contact/Main Office:

Kreps and Zachwieja Architects

300 Capitol Street Suite 1100

Charleston, WV 25301

304.346.5361 (p)

304.346.5365 (f)



## PROCESS: A PLANNED APPROACH

### ABILITY TO PROVIDE SERVICES

Our Team is in place and ready to begin work on your project immediately. We will work to meet your time line for the project.

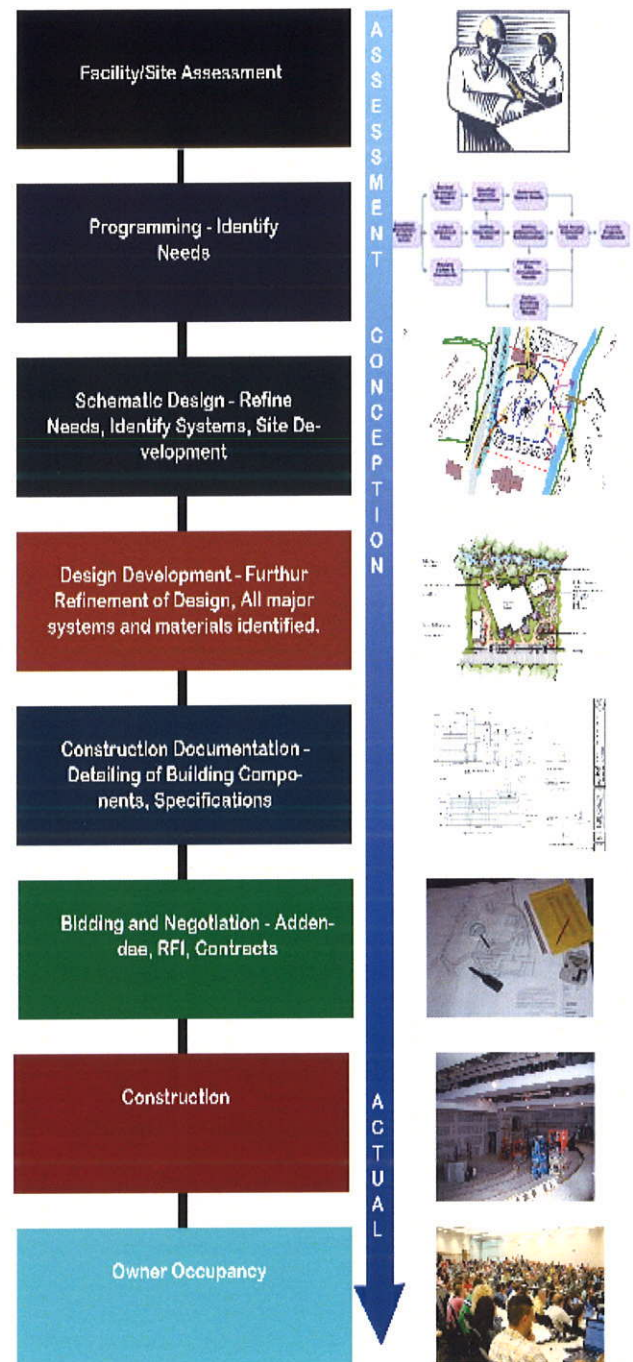
### PROJECT DELIVERY

Our Design approach is simple and uncomplicated. We are primarily driven to listen to you and meet your needs. That's it. Our intent is to speed your project to market using an integrated project delivery method that we've been using quite successfully over the years.

Early in the design process we identify the "stake holders" in the project and build consensus on all relevant issues that will arise as the process unfolds. We understand that in order to for this project to be successful, strong leadership will be required on our part to keep the stake holders focused and able to make timely decisions in order to keep the design moving forward. While the team begins work to program the building spaces and give relevant meaning to space and location of each, intense site analysis will be conducted to properly orient the new building to take advantage of any opportunity to enhance the existing complex of buildings. Within weeks, the team will have a program of building spaces that will describe each space by its use and its area in square feet.

Based on this work, we can begin to test our budget by using Order of Magnitude pricing from our vast in-house database of recent local construction costs for office buildings of similar type and size. At this time the team will engage in a series of "workshop" style design meetings with all the key stakeholders. The end result will be a schematic plan and conceptual design including narrative descriptions and an outline specification of all the buildings' engineering systems.

We are confident in our ability to produce drawings early in the project that encourage a meaningful "dialogue" between owner, architect and potential tenant agencies.

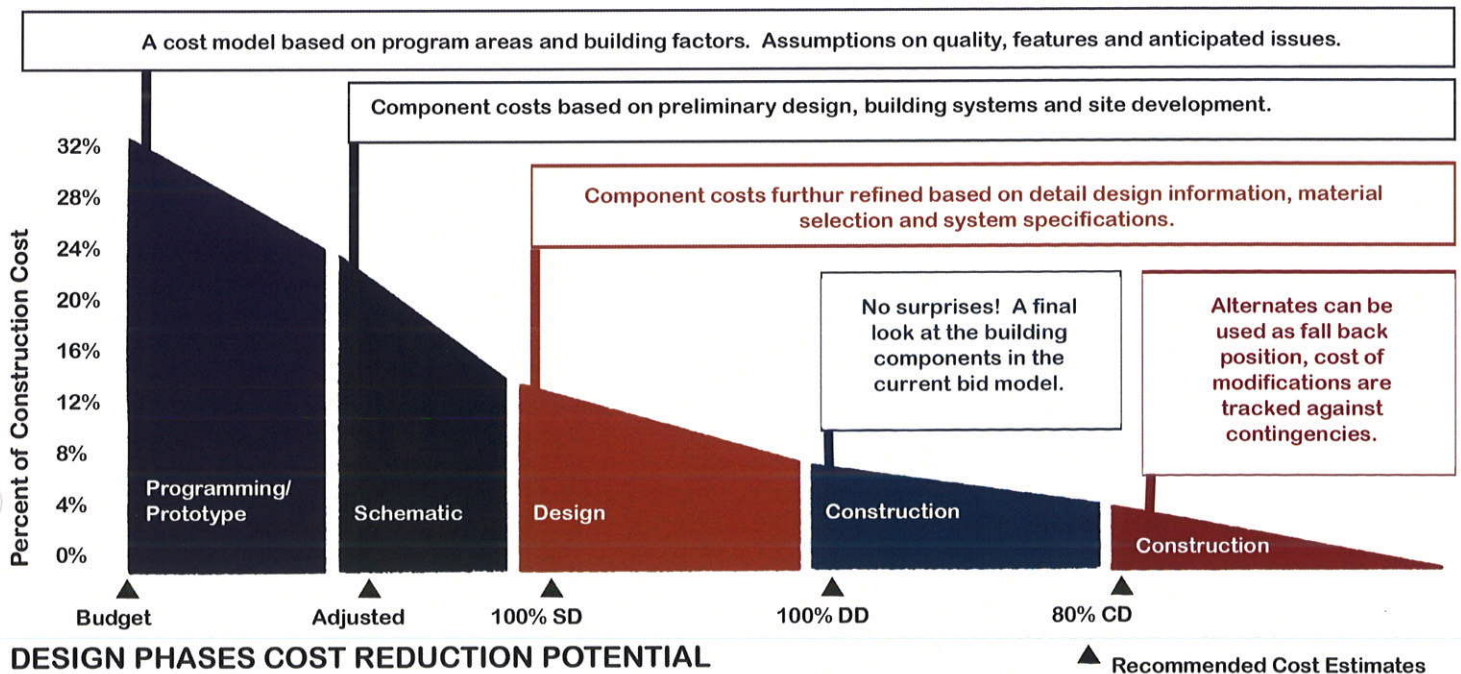


This dialogue will benefit you, the owner, by saving valuable time and money in the process. We would welcome the opportunity to further elaborate on our recent successful experience working with a multiple user groups.

We want to forge a special relationship with the State of West Virginia to produce an award winning project that will enhance the way you do business and meet your goals and objectives.

From there, the design team will begin to narrow the focus of tasks performed to finalize the design and details that will form the construction documents. At 80% completion, we will review the drawings with the owner to perform a cost estimate that will guide us into the final stages of document production and onto approvals for construction to begin. At 100% complete drawings, we will be within budget (our guarantee to you) and the bidding and construction process can begin.

We will provide construction period services throughout the duration of the construction to ensure that the work is being completed to meet your needs. Once construction is finalized, we will be at your service to ensure a smooth transition into the new complex. Near the end of the critical first year of occupancy, the design team will conduct a post-occupancy evaluation to monitor the overall success of the designs and confirm warranties on workmanship, etc. before they expire.





## PROJECT IDEALS: ESTABLISHING THE IDENTITY OF THE PROJECT

Every project has a set of overriding ideals that help to drive the vision of the completed building and it's site. These may include:

Branding/Creating an iconographic image

Community Involvement

Complexity

Technology

Sustainability

"WOW" Factor

Award Winning Design

Growth/Expansion

Longevity

Successful projects can incorporate a multitude of these ideals in a harmonious way. The key is establishing these goals early in the process and periodically reviewing them throughout the project design.

Complex and exciting projects need not be maintenance intensive. Through careful selection of appropriate systems, materials and finishes, the maintenance impact of the project can be minimized.

ZDS provided engineering for upgrades for the WV Capitol Complex including Buildings #1, #3, #4, #5, #6, #7, #8 and #10 as part of a Performance Contracting team. They designed Building #11 HVAC Renovations and understand the campus chilled water loop system. We believe our knowledge and involvement in the Capitol Complex's facilities will help with the proposed renovations. ZDS has also provided comparable engineering renovations for the eight-story Judicial Annex facility in Charleston and HVAC/electrical renovations for Harris Hall at Marshall University. Many of their WV County Schools clients involved extensive MEP renovations totaling hundreds of millions in construction costs. These include Raleigh County School's Woodrow Wilson High School, Park Middle School, Shady Springs Middle School, Trap Hill Middle School, Randolph County School's Elkins Middle School, Webster County High School and many others.

We believe that our combined specialties and experience with your facility provide the State of West Virginia with the best expertise to provide economical solutions to your specific projects needs. Our proposed Team Members have knowledge of your existing facility, which will also aid in responding promptly to your needs.

Our approach to incorporate new proven technologies and management methods have saved our clients substantial money in the construction costs and operating costs. Our team has over five decades of experience in West Virginia giving us a great local understanding of the State community. Our Team consists of code specialists to help ensure that the proposed renovations also incorporate the State of WV Fire Marshal requirements, NFPA, ASHRAE, NEC, International Building Code and other pertinent requirements. We also have an excellent reputation with the WV State Fire Marshal's office. We believe that our combined specialties provide WV Capitol Complex's Building #4 Renovations with the best expertise to provide economical solutions for your specific projects needs.



## OFFICE BUILDING PULLMAN, FOWLER & FLANNIGAN Charleston, West Virginia

In 2005 the law firm of Pullman, Fowler and Flannigan had outgrown their office space in downtown Charleston and purchased a building in the heart of Charlestons Historic District. The partners hired Kreps and Zachwieja Architects to rehabilitate the building which previously contained retail and office space.

The program required a complete historic rehabilitation including historic window replacement. The owner also received Rehabilitation Investment Tax Credits (R.I.T.C.). The work was monitored by the WV State Historic Preservation Office in order to comply with the Department of the Interior Standards for Historic Rehabilitation. The building was completed in 2006 and was the recipient of an ABC Excellence in Construction Award.



CONSTRUCTION COST:  
\$3,500,000

COMPLETION DATE:  
2007

PROJECT SIZE:  
33,000 SF

SERVICES PROVIDED:  
Facility Masterplanning  
Architectural Design  
Construction Administration

CONTACT;  
Kevin Cushing, Firm  
Administrator  
  
Charleston, WV  
304.344.0100  
kcushing@pffwv.com





## MEDICAL PLAZA BUILDING A KING'S DAUGHTERS MEDICAL CENTER Ashland, Kentucky

Our first major project with King's Daughters Medical Center involved adding 2 floors on top of an existing medical office building. KDMC was growing at double digit rates each year and new medical office space was non-existent. Through the planning process, Kreps and Zachwieja recommended changing the structural system from poured-in-place concrete to a much lighter in weight steel system. The material change allowed the owner to create a 3rd addition floor not originally intended for this building. 30,000 square feet of shell space was created at a lower cost allowing the hospital to have an "empty chair" in their facility planning efforts.

CONSTRUCTION COST:  
\$6,500,000

COMPLETION DATE:  
2003

PROJECT SIZE:  
90,000 SF

SERVICES PROVIDED:  
Facility Masterplanning  
Architectural Design  
Construction Administration

CONTACT;  
Howard Harrison, Executive  
Director, Facilities/ Support  
Services

Kings Daughter's Medical Center  
2201 Lexington Avenue  
Ashland, KY 41101  
606.327.4618  
Howard.Harrison@kdmc.net





## MEDICAL PLAZA BUILDING B KING'S DAUGHTERS MEDICAL CENTER Ashland, Kentucky

Complementing the Medical Plaza Building "A" is a new medical office building. Medical Plaza Building B A circular entry court and sweeping canopy physically connect the two buildings and give KDMC patients and visitors an easily identifiable entrance. The hospital valet program parks nearly 1,000 cars a day at this location making this a main entrance into the Medical Center. Medical Plaza Building B is designed to rise 10 floors when all phases of construction are complete. Two additional floors have already been added to the core building with 3 floors remaining to be constructed. Careful thought is given during the planning and design of the core project to keep the building operational during later construction phases. Kreps and Zachwieja, through our many years of hospital facility/medical office planning, have developed an expertise in project sequencing and incorporate that into the planning process.

### CONSTRUCTION COST:

\$15,500,000, \$7,000,000

### COMPLETION DATE:

2005, 2008

### PROJECT SIZE:

77,000 SF (original 4 floors)

38,000 (additional 2 floors)

### SERVICES PROVIDED:

Facility Masterplanning

Architectural Design

Construction Administration

### CONTACT:

Howard Harrison, Executive  
Director, Facilities/ Support  
Services

Kings Daughter's Medical Center

2201 Lexington Avenue

Ashland, KY 41101

606.327.4618

Howard.Harrison@kdmcc.net





## MEDICAL OFFICE AND CLINICAL PAVILIONS THOMAS MEMORIAL HOSPITAL South Charleston, West Virginia

Our association with Thomas Memorial Hospital began in 1949. Early additions and alterations for Thomas in the 1950's and 1960's by our original founders Vecellio and Kreps have been eclipsed by recent projects by Kreps and Zachwieja Architects. More recent projects of note include the Medical Office Pavilion and \$60 million Clinical Pavilion. These multi-phased projects are the culmination of several years of planning. Their combined total project cost of over \$100 million represents the largest investment at their South Charleston Campus in 65 year history.

The design parameters that were set for this building were kept during the next and larger phase of the project. This project gives our client, Thomas Health Systems, the only all private room hospital in the Kanawaha Valley.

CONSTRUCTION COST:  
\$76,000,000

COMPLETION DATE:  
2005, 2010

PROJECT SIZE:  
256,240 SF combined

SERVICES PROVIDED:  
Facility Masterplanning  
Architectural Design  
Construction Administration

CONTACT;  
Stephen P. Dexter, CEO  
Thomas Memorial Hospital  
4605 MacCorckle, SW  
South Charleston, WV 25309  
304.766.3684







## UNITED STATES FEDERAL COURTHOUSE Charleston, West Virginia

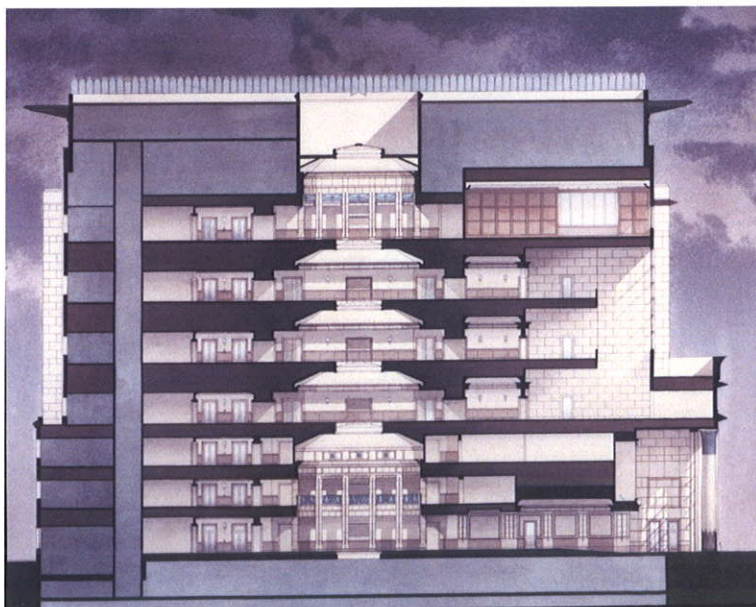
Kreps and Zachwieja was part of the architectural team for this totally new 420,000 sq. ft. facility. Our responsibility included space planning for 150,000 sq. ft. of U. S. government space and site work. The courthouse and federal building is among the most significant civic structures in West Virginia

CONSTRUCTION COST:  
\$63,000,000

COMPLETION DATE:  
1997

PROJECT SIZE:  
150,000 SF  
420,000 SF

SERVICES PROVIDED:  
Architectural Design





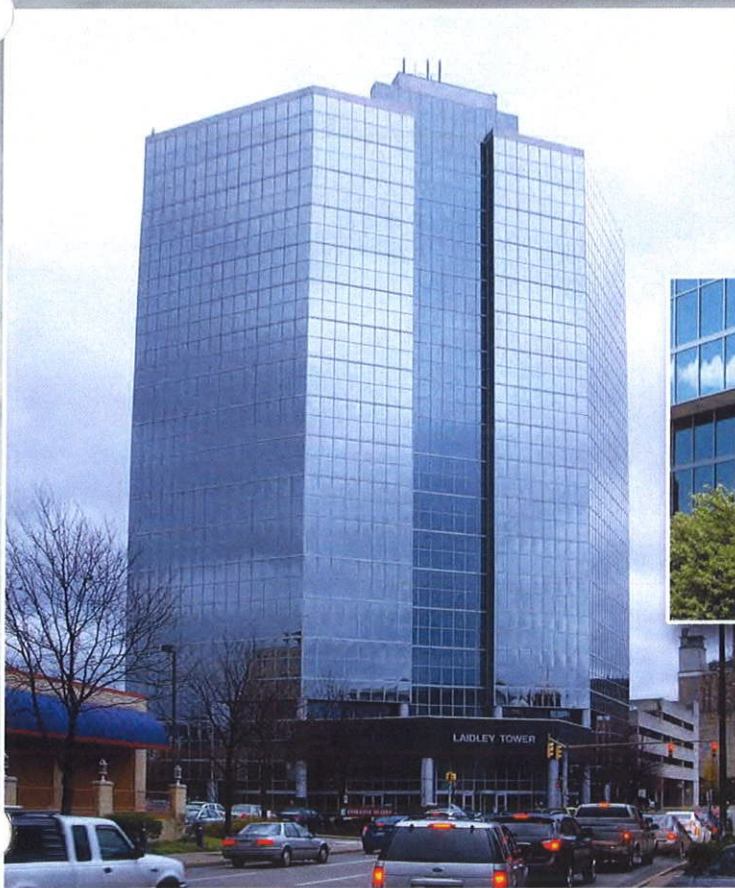
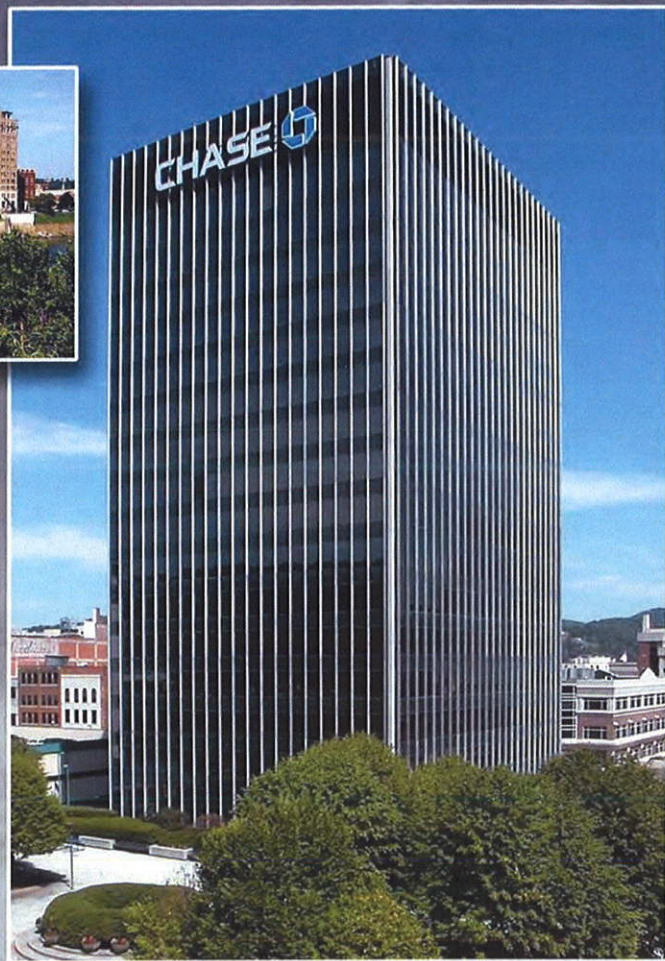
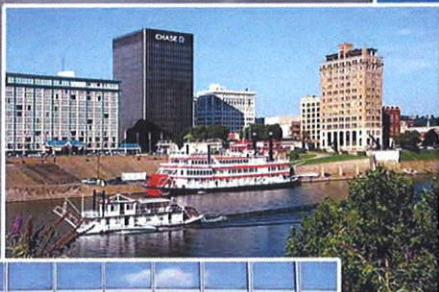
# Engineering for Commercial Facilities

**ZDS project experience includes a wide variety of commercial buildings — office, retail, judicial, banking, dining, technical and other facility types.**

## Bank One/Chase

A Charleston skyline focal point, the Chase Tower (formerly Bank One) contains 271,000 feet of professional office space.

ZDS replaced the core central HVAC system for the entire building.



## Laidley Tower

One of the State's tallest buildings rising 18 stories high.

ZDS provided the Master Engineering Planning for the whole structure.

ZDS upgraded the core Mechanical/Electrical and Plumbing systems as well as customized tenant build-out renovations.

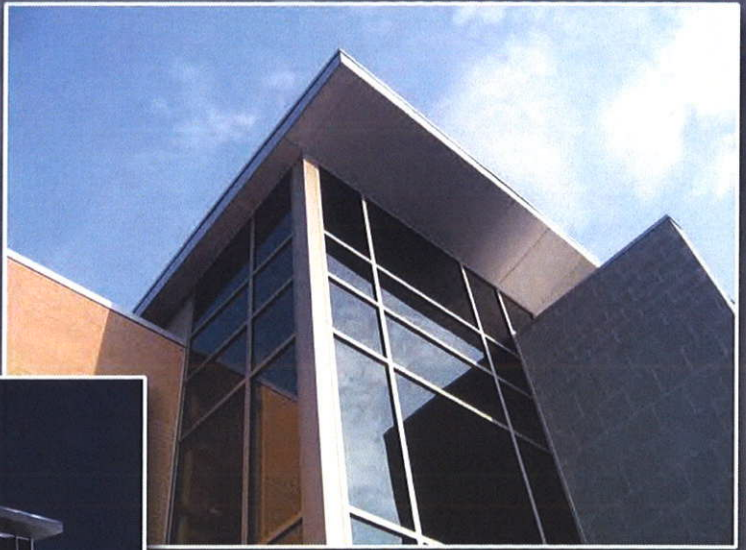


**Design/Consulting Services**



### West Union Bank

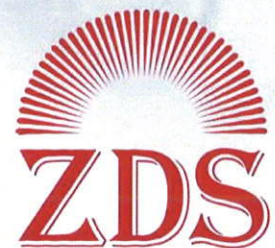
An AIA Awarded project, ZDS provided HVAC, Plumbing and Electrical engineering, which included rigorous bank security standards and systems.



### Clear Mountain Bank (formerly called Sabraton)



ZDS provided comprehensive HVAC, Plumbing and Electrical engineering, which included stringent bank security systems.



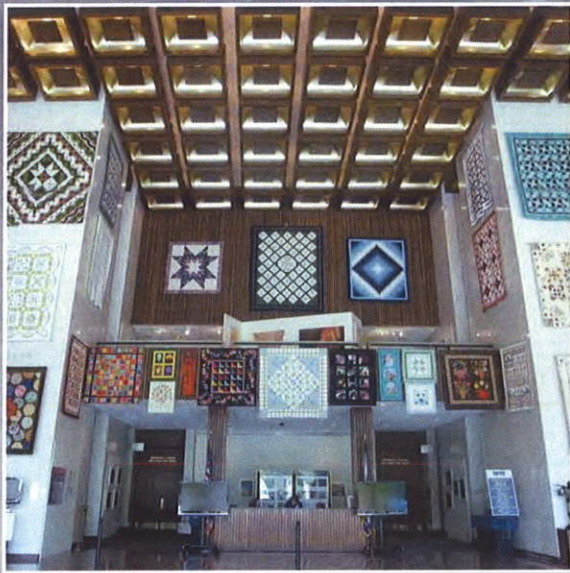
**Design/Consulting Services**



ZDS provided engineering planning, design, bidding and construction administration services for HVAC, Electrical, Plumbing and Fire Protection.

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

### Mercer County Annex

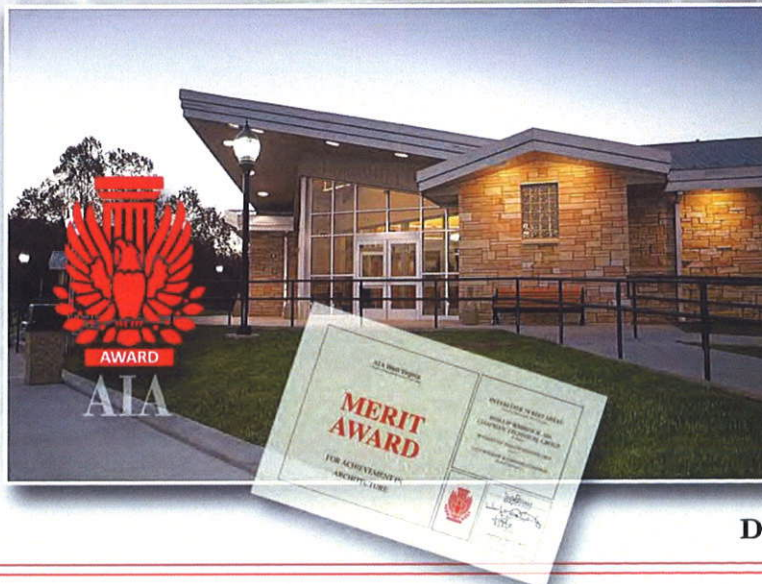


### West Virginia Museum of Culture and History

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

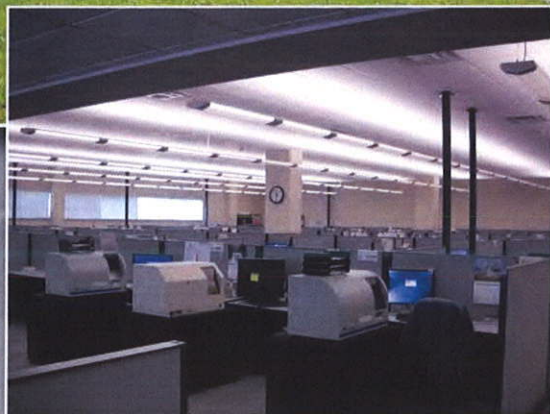
ZDS engineered the prototype for all of the Welcome Centers and Rest Areas throughout West Virginia.

AIA recognized the Burnsville Rest Area with a Merit Award.



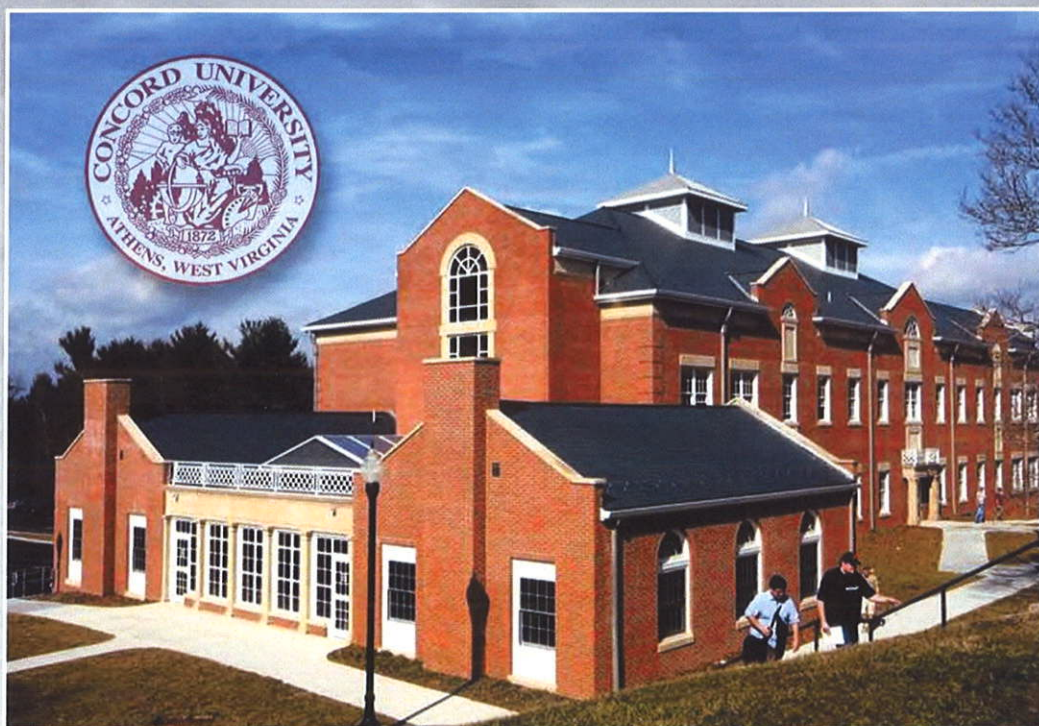
**Design/Consulting Services**





### IMC Data Operations Center

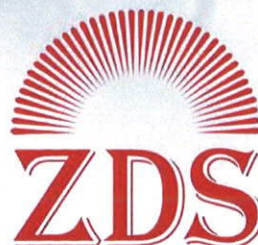
An AIA Awarded facility with sustainable features including geothermal energy.



### Concord University Nick J. Rahall Technology Center

The \$375,000 electrical upgrades included a Campus Medium Voltage Loop, which also provided an uninterruptible power supply needed for the new technology center where all of the University's internet and intranet systems resided.

An intensive evaluation showed the benefits of constructing a new 50,000 sf facility attached to an existing structure.



**Design/Consulting Services**





## WEST VIRGINIA SCHOOL OF OSTEOPATHIC MEDICINE Lewisburg, WV

Starting with a new campus masterplan in 1989, Kreps and Zachwieja has worked with the WV School of Osteopathic Medicine to adaptively reuse the existing buildings on the historic military school campus. Kreps and Zachwieja developed masterplans that converted former residence halls into administrative office space and modernized classrooms for medical school use. Keeping the historic character of the campus in tact is accomplished through historically sensitive renovations and additions. All of the new buildings designed by Kreps and Zachwieja invoke the old military school architectural style through the use of iconic architectural elements found in the original buildings.

Kreps and Zachwieja's affiliation with WVSOM School began in the 1980's. The school was granted an increase in student enrollment and the 1987 Master Plan reflected the need for this new growth and was implemented over the next 10 years. At that time the school was granted an additional increase in enrollment which resulted in the 2000 Master Plan. This plan is currently being implemented most recently with the new Center for Clinical Evaluation, which is was complete in 2009. Other Projects of note completed in the last 10 years include:

**CONSTRUCTION COST:**  
\$40,000,000+(combined)

**COMPLETION DATE:**  
1989-2009

### FEATURES:

- Center for Clinical Evaluation
- Center for Technology and Rural Medicine
- Robert C. Byrd Clinic Phase I, II, and III
- Frederic W. Smith Laboratory

### SERVICES PROVIDED:

- Facility Masterplanning
- Architectural Design
- Construction Administration

### CONTACT;

Michael D. Adleman, D.O.

Acting President

President's Office

B205A, B Building

Phone: 304-647-6200

Fax: 304-645-4859

[madelman@osteo.wvsom.edu](mailto:madelman@osteo.wvsom.edu)





## WEST VIRGINIA SCHOOL OF OSTEOPATHIC MEDICINE Lewisburg, WV

### CENTER FOR TECHNOLOGY AND RURAL MEDICINE

Construction Cost: \$4,000,000

Completion Date: 2006

This new 21,000 sq. ft. facility under construction contains two 200 seat tiered lecture rooms. The building is to be the centralized hub and offices for campus data and communication systems.

### ADMISSIONS CENTER

Construction Cost: \$1,300,000

Completion Date: 2005

This new 3,960 sq. ft. single-story facility houses admissions and recruiting offices. The Admission Center's location falls within the city of Lewisburg's Historical District so the building's shape and character adapt to the historical flavor of the area.

### LABORATORY FACILITY

Construction Cost: \$3,000,000 + \$1,700,000

Completion Date: 1992, 2005

This two story laboratory building houses gross anatomy, morgue, animal quarters and research laboratories for the medical school. The project was completed on schedule and for the exact estimated cost originally established for this facility at its schematic conception. A \$1,700,000 addition to this facility has been completed.

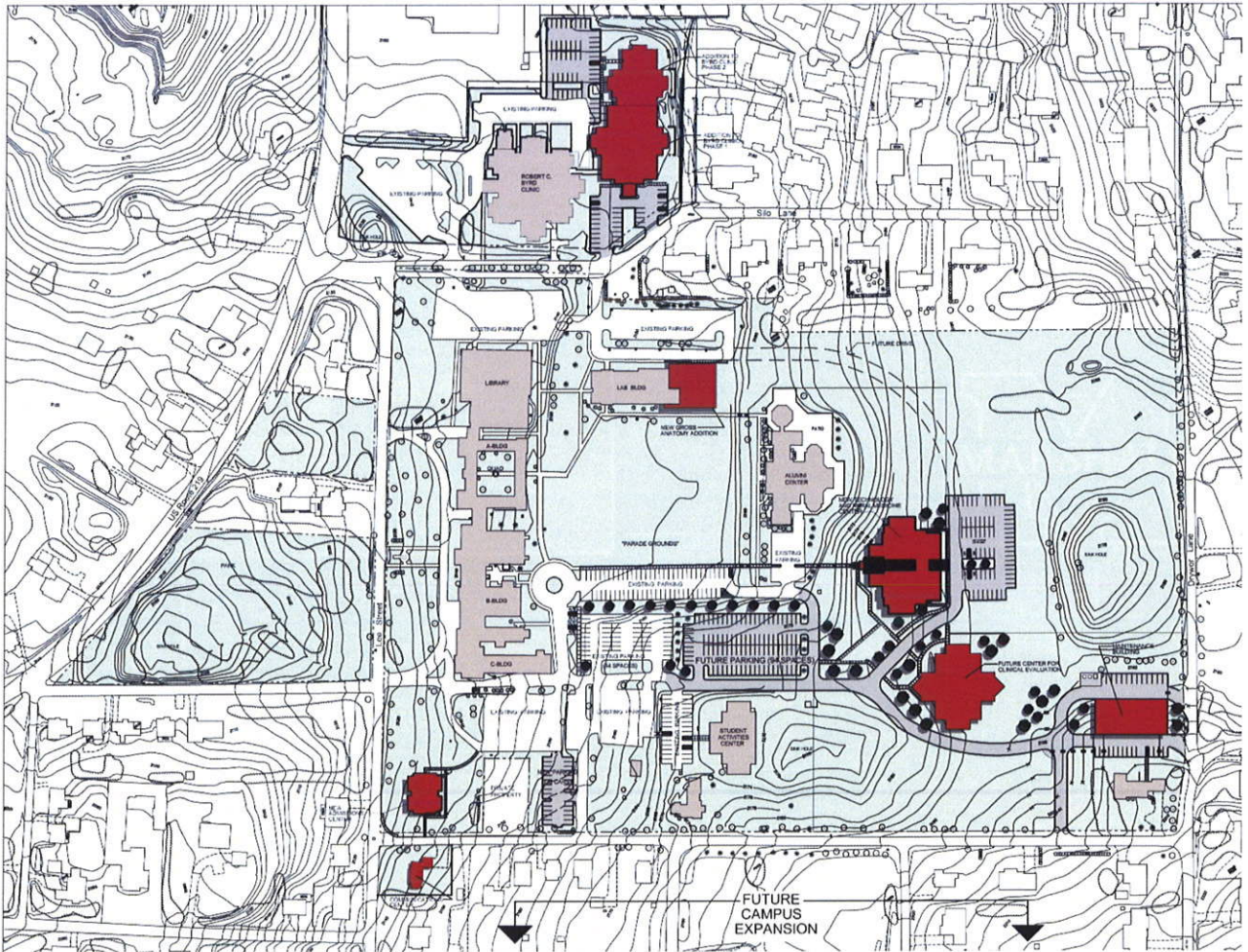
### MULTI-SPECIALTY CLINIC

Construction Cost: \$9,000,000 (Combined)

Completion Date: 1997, 2002 and 2004

Construction was completed in 1997 for a new, single story, 27,000 sq. ft., multi-specialty clinic on the WVSOM Campus. The design and functional flow of the facility has received complimentary statements from the users and the public. The American Institute of Architects/West Virginia awarded this Project its highest design award in November 1997. In 2002, a 1,170 sq. ft.. Addition of eight pediatric examination rooms was completed. Construction has been completed on Phase 1 of the 25,000 sq. ft. one-story East Addition to the Clinic with the primary function as a geriatric assessment center. Phase 2 construction is complete.





## WEST VIRGINIA SCHOOL OF OSTEOPATHIC MEDICINE Lewisburg, WV

### MEDICAL LIBRARY AND OP&P LAB

Construction Cost: \$2,200,000

Completion Date: 1999

An addition and renovation containing 22,000 sq. ft. has been completed on this campus and is the fifth major project for which we have provided services to WVSOM.

### ROLAND P. SHARP ALUMNI CENTER RENOVATION

Construction Cost: \$1,200,000

Completion Date: 2001

A 6,000 sq. ft. addition and 2,000 sq. ft. renovation of the dining and kitchen area to the existing one-story Alumni Center.

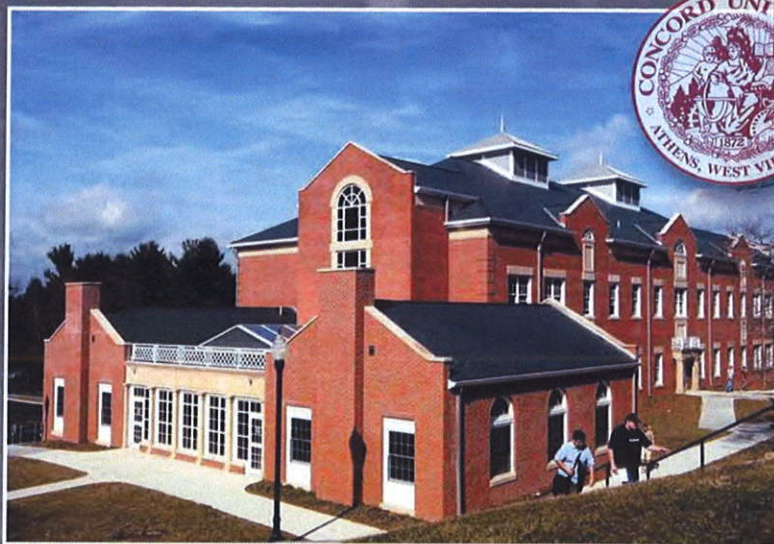
### STUDENT ACTIVITIES CENTER

Construction Cost: \$2,300,000 (combined)

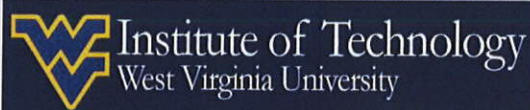
Completion Date: 2003, 2009

Kreps and Zachwieja provided a new 9,800 sq. ft. new gymnasium and other renovations to the original 9,800 sq. ft. one-story building housing a gymnasium, exercise room, weight room, locker/toilet rooms and related support areas that was completed in 2003. This allows for a dedicated free weight, cardio, weight machine and exercise areas as well as a new multi-purpose gymnasium center.

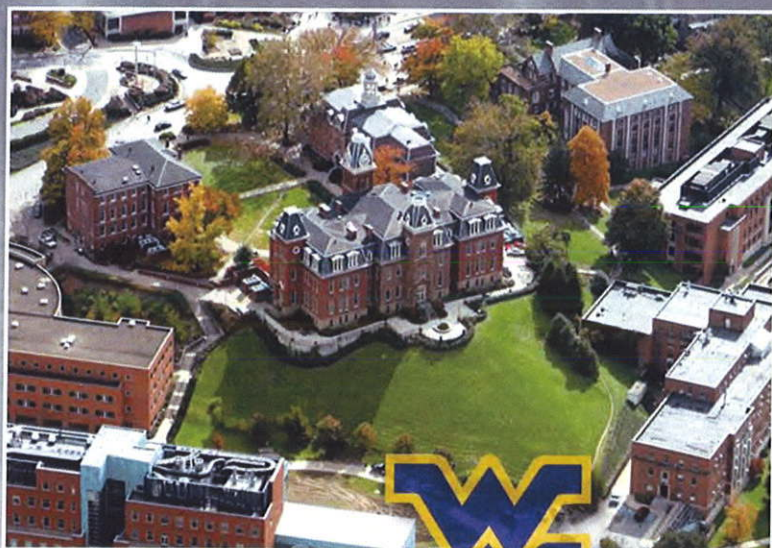




WVU Tech facilities including the Engineering classroom building.



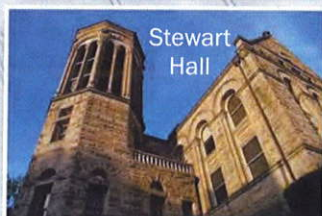
Concord University Technology Center HVAC/Electrical and Campus Medium Voltage Loop involving every building on campus — completed under budget and ahead of schedule.



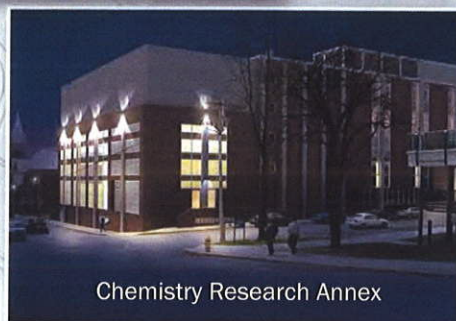
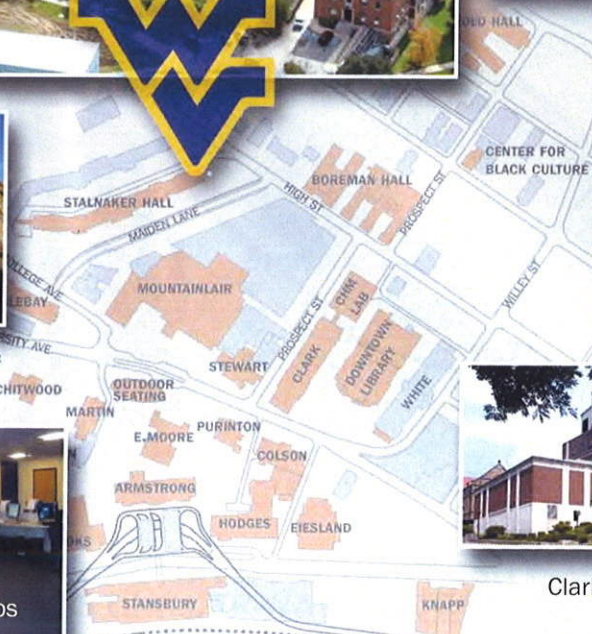
ZDS designed a system allowing West Virginia University to optimize their operation of the campus chilled water system.



WVU Mountainlair Center



Stewart Hall



Chemistry Research Annex



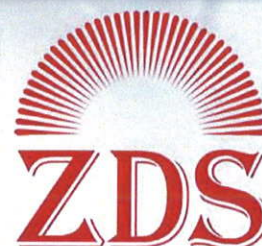
White Hall



Computer Labs



Clark Hall

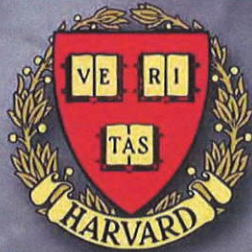


Design/Consulting Services



# Engineering for Universities

**ZDS project experience includes  
over 100 University and College Facilities.**



**OHIO**  
UNIVERSITY



**Southern**  
West Virginia  
Community and  
Technical College



UNIVERSITY OF  
CHARLESTON



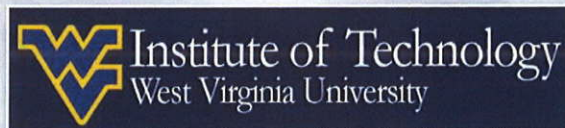
WASHINGTON  
& LEE  
UNIVERSITY



West Virginia  
University



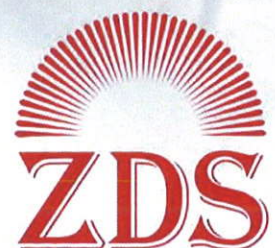
WEST VIRGINIA  
WESLEYAN COLLEGE



**"ZDS is worth the money the University paid  
for their services. It was important to have  
somebody guide us through the process."**

Sherwood Wilson, Associate VP for Facilities and Auxiliaries

Ohio University



**Design/Consulting Services**





## SCHOOL OF NURSING ST. MARY'S MEDICAL CENTER Huntington, West Virginia

When St. Mary's School of Nursing discontinued their student residence program, St. Mary's Medical Center turned to Kreps and Zachwieja to find a new and appropriate use for this structure. Through facility assessment and masterplanning efforts by Kreps and Zachwieja the owner developed a low-cost medical office program for this building. This program created 70,000 sf of office space quickly because the project scope was limited to interior renovations of the residence floors into medical office suites. Complete HVAC and electrical system upgrades have added years of life to this structure and gave the medical center much needed office space. Careful phasing of the program allowed for minimal disruption of the tenants already occupying the building in earlier phases.

CONSTRUCTION COST:  
\$4,500,000

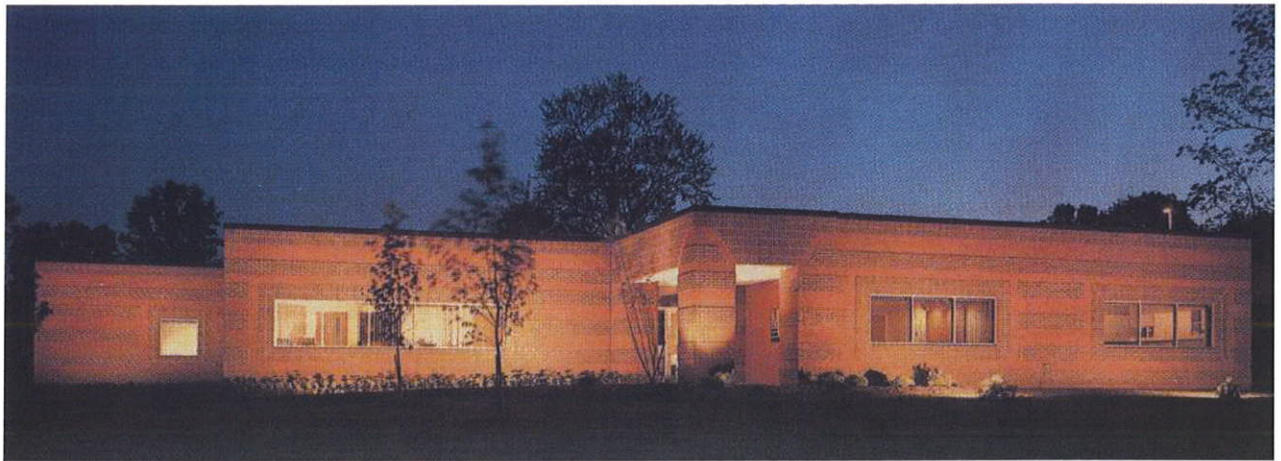
COMPLETION DATE:  
1998-2002 (all phases)

PROJECT SIZE:  
70,000 SF

SERVICES PROVIDED:  
Facility Masterplanning  
Architectural Design  
Construction Administration

CONTACT;  
Timothy M. Parnell  
VP of Facilities and Support  
Services  
St Mary's Medical Center  
2900 First Avenue  
Huntington, WV 25702  
304.526.1691





OFFICE BUILDING  
SCHEESER BUCKLEY MAYFIELD  
Akron, OH

CONSTRUCTION COST:  
\$960,000

COMPLETION DATE:  
1990

PROJECT SIZE:  
13,320 SF

SERVICES PROVIDED:  
Architectural Design



# NATIONALLY RECOGNIZED FOR ENGINEERING EXCELLENCE

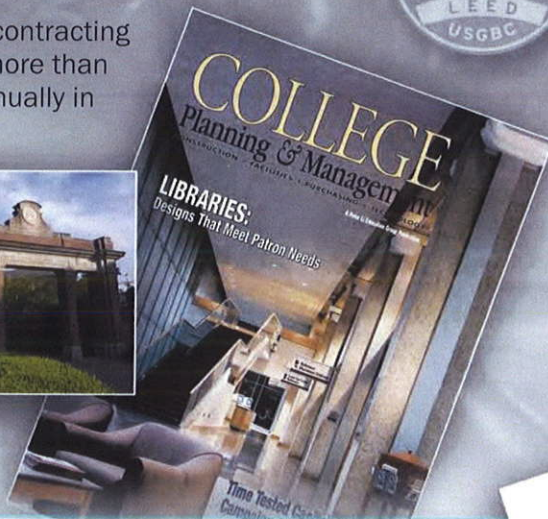


## Energy Management Engineering



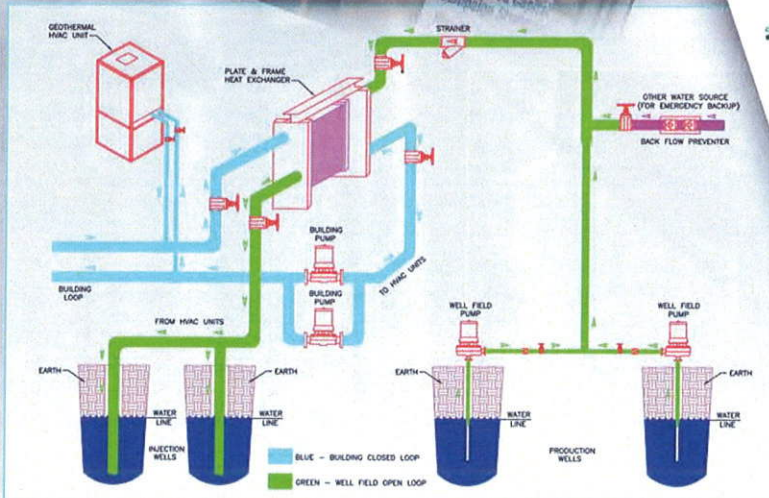
### Ohio University—Athens

A performance contracting project saving more than \$2,500,000 annually in energy costs.

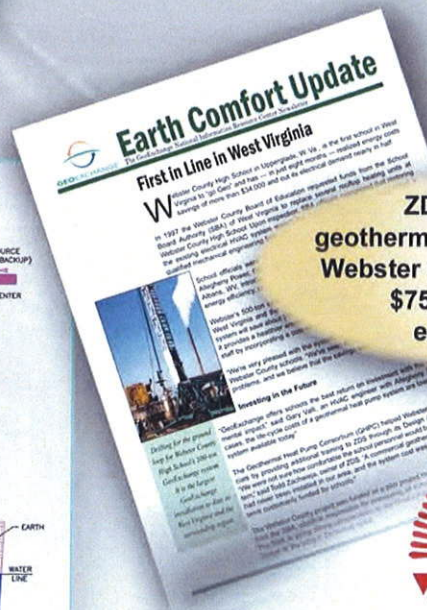


### ZDS offers these and other energy management services:

- Compliance with LEED
- Utility Monitoring & Forecasting
- Energy Audits
- Performance Contracting Management
- Utility Savings Verification
- Utility & Government Funding
- Staff Training



Geothermal Open Loop System Designed by ZDS



**ZDS designed a geothermal system that saves Webster County High School \$75,000 in annual energy costs.**



Design/Consulting Services



## CLIENT REFERENCES

Kreps and Zachwieja:

Howard Harrison  
Director of Facilities and Support Services  
King's Daughters Medical Center  
2201 Lexington Avenue  
Ashland, KY 41101  
606.327.4618  
Howard.harrison@kdmc.net

Timothy M. Parnell  
Vice President of Facilities and Support Services  
St. Mary's Medical Center  
2900 First Avenue  
Huntington, WV 25702  
304.526.1691  
tparnell@st-marys.org

Stephen P. Dexter, CEO  
Thomas Memorial Hospital  
4605 MacCorckle, SW  
South Charleston, WV 25309  
304.766.3684  
steve.dexter@thomaswv.org

Debbie Hill, CEO  
Summersville Regional Medical Center  
400 Fairview Heights Road  
Summersville, WV 26651  
304.872.8402  
dhill@smh.org

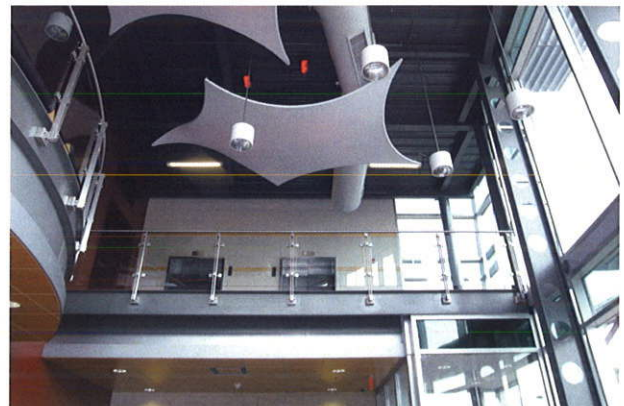
Ron May  
Marshall University  
One John Marshall Drive  
Huntington, WV 25755  
800.642.3463

Jim Boyd  
Construction Manager  
Veterans Affairs Medical Center  
Engineering Building #2  
200 Veterans Avenue  
Beckley, WV 25801  
304.255.2121

Charlene Farrell  
President and CEO  
Huntington Hospice  
P.O. Box 464  
Huntington, WV  
304.529.4217

Stephen H. Blaydes, M.D.  
Blaydes Eye Clinic  
500 North Street  
Bluefield, WV 24701  
304.327.8182

George G. Couch, CEO  
Ohio Valley Medical Center  
2000 Eoff Street  
Wheeling, WV 26003  
304.234.0123



## CLIENT REFERENCES

Kevin Cushing, Firm Administrator  
Pullman, Fowler & Flannigan  
Charleston, WV  
304.344.0100  
kcushing@pffwv.com

ZDS:

We pride ourselves as being viewed as an extension to our client's staff and successfully incorporating pertinent information about their facility into any proposed solution. We have extensive renovation experience including phasing construction. Please call our references and ask how well we worked with their staff, about our technical strengths and our ability to work with contractors to provide the Owner with a quality project. ZDS references that we would encourage you to call, and which relate to this type of Project include:

Mr. Greg Nicholson, Chief Executive Officer  
WVDHHR  
304. 558.3217

Mr. Mark Lynch, Dir. of Facility Operations  
WV Div. of Culture & History  
304.558.0220, ext 160

Mr. Tony Crislip, Manager  
Physical Plant  
Marshall University  
304. 696.6241

Dr. Mark Manchin, Executive Director  
School Building Authority  
304. 558.2541

Mr. Mike Pickens, Executive Director  
Office of School Facilities  
304.558.2711, has knowledge with ZDS's work for over ten years.

Ms. Jerie Whitehead, Purchasing Director  
Kanawha County Commission  
304. 357.0115

Mr. Racine Thompson, Assistant Superintendent  
Raleigh Co Schools  
304.256.4500, ext 3326, has worked with ZDS for over 15 years.