

December 16, 2010

Frank Whittaker
Department of Administration
Purchasing Division
2019 Washington Street East
Post Office Box 50130
Charleston, WV 25305-0130

Re: Request for Qualifications # PTR11023

Dear Mr. Whittaker:

Kreps and Zachwieja Architects is honored to present the experience and credentials of our team as an Expression of Interest to perform architectural and engineering services for construction of a pre-engineered metal and brick administrative and maintenance facility. Having a full understanding of the elements associated with the desired method of project delivery, we have assembled a team of specialized consultants to fully address each area of need outlined in your request for Engineering Qualifications.

Planning in the 21st century is about understanding the client's current situation, their goals and the best options to marry operational and delivery goals with an appropriate facilities response. The drive for more efficient operations, staff and broadband technology related issues, along with escalating construction and maintenance costs are just a few of the long list of items that face a design team when approaching a project like this.

Kreps & Zachwieja Architects is a Charleston, WV based consulting and design firm that has been focused exclusively on providing quality design services and project leadership for complex buildings throughout the WV region since 1945. We have had the honor to provide design services for several clients including the State of West Virginia, and several County Commissions.

Where appropriate, Kreps & Zachwieja Architects associates with other consulting firms to bring the best expertise available to address our client's needs. Your project affords us the opportunity to team with ZDS based in St. Albans, WV. We chose ZDS for their experience in engineering/design planning. You will see the extent of their knowledge and more importantly, their experience working in this region.

RECEIVED

2010 DEC 16 P 12:36

PURCHASING DIVISION
STATE OF WV

PHONE 304.346.5361
FAX 304.346.5365



As you review our proposal, you will see that our team also includes Steven Schaefer Associates of Cincinnati, OH. They have provided structural engineering services to our firm for more than 10 years. Triad Engineering Services, another WV based firm has a long history of providing high quality comprehensive site, civil and environmental services throughout the state.

Individually and collectively, our team believes that our success is derived from the idea that we are not just constructing buildings; we are building relationships. We each enjoy several long-lasting relationships with our clients, some for more the 50 years. Our commitment to West Virginia Department of Natural Resources is very real and important to us. Our goal is to build a relationship with you and deliver a successful project in Philippi that exceeds your goals and objectives. Our team has the experience, knowledge and tools to achieve that goal and we look forward to presenting our unique credentials in greater detail.

Sincerely,

Mark T. Zachwieja, AIA
President
Kreps & Zachwieja Architects



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
PTR11023

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
**FRANK WHITTAKER
 304-558-2316**

RFQ COPY

TYPE NAME/ADDRESS HERE

Kreps & Zachwieja Architects
 300 Capitol Street, Suite 1710
 Charleston, WV 25301

RFQ COPY

**DIVISION OF PUBLIC TRANSIT
 BUILDING 5, ROOM 906
 1900 KANAWHA BOULEVARD, EAST
 CHARLESTON, WV
 25305-0432 304-558-0428**

| | | | | |
|-------------------------------------|---------------|---------------------------------|-----|---------------|
| DATE PRINTED 10/25/2010 | TERMS OF SALE | SHIP VIA | FOB | FREIGHT TERMS |
| BID OPENING DATE: 12/16/2010 | | BID OPENING TIME 01:30PM | | |

| LINE | QUANTITY | UOP | CAT NO | ITEM NUMBER | UNIT PRICE | AMOUNT |
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| 0001 | 1 | JB | | 906-00-00-001 | | |
| ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL THE WEST VIRGINIA PURCHASING DIVISION, FOR THE AGENCY, THE WEST VIRGINIA DIVISION OF PUBLIC TRANSIT IS SOLICITING EXPRESSIONS OF INTEREST FOR ARCHITECTURAL & ENGINEERING SERVICES FOR THE CONSTRUCTION OF A PRE-ENGINEERED METAL AND BRICK ADMINISTRATIVE AND MAINTENANCE FACILITY PER THE ATTACHED. ALL TECHNICAL QUESTIONS MUST BE SUBMITTED IN WRITING TO FRANK WHITTAKER IN THE WV PURCHASING DIVISION VIA EMAIL AT FRANK.M.WHITTAKER@WV.GOV OR VIA FAX AT 304-558-4115. DEADLINE FOR ALL TECHNICAL QUESTIONS IS 11/30/2010 AT 4:00 PM. ALL TECHNICAL QUESTIONS WILL BE ADDRESSED BY ADDENDUM AFTER THE DEADLINE. EXHIBIT 10 REQUISITION NO.: PTR11023 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 | | | | | | |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE TELEPHONE 304 346-5361 DATE **12/10/10**

TITLE President FEIN 31-1126048 ADDRESS CHANGES TO BE NOTED ABOVE

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

GENERAL TERMS & CONDITIONS
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
4. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods this Purchase Order/Contract becomes void and of no effect after June 30.
5. Payment may only be made after the delivery and acceptance of goods or services.
6. Interest may be paid for late payment in accordance with the *West Virginia Code*.
7. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
8. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
9. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
10. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern the purchasing process.
11. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
12. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, the State may deem this contract null and void, and terminate such contract without further order.
13. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, is available online at www.state.wv.us/admin/purchase/vro/hipaa.htm and is hereby made part of the agreement. Provided that the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
14. **CONFIDENTIALITY:** The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures, and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.
15. **LICENSING:** Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, and the West Virginia Insurance Commission. The vendor must provide all necessary releases to obtain information to enable the director or spending unit to verify that the vendor is licensed and in good standing with the above entities.
16. **ANTITRUST:** In submitting a bid to any agency for the State of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the State of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the State of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the State of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership, or person or entity submitting a bid for the same material, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division. Complete all sections of the quotation form.
2. Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Unit prices shall prevail in case of discrepancy. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
4. All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130
5. Communication during the solicitation, bid, evaluation or award periods, except through the Purchasing Division, is strictly prohibited (W.Va. C.S.R. §148-1-6.6).



State of West Virginia
 Department of Administration
 Purchasing Division
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VENDOR

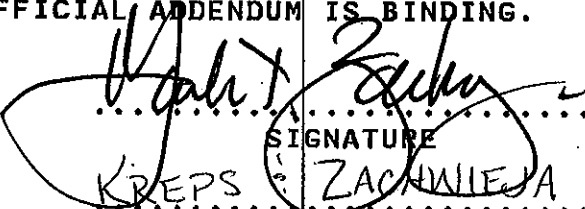
Kreps & Zachwieja Architects
300 Capitol Street, Suite 1710
Charleston, WV 25301

SHIP TO

DIVISION OF PUBLIC TRANSIT
BUILDING 5, ROOM 906
1900 KANAWHA BOULEVARD, EAST
CHARLESTON, WV
25305-0432 304-558-0428

| DATE PRINTED | TERMS OF SALE | SHIP VIA | F.O.B. | FREIGHT TERMS |
|--------------|---------------|----------|--------|---------------|
| 10/25/2010 | | | | |

BID OPENING DATE: **12/16/2010** BID OPENING TIME **01:30PM**

| LINE | QUANTITY | UOP | CAT NO. | ITEM NUMBER | UNIT PRICE | AMOUNT |
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| | NO. 2 | | | | | |
| | NO. 3 | | | | | |
| | NO. 4 | | | | | |
| | NO. 5 | | | | | |
| <p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.</p> <p>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 INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.</p> <p style="text-align: center;">  SIGNATURE KREPS & ZACHWIEJA ARCHITECTS COMPANY 12/10/10 DATE </p> <p>NOTE: THIS ADDENDUM ACKNOWLEDGEMENT SHOULD BE SUBMITTED WITH THE BID.</p> <p>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</p> | | | | | | |

| | | | |
|--|------------------------|---|------------------------|
| SIGNATURE  | | SEE REVERSE SIDE FOR TERMS AND CONDITIONS | |
| TITLE President | FEIN 31-1126048 | TELEPHONE 304 346-5361 | DATE 12/16/2010 |

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



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| <p>WITHOUT FURTHER ORDER.</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: 44</p> <p>RFQ. NO.: PTR11023</p> <p>BID OPENING DATE: 12/16/2010</p> <p>BID OPENING TIME: 1:30 PM</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:</p> <p>----- 304 346-5365 -----</p> | | | | | | |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: *Frank Whittaker* TELEPHONE: 304 346-5361 DATE: 12/16/2010

TITLE: President FEIN: 31-1126048 ADDRESS CHANGES TO BE NOTED ABOVE

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|--|----------|-----|--------|-------------|------------|--------|
| CONTACT PERSON (PLEASE PRINT CLEARLY): ----- MARK T. ZACHWIEJA ----- | | | | | | |
| ***** THIS IS THE END OF RFQ PTR11023 ***** TOTAL: _____ | | | | | | |

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

| | | |
|---------------------------------------|---------------------------|-----------------------------------|
| SIGNATURE <i>Mark T. Zachwieja</i> | TELEPHONE 304 346-5361 | DATE 12/16/2010 |
| TITLE President | FEIN 31-1126048 | ADDRESS CHANGES TO BE NOTED ABOVE |

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

BID FORM #4

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

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

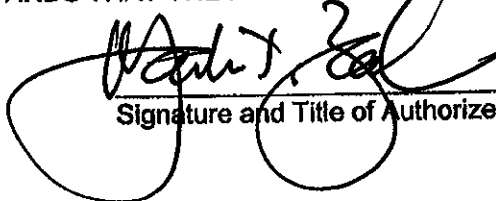
_____ (COMPANY NAME) certifies to the best of its knowledge and belief, that it and its principals:

1. Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
2. Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
3. Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (2) of this certification; and
4. Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

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

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

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

 PRESIDENT
Signature and Title of Authorized Official

BF#6

RFQ No. PTR 11023

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: [Signature] Date: 12/10/10

State of West Virginia

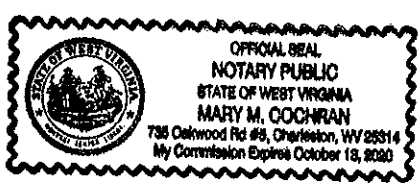
County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 10 day of DECEMBER, 2010.

My Commission expires October 13, 2020

AFFIX SEAL HERE

NOTARY PUBLIC Mary M Cochran



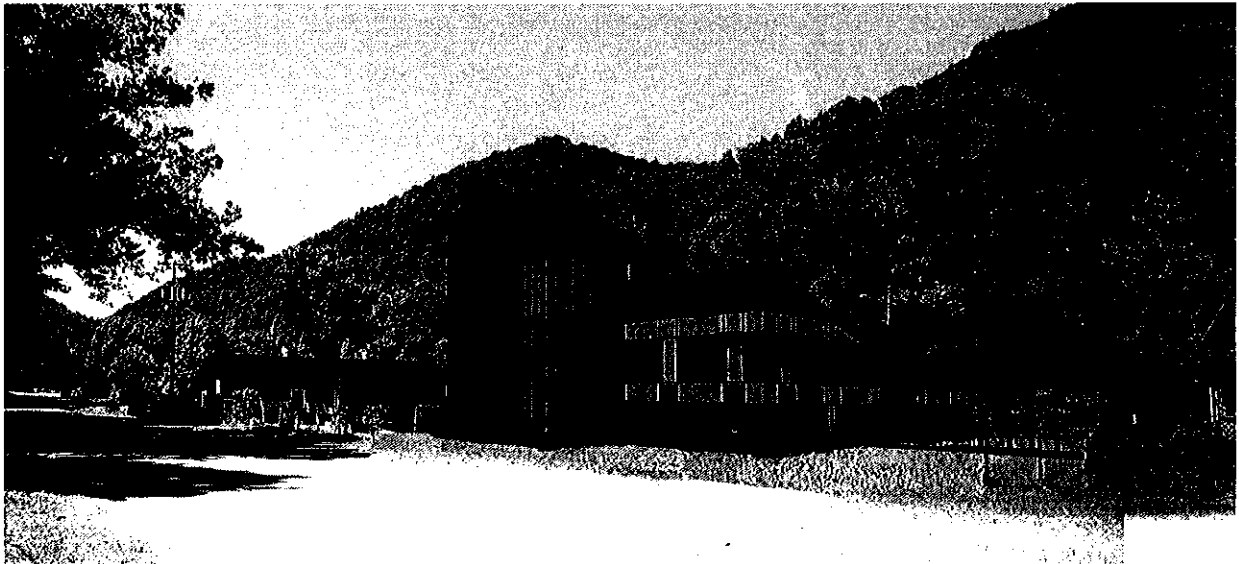
CONCEPT

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.

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.
- Have no cookie-cutter solutions.
- Create Sensory-Rich environments that consider emerging technologies that will impact our planning.
- Think outside the box.
- Innovate.
- Implement results of exploration into practical designs.
- 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 West Virginia Department of Natural Resources money.



PROCESS: A PLANNED APPROACH

CONSENSUS BUILDING

Consensus Building is key to any successful complex project involving multiple groups. All parties need to feel that their interests have been addressed and, if pertinent, incorporated into the design. Colleges and Universities form the cornerstone of any community.

ABILITY TO PROVIDE SERVICES

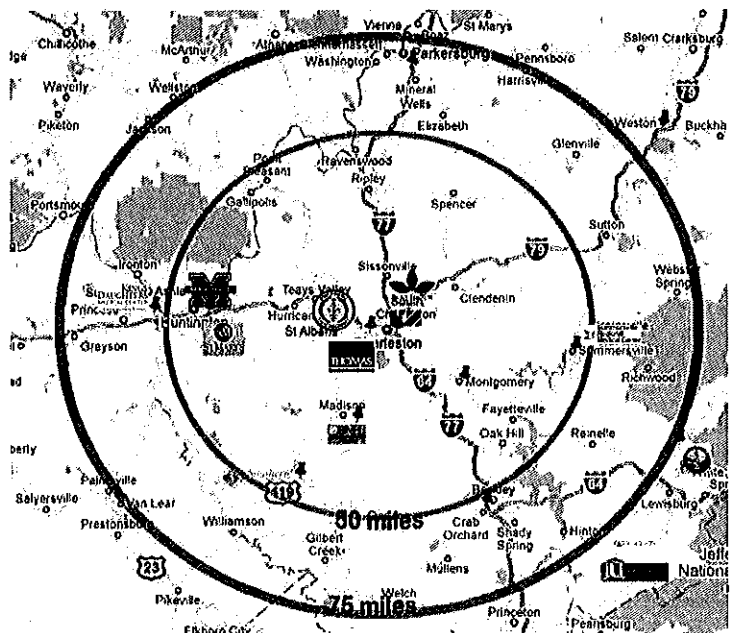
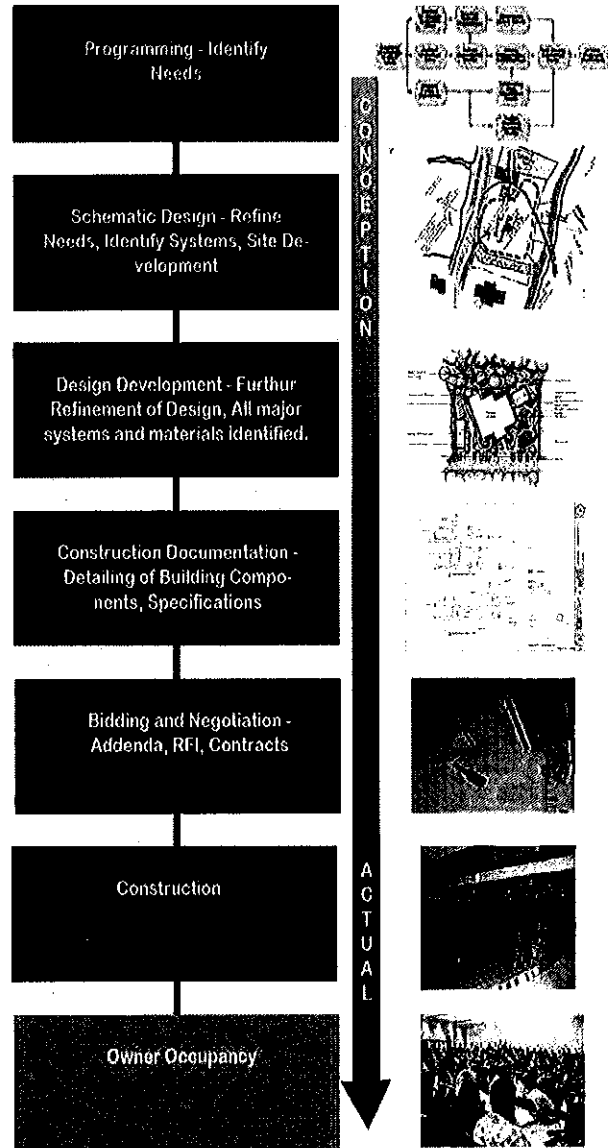
While our office is conveniently located in Charleston, West Virginia, we routinely travel to numerous clients in the tri-state area and within our region. We focus on providing quality service to Our Region, with the vast majority of our clients within a two hour drive from Charleston. Our Team is in place and ready to begin work on your project immediately. We will work with you to meet your time line for this 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 "stakeholders" in the project and build consensus on all relevant issues that will arise as the process unfolds. We understand that in order for this project to be successful, strong leadership will be required on our part to keep the stakeholders 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



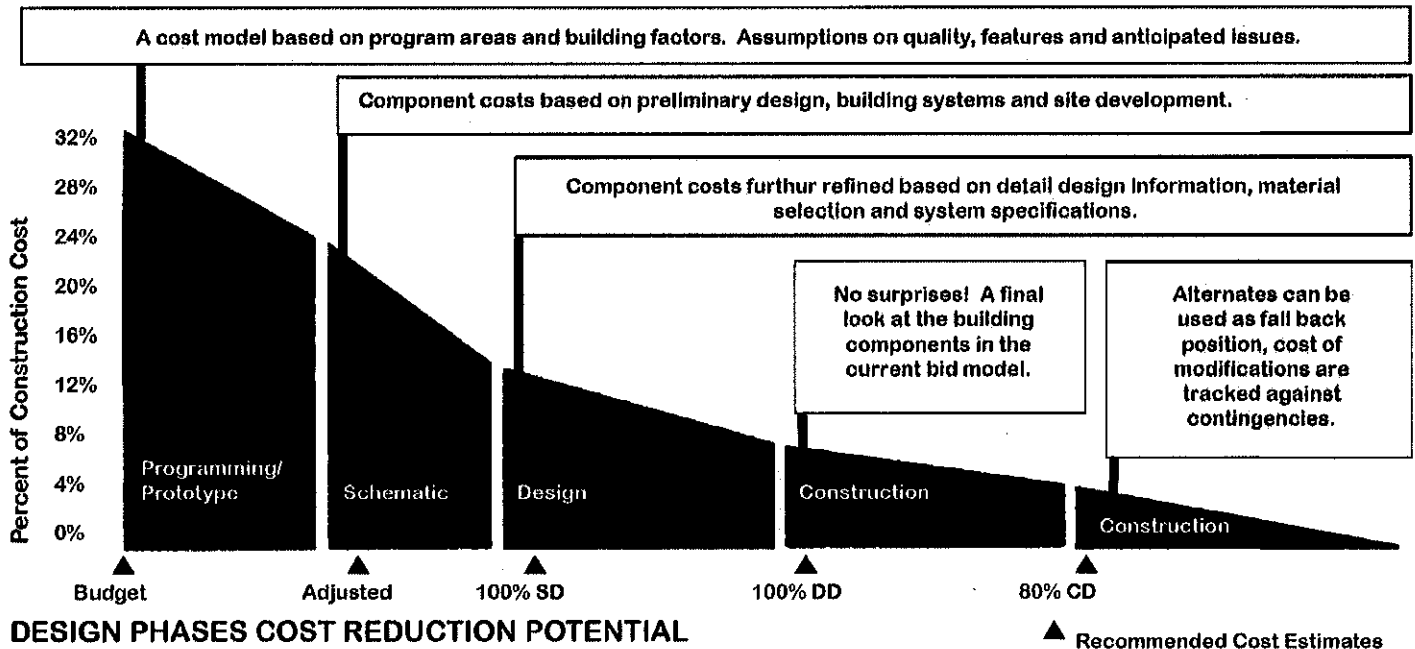
using Order of Magnitude pricing from our vast in-house database of recent local construction costs for buildings of similar types and size. At this time the team will engage in a series of "workshop" style design meetings with all the key stakeholders. The end result will be a schematic plan and conceptual 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 and architect. This dialogue will benefit you, the owner, by saving valuable time and money in the process. As you can see on the graph below, this is the time when changes can have the greatest impact on budget and schedule.

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 administration 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.

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





PERMITTING/REGULATORY APPROVALS

FEDERAL AND STATE DEPARTMENTS

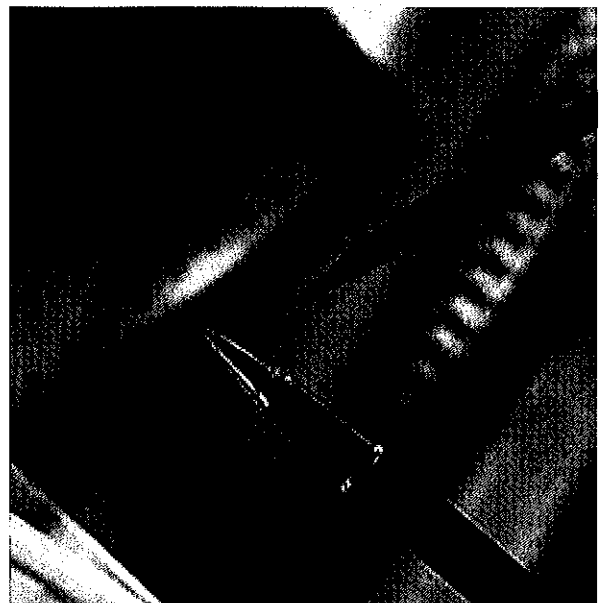
Kreps and Zachwieja works regularly with state officials on zoning and approvals in West Virginia. We strive to establish a good relationship at the earliest phases of a project. Kreps and Zachwieja considers federal, state and local agencies as part of the project team throughout the design and construction 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)

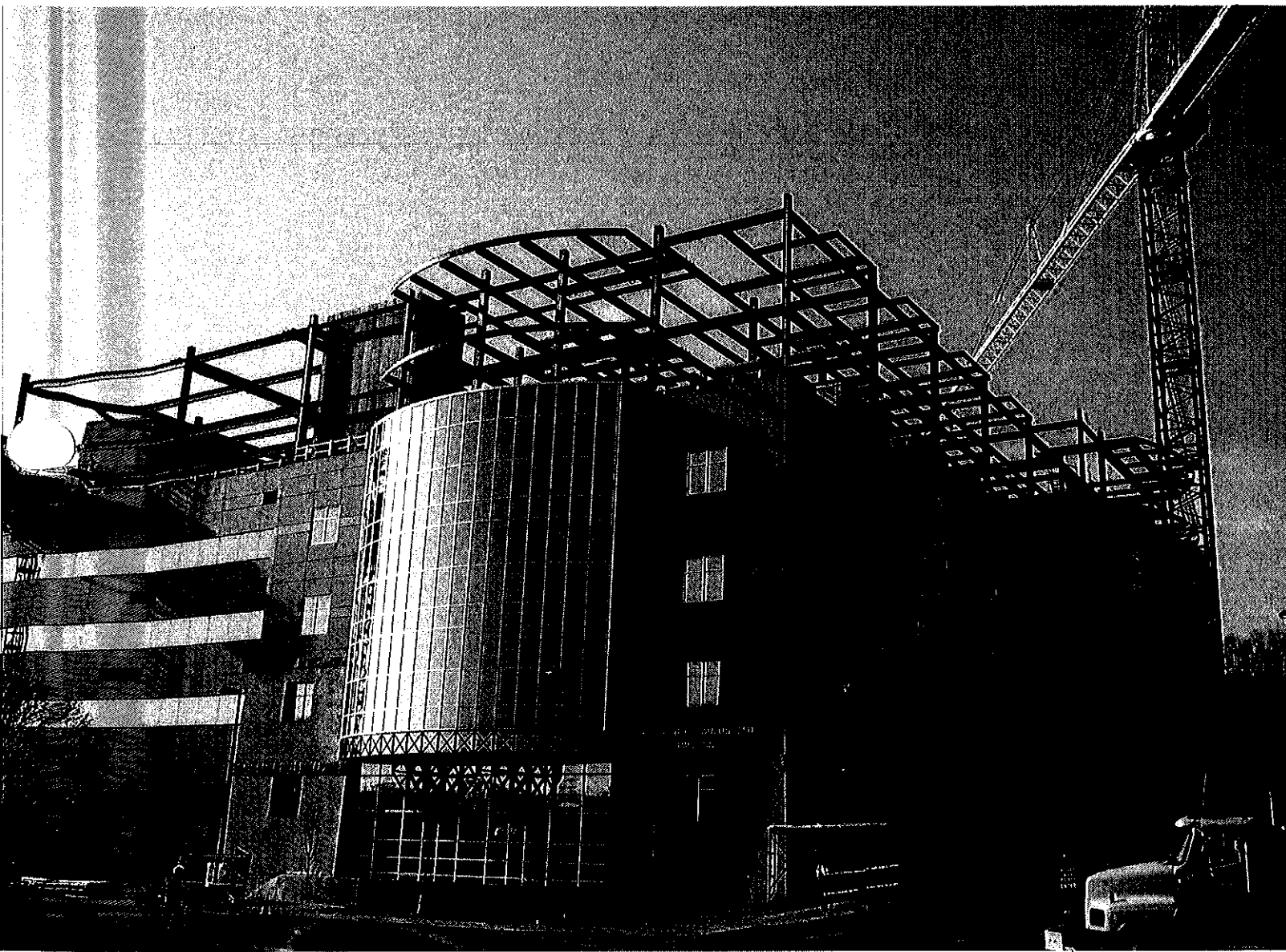
Kreps & Zachwieja's office is strategically located in Charleston, WV, providing easy access to both of these State Agencies. Of particular note, we enjoy a next door neighbor relationship with the DHHR, with whom we are in contact with on a regular basis regarding our ongoing West Virginia work. We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

ADHERENCE TO ESTABLISHED TIMELINES

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. 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.



EXPERIENCE



)



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.



c. 1960



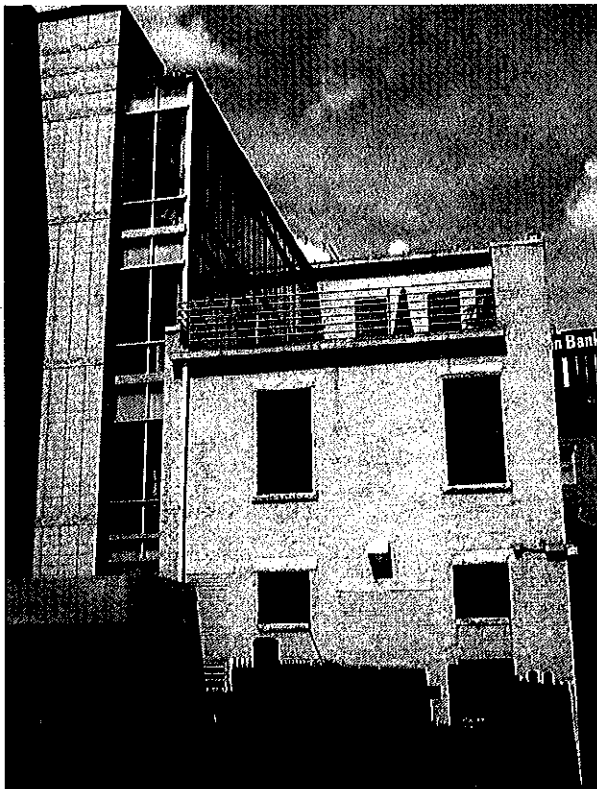
ST. MARY'S MEDICAL CENTER

Huntington, West Virginia

c. 1996



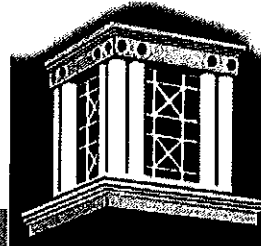
Construction Cost: \$3,500,000
 Completion Date: 2007
 Size: 33,000SF



LAW 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 due to Mark Zachwieja's expertise and experience in historic building rehabilitation and the State Historic review process, which previously contained retail and office space.

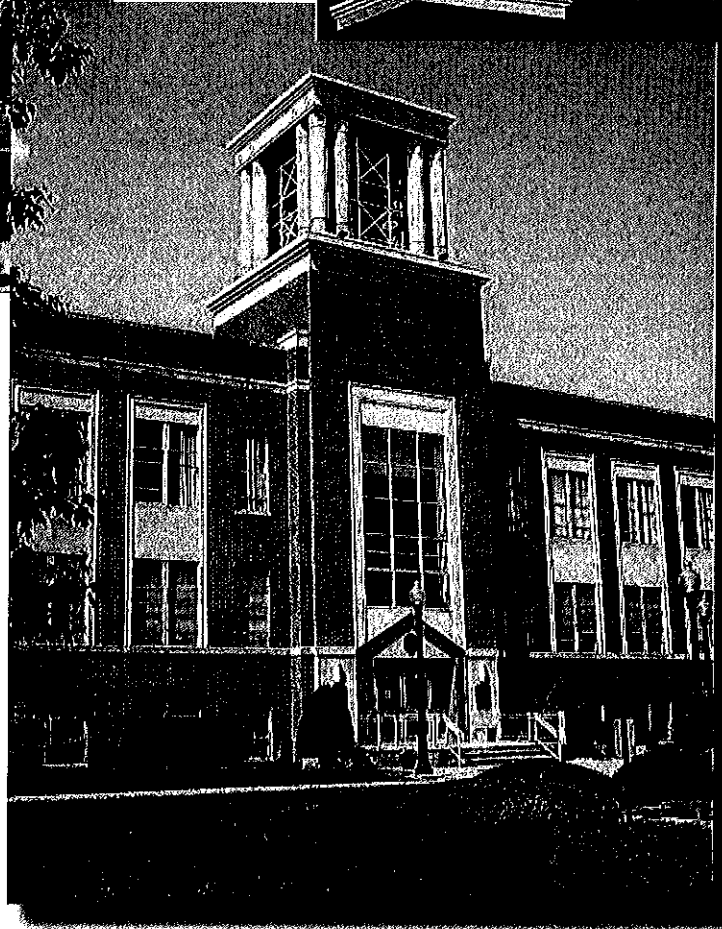
The program required a complete historic rehabilitation including historic window replacement. The owner also received Rehabilitation Investment Tax Credits (R.I.T.C.). The work was monitored by the WV State Historic Preservation Office in order to comply with the Department of the Interior Standards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



CONCORD
UNIVERSITY

Construction Cost: \$750,000

Completion Date: 1997



CONCORD UNIVERSITY
Athens, West Virginia

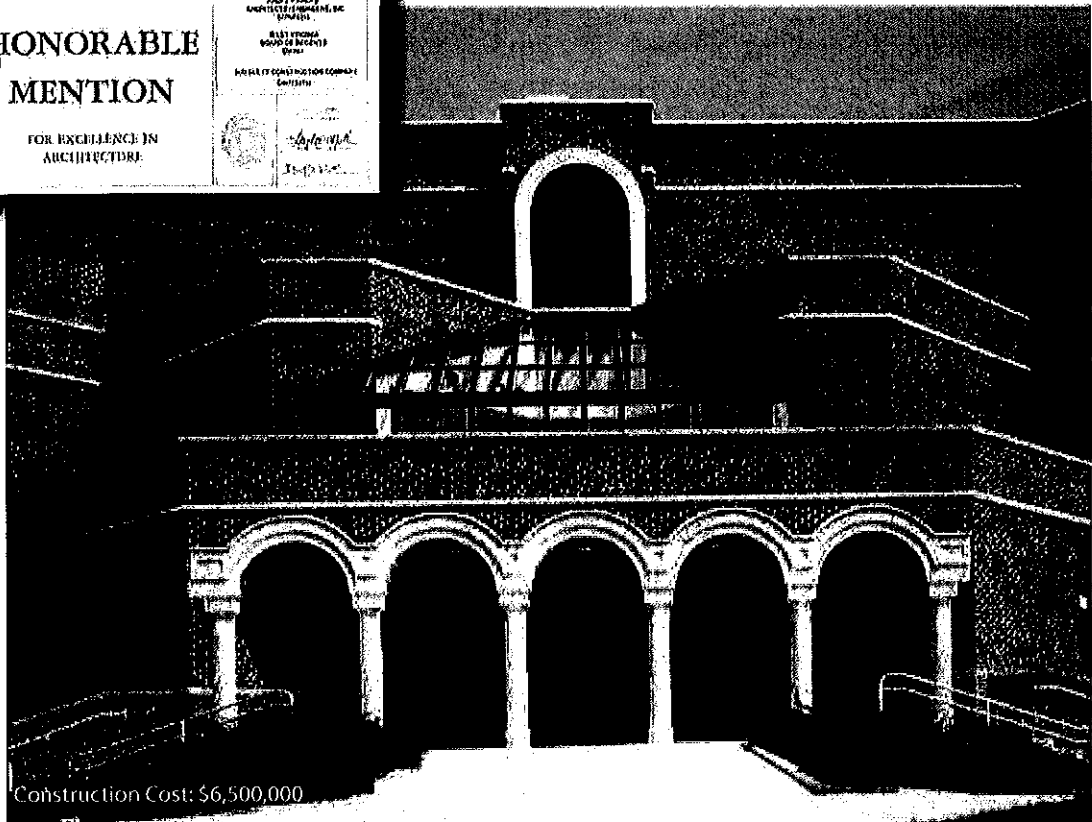
Our Team has worked successfully with Concord University on numerous projects over the past 15+ years. One of our more notable projects was the Bell Tower Addition to the Administration Building. It is the only 48 Bell Carillon in the state of West Virginia. The Carillon can be played either manually or automatically at pre-programmed times of the day. The image of this structure has become part of the University's identity, and has been incorporated into their logo.



TEAM'S EXPERIENCE

THE WEST VIRGINIA SOCIETY OF ARCHITECTS
HONORABLE MENTION
 FOR EXCELLENCE IN ARCHITECTURE

WEST VIRGINIA STATE SCIENCE LABORATORY FACILITIES
 JAMES R. KREPS ARCHITECTS & ASSOCIATES, INC. CHARLOTTE, NC
 WEST VIRGINIA BOARD OF ARCHITECTS
 HEALTH CONSTRUCTION COMMISSION



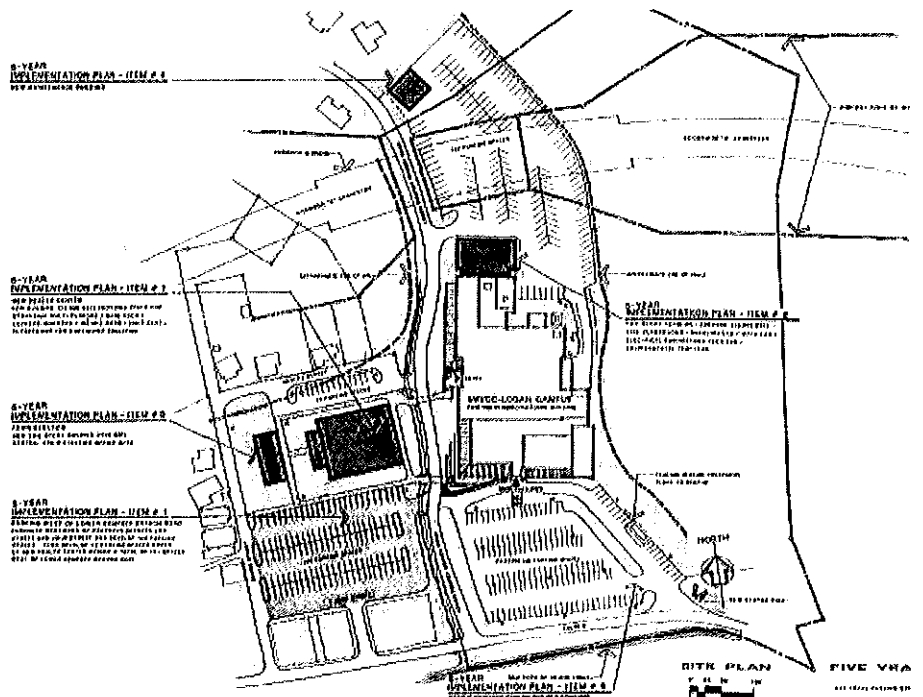
Adding to the complexity of projects is the need for the facilities to remain in-use while the construction is underway. This addition and renovation to the Science Laboratory occurred while classes were in session and all existing labs were used daily during construction.

This project was also a recipient of the "Honorable Mention Excellence in Architecture" award from the WV chapter of the AIA.

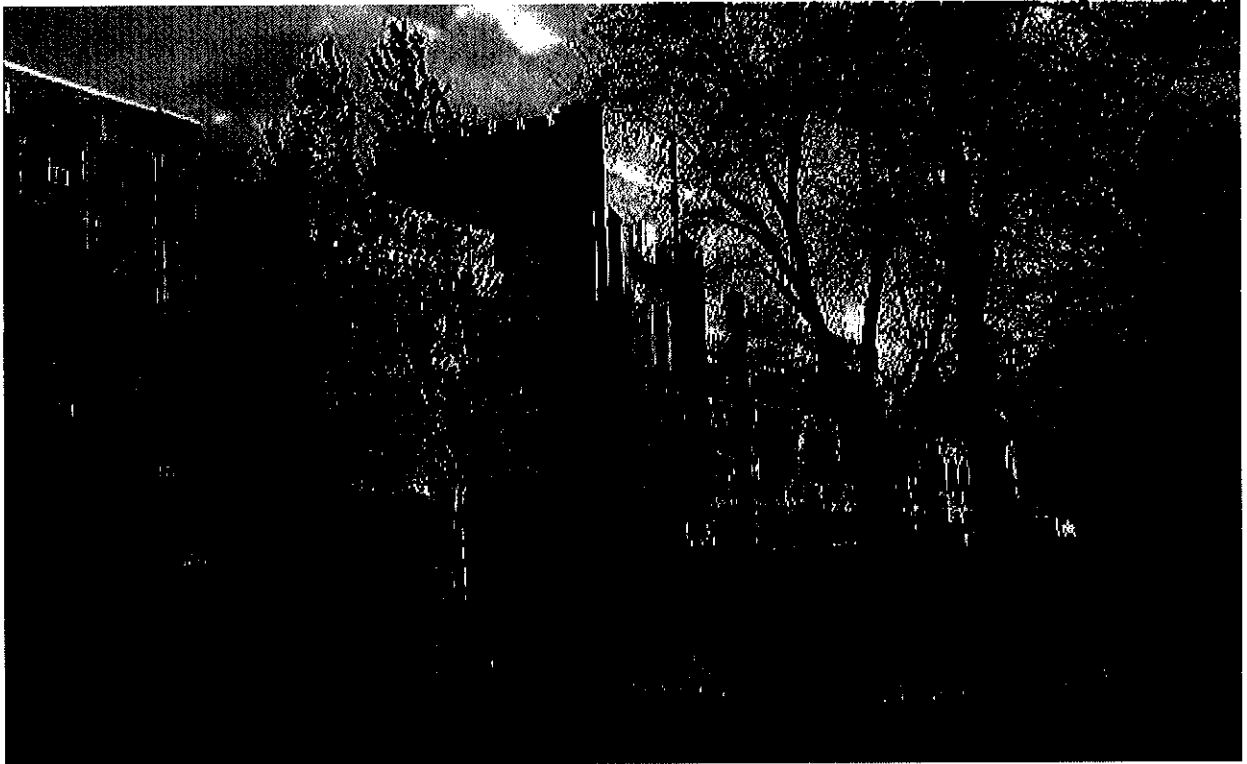
Construction Cost: \$6,500,000
 Completion Date: 1989
 Size: 29,000 SF addition, 4,500 SF renovation

WEST VIRGINIA STATE UNIVERSITY
 Institute West Virginia

Southern West Virginia Community and Technical College went through an expansion that affected several of their campuses. Masterplanning by Kreps and Zachwieja led to several building projects that are very important to their respective communities including a library and student center.



SOUTHERN WEST VIRGINIA COMMUNITY AND TECHNICAL COLLEGE
 Logan and Williamson, West Virginia



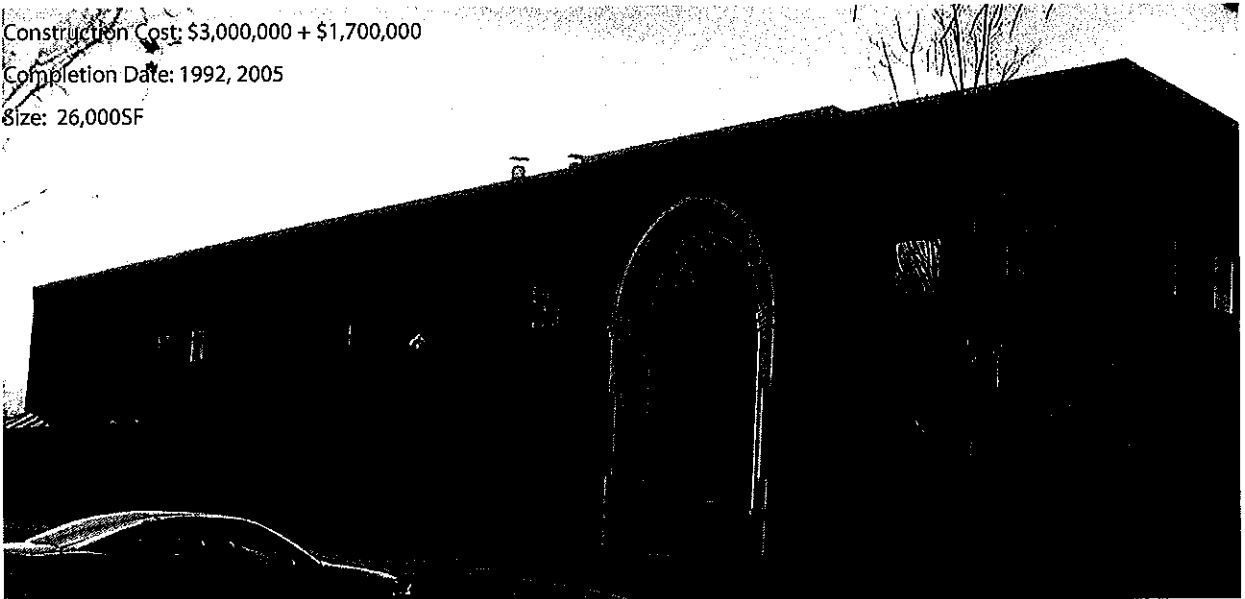
WEST VIRGINIA SCHOOL OF OSTEOPATHIC MEDICINE
Lewisburg, West Virginia

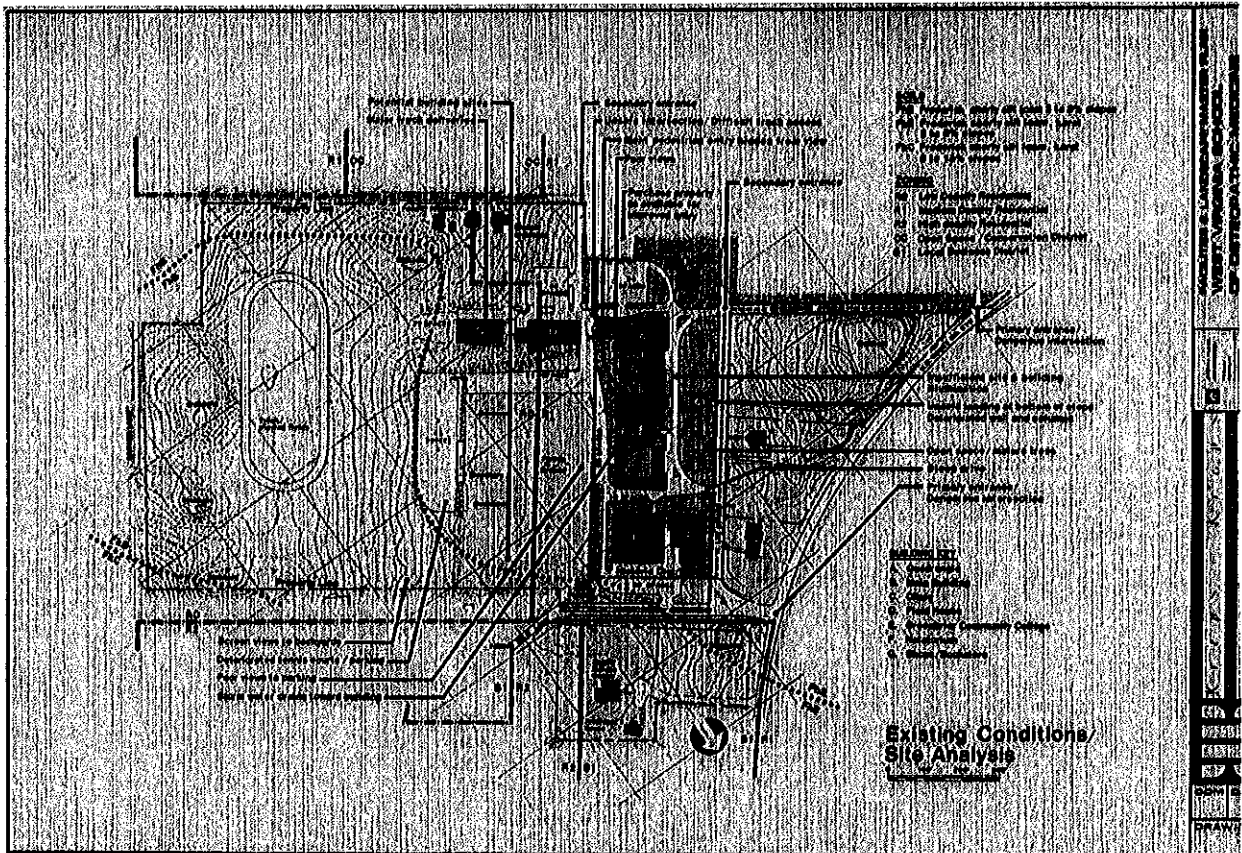
WVSOM is an institution intimately connected with its community. The site still retains the memory of its military school heritage with an on-campus museum and its sensitivity to the local vernacular design style. Pictured above is the main administration building, which has undergone numerous interior and system renovations over the past 20 years. Below is the Frederic W. Smith Lab which houses gross anatomy, morgue, animal quarters and research laboratories for the medical school. This building was expanded in 2005 to accommodate an increase in class size.

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

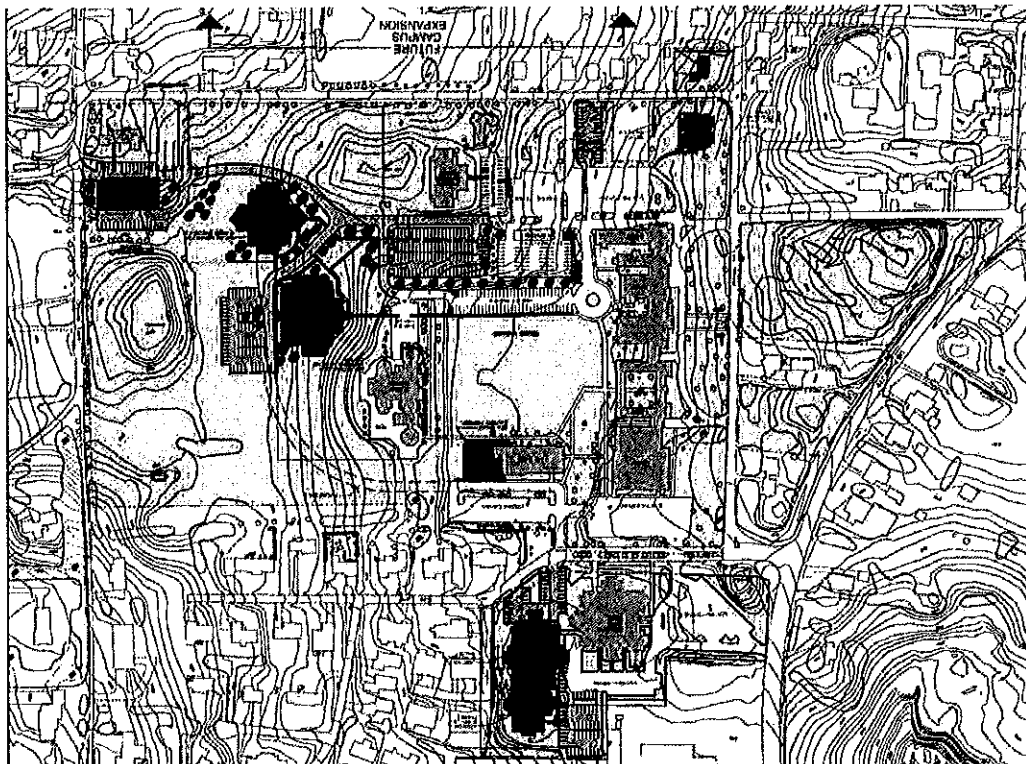
Completion Date: 1992, 2005

Size: 26,000SF

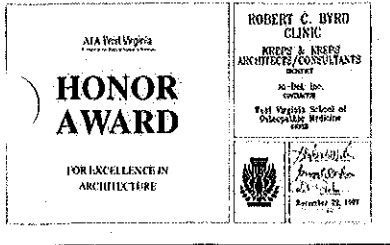
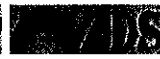




WEST VIRGINIA SCHOOL OF OSTEOPATHIC MEDICINE
Lewisburg, West Virginia



When the state legislature organized West Virginia School of Osteopathic Medicine, we were called upon to convert the historic military school site into a state of the art medical school. In a span of 20 years, we have designed 9 new buildings and renovated nearly every existing building on campus.

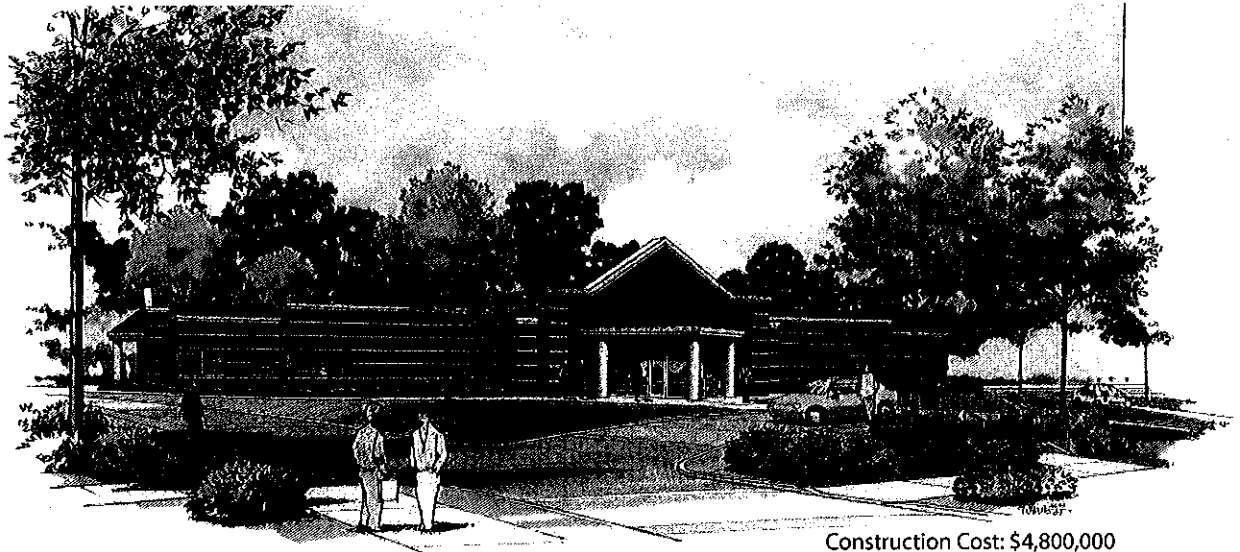


Construction Cost: \$9,000,000 (combined)

Completion Date: 1997, 2002, 2004.

Size: 53,170 SF

WEST VIRGINIA SCHOOL OF OSTEOPATHIC MEDICINE Lewisburg, West Virginia

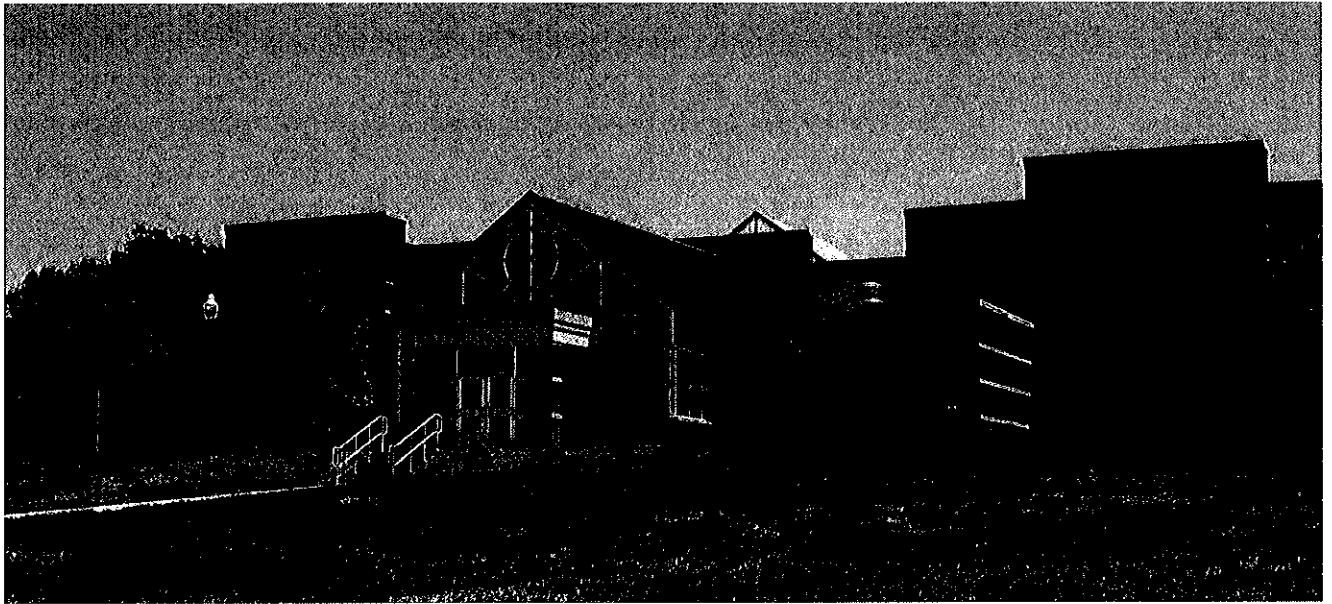


Construction Cost: \$4,800,000

Completion Date: 2009

Size: 21,400SF

The two buildings pictured above, the Robert C. Byrd Clinic and the Center for Clinical Evaluation, enable the community to receive a level of healthcare while allowing the students to gain valuable hands-on experience. The newly completed Center for Clinical Evaluation includes robotic simulation rooms in addition to space for volunteer patients for the students to diagnose.



WEST VIRGINIA SCHOOL OF OSTEOPATHIC MEDICINE
Lewisburg, West Virginia



Keeping up with the latest technology is always a challenge. WVSOM realized that they needed a new state-of-the-art facility where large scale interactive lectures could be conducted utilizing the latest technology available. This facility, the Center for Technology, houses 2-205 seat tiered lecture halls and also serves as the hub for the students, campus data and communications.

Construction Cost: \$4,000,000

Completion Date: 2006

Size: 21,000SF





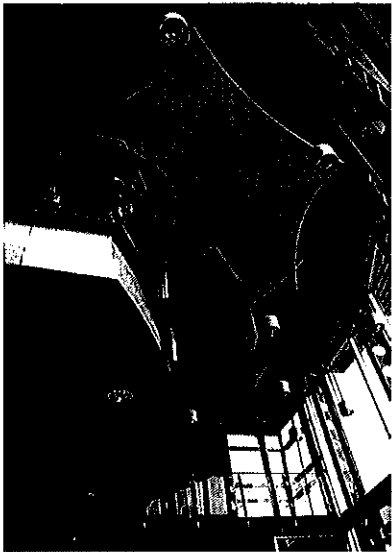
Over the last 12+ years, our team has been involved in numerous projects both on and off the King's Daughters Ashland Campus. The Heart and Vascular Center (HVC), pictured right, is a synthesis of these efforts. Since its completion in 2004, the HVC has become one of the more recognizable buildings in the region and serves as the identity of the Hospital. Currently additional floors are under construction with the remaining 3 floors (for a total of 10) scheduled to be built in the next 5 years. During construction, all existing areas of the building remain in operation along with adjacent facilities.

KING'S DAUGHTERS MEDICAL CENTER Ashland, Kentucky

Construction Cost: \$62,000,000
 Completion Date: 2006, 2010
 Size: 200,000SF

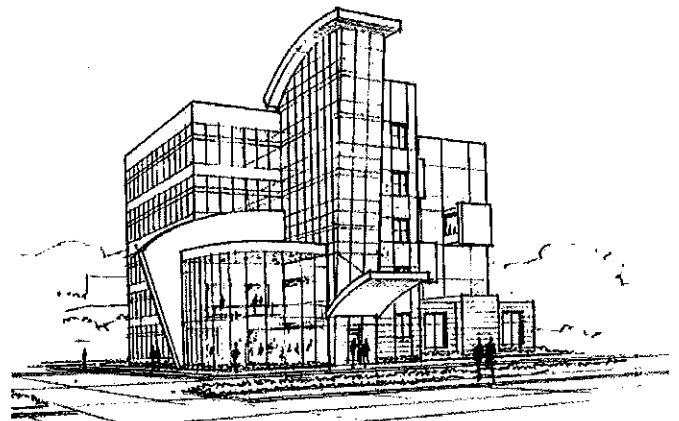
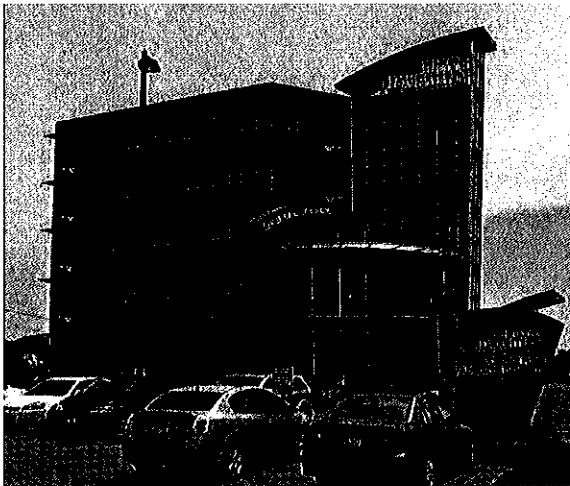


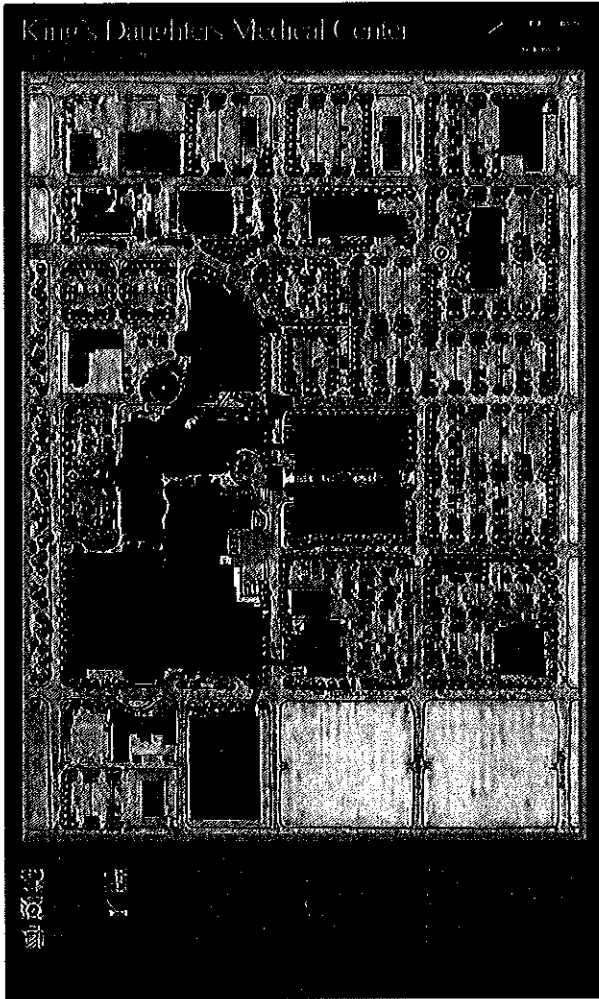
Construction Cost: \$7,000,000
 Completion Date: 2006
 Size: 220,000SF



KING'S DAUGHTERS MEDICAL CENTER Ashland, Kentucky

I want this building to look "High-Tech" but feel "High-Touch." That was the challenge behind the design of the new Center for Advanced Imaging. To achieve this unique design, the team looked at what processes were occurring inside the facility and how these could help shape the design. Transparency, slicing and peering are all functions of the modalities housed inside. Exposed structural and mechanical systems are visible as a way of peering inside the skin. Currently built to 2 stories, the images below show the future 5 story building, complete with the "pulled open" offices cantilevered on the front.

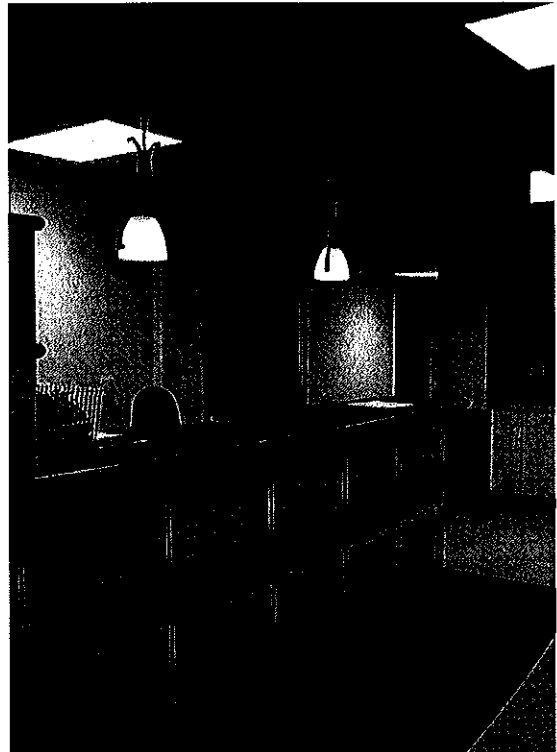
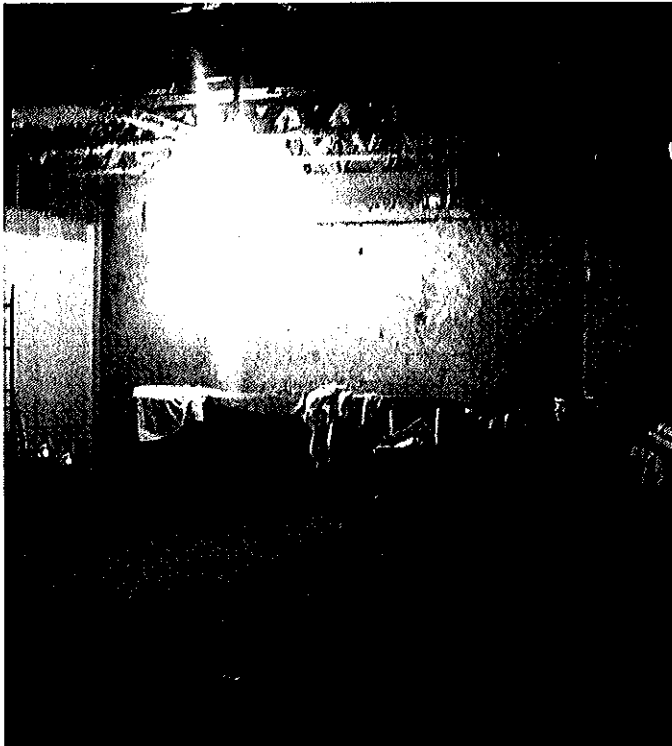


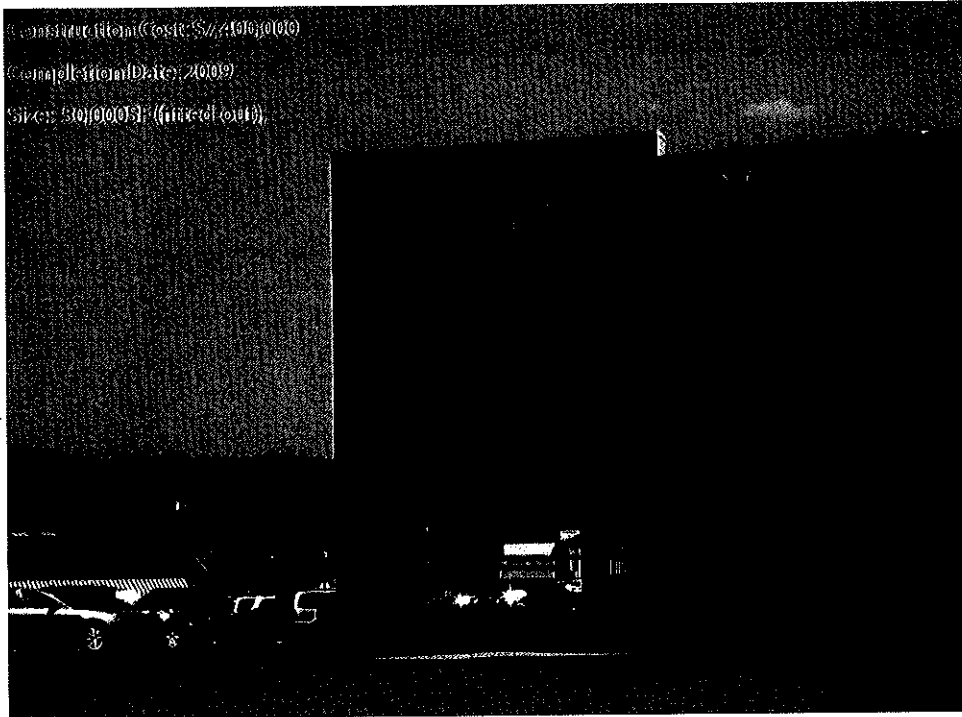


Quite frequently, Design Teams want to only design the exciting and glamorous new buildings and neglect the Owner's need to re-use and rehabilitate their existing facilities. We believe that expansion occurs both internally and externally. Developing service lines and rehabilitating facilities to that purpose comprises the largest part of our workload.



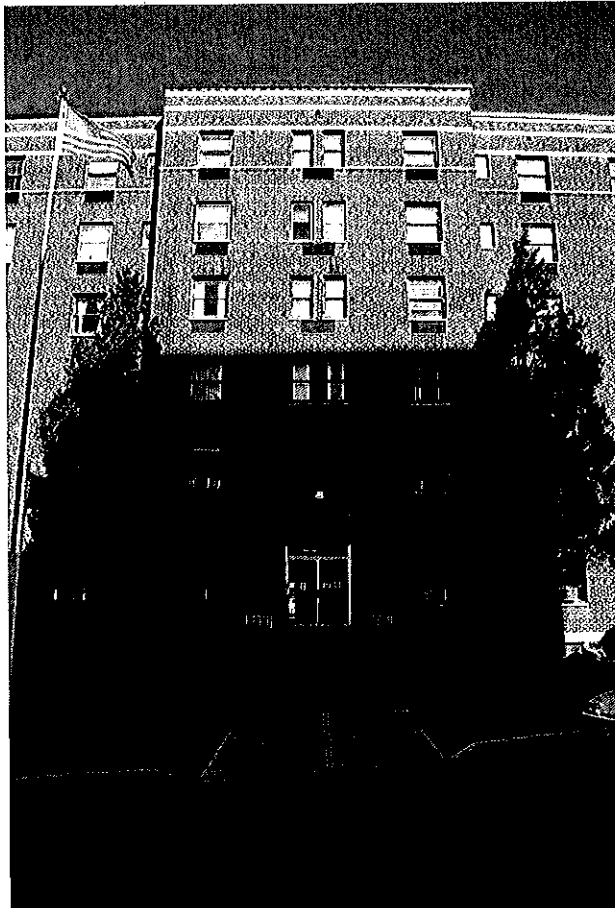
KING'S DAUGHTERS MEDICAL CENTER
Ashland, Kentucky





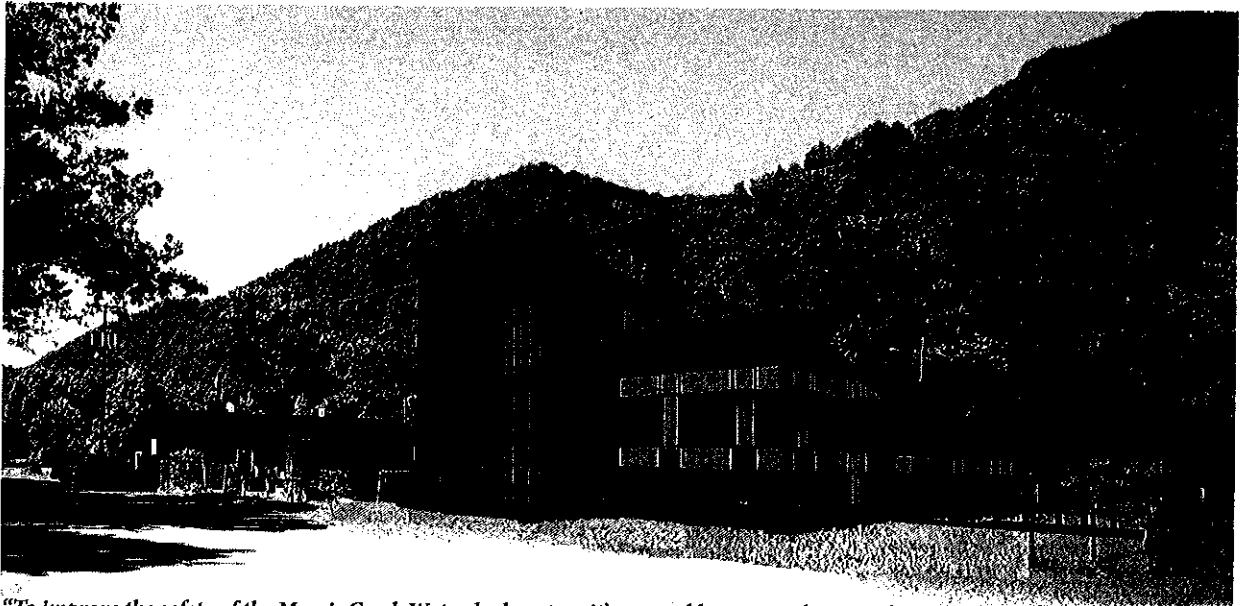
The task: Convert an old grocery store into a new and modern School of Nursing. The design team also programmed much needed conference/educational facilities for the main Medical Center Campus (just a few blocks away). The interactive learning center spaces developed here have set a new standard for medical education facilities in this region.

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 70,000sf 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.

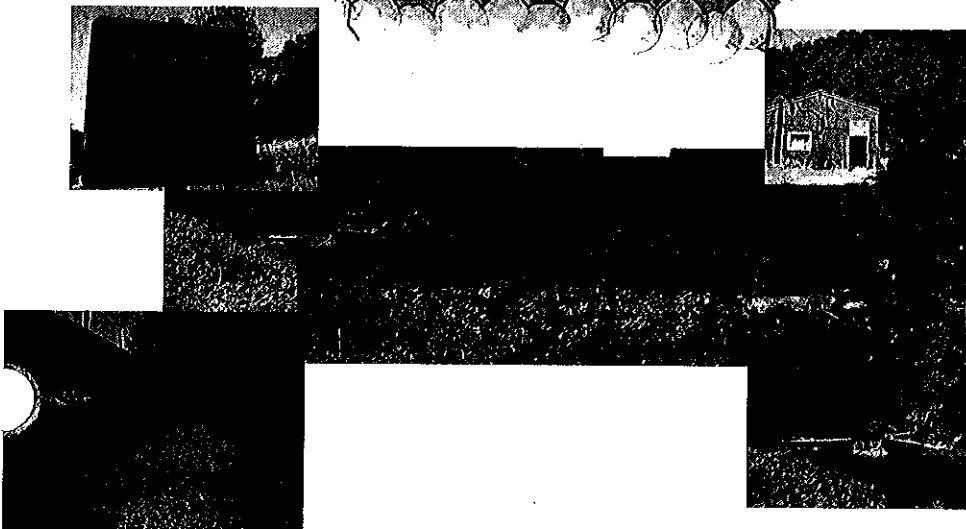
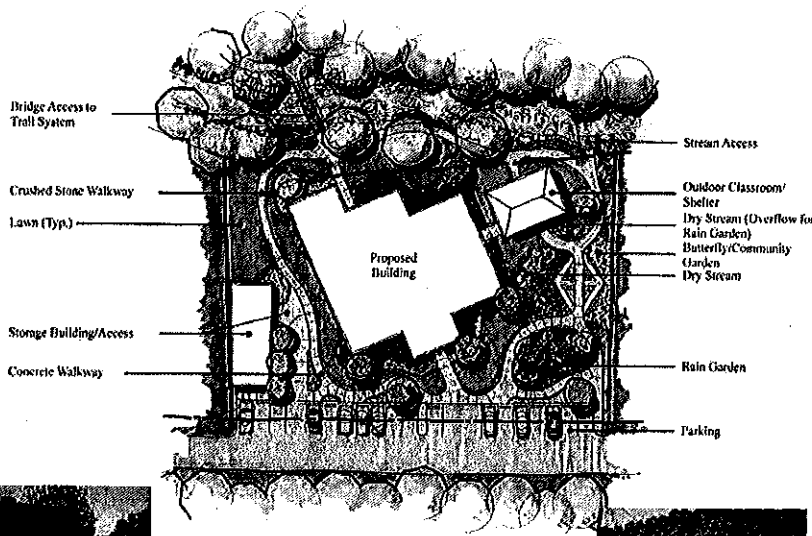
Construction Cost: \$4,500,000 (combined)
 Completion Date: 1998-2002 (all phases)
 Size: 70,000SF



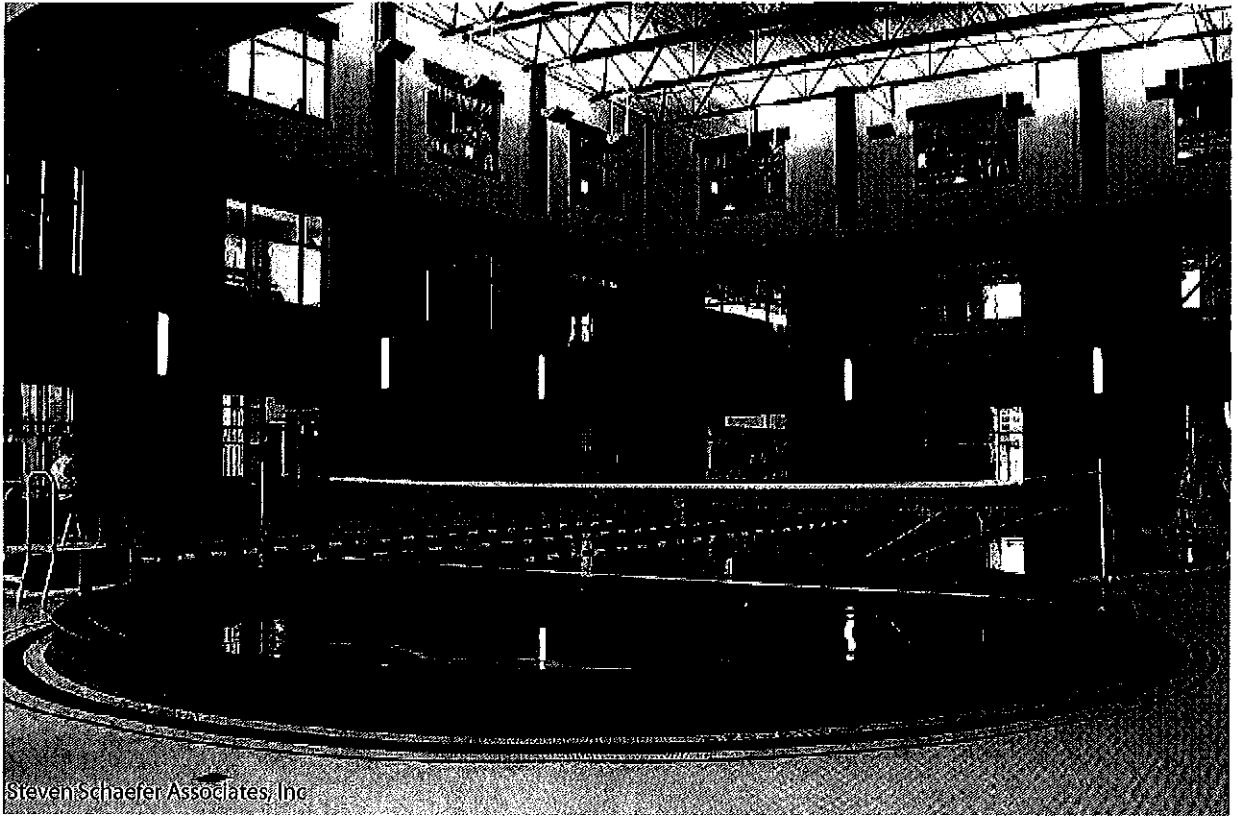
"To improve the safety of the Morris Creek Watershed, restore it's natural beauty, and return the watershed to a safe environment for all residents while restoring the water quality to a condition capable of supporting both aquatic life and local recreational activities, as well as, addressing the following key concerns: Preventing flooding, Flood protection, Stream bank stabilization, Maintenance and Water quality"

MORRIS CREEK WATERSHED Montgomery, West Virginia

The project was to design a Service Learning Center for the Morris Creek Watershed Community Action Group. They wanted to look at sustainable design strategies and the use of readily available building materials that could be constructed by local volunteer labor. Design of the building shall integrate building material and methods that promote environmental quality, economic vitality and social benefit through the construction and operation of the built environment. Sustainable strategies examined included Building Integrated Photovoltaics (BiPV), rainwater harvesting, natural ventilation, trombe walls, geothermal heating, tubular light tubes, light shelves, solar shading devices and photometric/occupancy sensors. Materials suggested were standing seam metal roofing, fiber cement panels, low-e glass, and recycled materials.

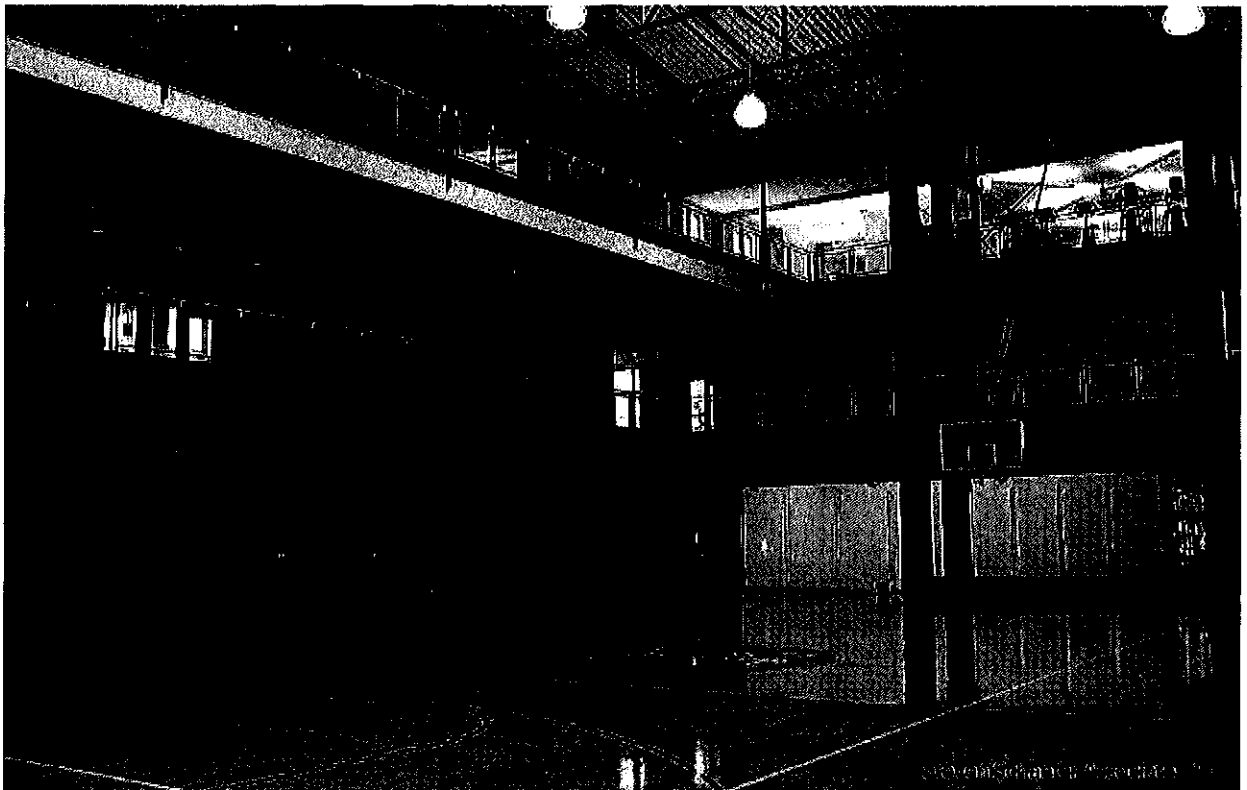


Currently seeking funding.



Steven Schaefer Associates, Inc

MARSHALL UNIVERSITY RECREATION CENTER
Huntington, WV



Steven Schaefer Associates, Inc



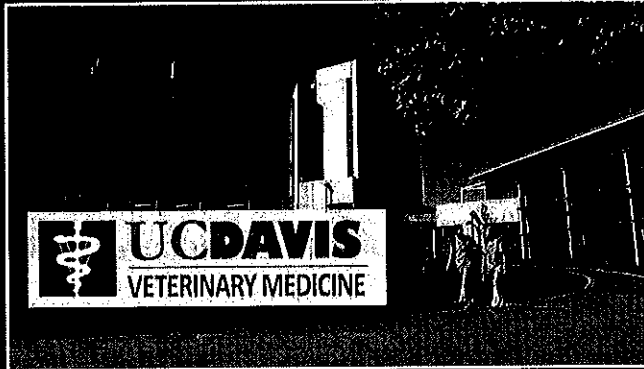
RONALD REAGAN VOICE OF AMERICA PARK
West Chester, OH



WINTON WOODS HARBOR BOAT DOCK
Cincinnati, OH

Engineering for Universities

ZDS project experience includes over 100 University and College Facilities.

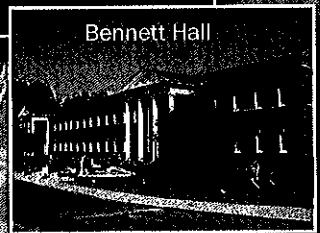


Harvard University, Arnold Arboretum, Weld Hill Research and Administration Building, and FFD (Gold Candidate)

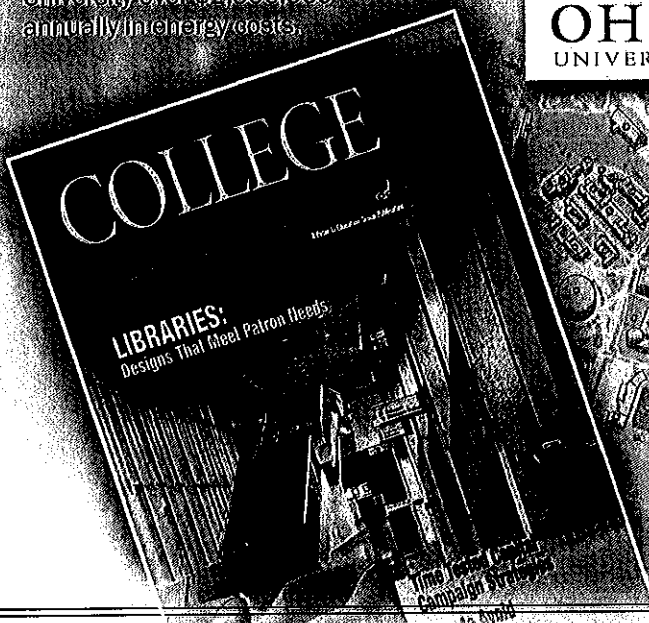
ZDS initiated a performance contracting project saving Ohio University over \$2,500,000 annually in energy costs.



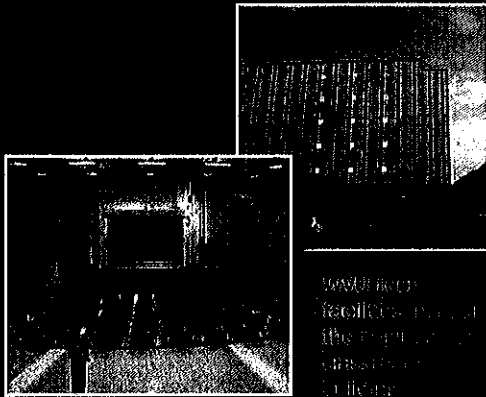
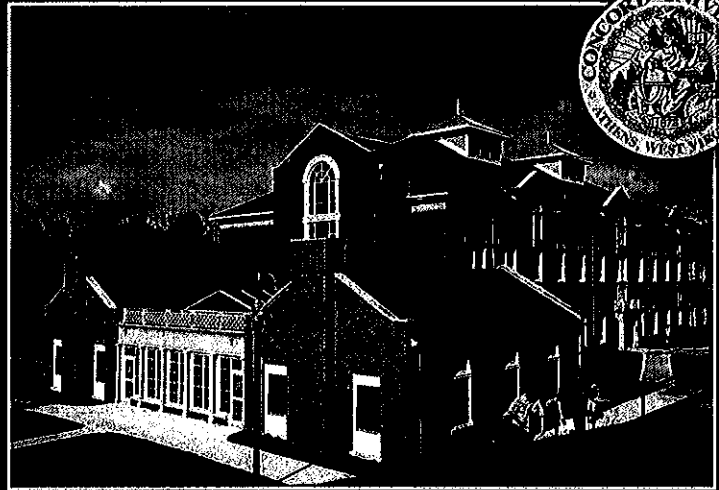
Shoemaker Gym



Bennett Hall



Design/Consulting Services



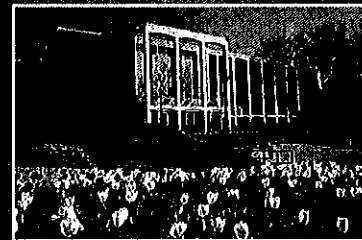
WVU high-tech facilities, part of the new library building



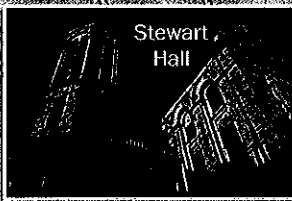
ZDS designed a system allowing West Virginia University to optimize their operation of their campus chilled water system.



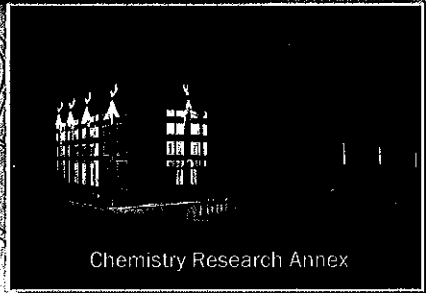
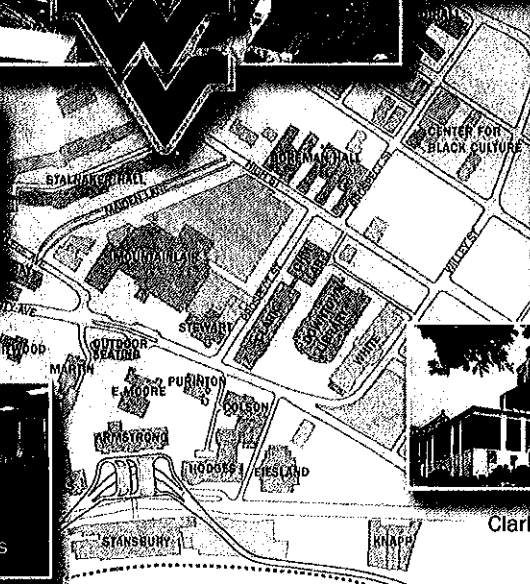
ZDS designed a system allowing West Virginia University to optimize their operation of their campus chilled water system.



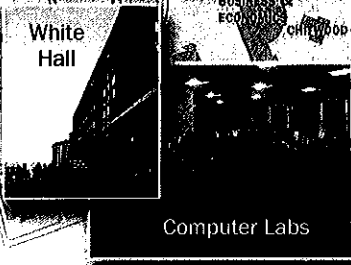
WVU Mountainair Center



Stewart Hall



Chemistry Research Annex



White Hall

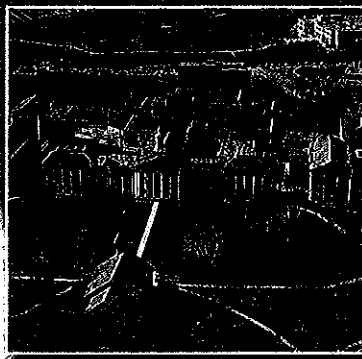
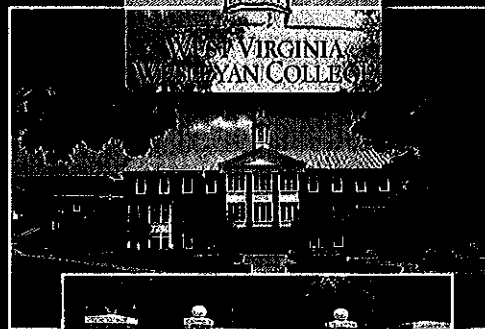
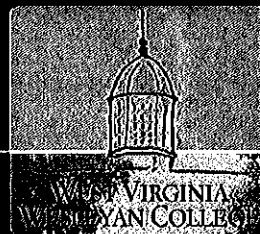
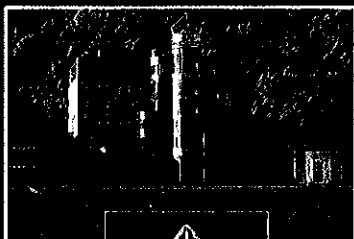
Computer Labs



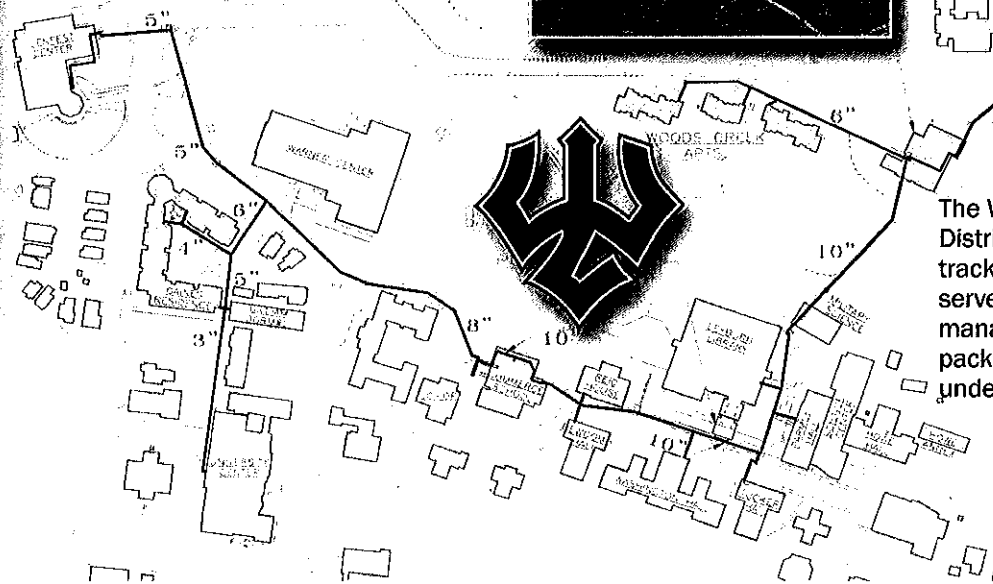
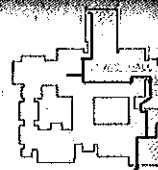
Clark Hall



Design/Consulting Services



Washington & Lee
UNIVERSITY



The Washington & Lee University District Cooling project was fast tracked. ZDS designed and served as the construction manager for over 14 separate bid packages to complete the project under budget and on time.

**WASHINGTON & LEE UNIVERSITY
CAMPUS CHILLER WATER LOOP PLAN**



Design/Consulting Services

Engineering for Universities

ZDS project experience includes
over 100 University and College Facilities.



1804

OHIO
UNIVERSITY

*Southern
West Virginia
Community and
Technical College*



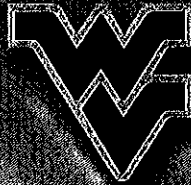
*THE UNIVERSITY OF
SOUTH ALABAMA*



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

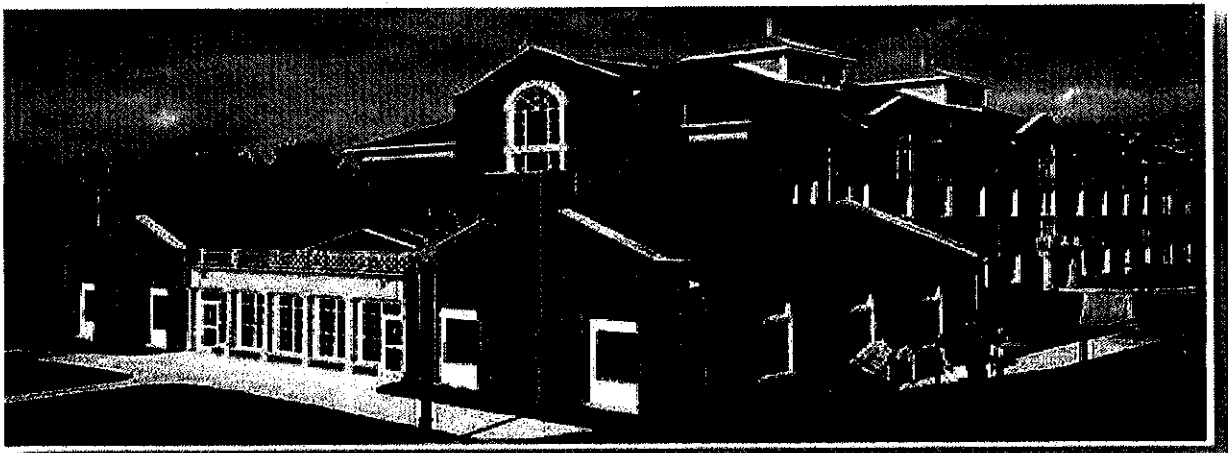
ZDS Design/Consulting Services

Project Name: *Nick J. Rahall II Technology Center*
Client/Location: *Concord University, located in Athens, WV*



Client Contact: Mr. John Ferguson,
 Chief Procurement Officer
 PO Box 1000
 Athens, WV 24712-1000
 Phone: (304)-384-5233

Services: Engineering planning & design for HVAC, Electrical, Plumbing, compliance with ADA, Fire Protection, Technology, DDC Controls, VAV AHU's, variable water volume pumping, UPS, Emergency Power, energy efficient lighting, & information technology.



Project Description

Concord University had an existing building, White Hall, that they wanted converted to a new state-of-the art technology center. Working through E. T. Boggess Architects, ZDS evaluated the potential mechanical, electrical, plumbing, fire protection and technology needs for significant infrastructure upgrades for an existing building that was not ideally suited for a technology center. After careful analysis, the design team and Owner decided it was best to demolish most of White Hall and construct a 50,000 ft² three-story building attached to the existing remaining structure. Congressman Nick J. Rahall II helped in obtaining the necessary funding to make the project possible and Concord University named the building after him in appreciation.

The quality of HVAC system was crucial to Concord University since they had just spent over a \$1 million correcting Indoor Air Quality (IAQ) problems in an existing relatively new building in which they believed the HVAC system contributed to the problem. ZDS designed around a centralized heating/cooling plant for greater efficiency in overall system operation and provided centralized control and maintenance of primary heating/cooling equipment, with the added

benefit of supplemental capacity in the event of a boiler failure. The planning and design services included providing a quality HVAC system and electrical equipment, and their sub-systems to provide a comfortable environment while addressing Indoor Air Quality, energy efficiency, operating costs and meeting the Owner's needs.

HVAC systems were enhanced to meet applicable codes and standards and improved indoor air quality through higher filtration, strict humidity control, ultraviolet light purification air flow measuring/monitoring and other design strategies. The business incubator area was equipped with flexible HVAC zoning and additional power to meet potential varying uses for the space.

The electrical systems included providing uninterruptible power supply, redundant HVAC and emergency power to the central computer center where all of the University's internet/intranet systems resided. Classrooms were equipped with the latest in technology including provisions for some of the future 3-D imaging instruction tools being developed.



The MEP design aids Concord University to operate their facilities efficiently and effectively and the state-of-the-art technology will greatly benefit the faculty and students for many years to come.

ZDS also designed, bid and provided construction administration services for completing the Campus Medium Voltage Loop involving every building on the campus which was completed in 2005 under budget and ahead of schedule. The \$375,000 electrical upgrades also provided the electrical service capability for the new technology center.

| | |
|--------------------------------------|--|
| <i>MEP Construction Cost:</i> | \$3,675,000 out of a \$10,300,000 total costs |
| <i>Size:</i> | <i>Approximately 50,000 square-feet</i> |
| <i>Completion Date:</i> | Completed in 2008 |

ZDS Design/Consulting Services

Project Names: ***Stevenson Library and Bennett Hall ME Renovations***
Client: ***Ohio University, Chillicothe Campus, Chillicothe, Ohio***

Client Contact: **Mr. David Scott,** **Ms. Pamela Callahan, AIA**
Director of Physical Plant Architect, Facility Planner
Phone: (740)-774-7243 Phone: (740)-593-2727
571 West Fifth Street Building 19, The Ridges
Chillicothe, Ohio 45601 Athens, Ohio 45701-2979

Services: Engineering planning, mechanical and electrical design, consulting for establishing comprehensive Performance Contracting program coordinated with HVAC and electrical renovations to Stevenson Library, Bennett Hall and proposed renovations to Shoemaker gym.

Project Description

ZDS Design/Consulting Services was originally hired to provide master planning for all HVAC, lighting, power and utilities on campus and provide a comprehensive audit of available remaining life of mechanical and electrical equipment and expected savings for implementing capital upgrades while reducing operating costs. A hybrid comprehensive performance contracting program and capital upgrades projects for OU's Chillicothe Campus evolved from that process. The planned upgrades were phased to allow for funding to be in place as the upgrades needed to occur over the 5 to 10 year plan.

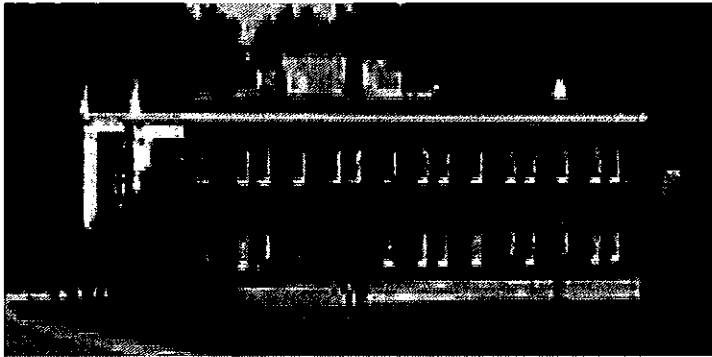


Stevenson Library – Renovations

The initial phase addressed indoor air quality concerns in the Stevenson Library. Mold and lack of humidity control caused concern by the faculty and students. The HVAC and electrical renovations addressed the Indoor Air Quality concerns, reduced operating costs while improving

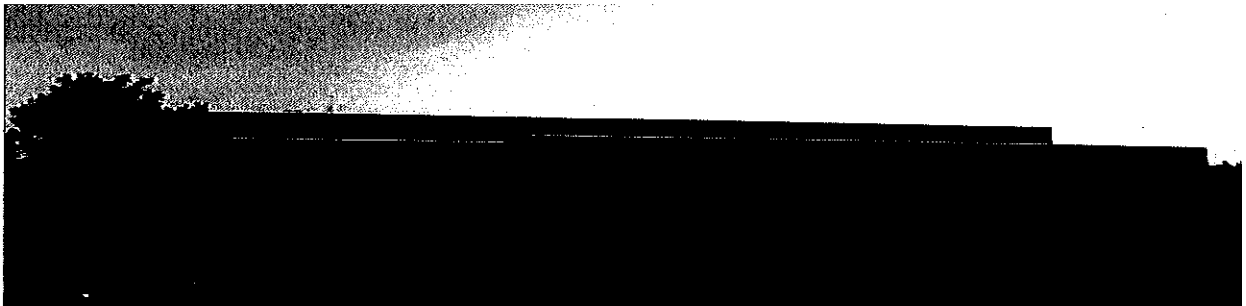
comfort. HVAC equipment was retrofitted or replaced to extend the life of the equipment for at least another 20 years.

The next phase involved upgrading the chiller plant and cooling tower that served most of the campus and the installation of variable water volume pumping and DDC controls. The chiller plant upgrades were in Bennett Hall.



Bennett Hall
100,000 square-foot classroom
facility with science labs

The Bennett Hall renovations included comprehensive HVAC renovations which include a new boiler plant to serve both Bennett Hall and Stevenson Library and incorporating of the chilled water plant upgrades. The capital upgrades for this phase came in under budget and were completed in 2003. Asbestos abatement was also part of the needs for this project. The building also had to remain in use during construction.



Shoemaker Gym is the final phase of the program and is expected to be addressed in the near future. Comprehensive DDC controls and lighting upgrades along with the HVAC upgrades produced significant operating savings and addressed many of the Universities IAQ concerns.

| | |
|---|---|
| <i>Project Size:</i> | Approximately 127,000 FT² thru 2004 |
| <i>Total Capital Project Cost thru 2003:</i> | \$4,400,000 |
| <i>Estimated Annual Savings:</i> | Between \$200,000 and \$300,000 |
| <i>Project Completion:</i> | 2004 |

ZDS Design/Consulting Services

Project Names: *General & Auxiliary Services Performance Contracting and Campus District Cooling*

Client: *Ohio University, Athens, Ohio*

Client Contact: **Dr. Sherwood Wilson**, Phone: (540) 231-4416, Vice President for Administrative Services for Virginia Polytechnic Institute of Blacksburg, VA. Former Associate Vice President for Administration, Ohio University, Athens, Ohio

Services: Engineering planning, mechanical and electrical design, consulting for establishing comprehensive Performance Contracting program & Master Planning for District Cooling System covering entire campus.



Project Description

ZDS developed a hybrid comprehensive performance contracting program and capital upgrades projects for Ohio University's Athens's Campus. The Chilled Water Project upgrades and expands campus air-conditioning systems, creating a central cooling infrastructure (similar to the central heating system on campus). Ultimately, this project will allow all University facilities to

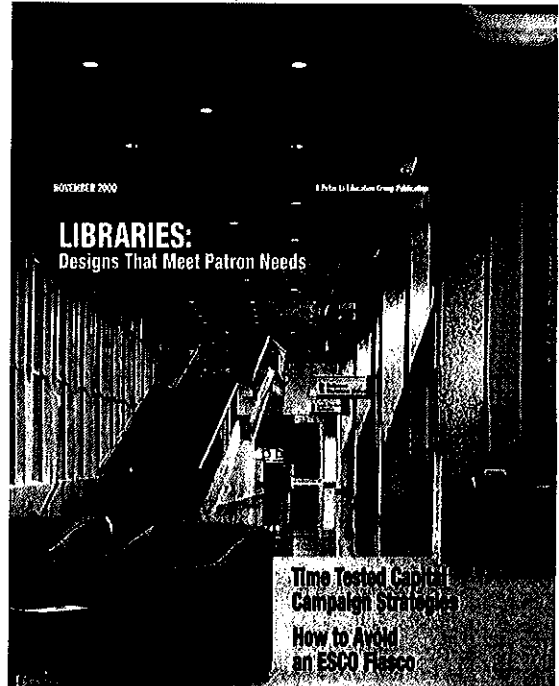
be air-conditioned from central locations. In addition, it will streamline operations, reduce costs, and improve the reliability of existing air conditioning systems.

The first phase of the Campus Chilled Water Systems covers the Western Campus is estimated to be near 6,000 tons of chiller plant and distribution system with variable water volume (VWV) pumping for energy and operation systems. Ice storage, absorption chillers, and electrical centrifugal chillers were all to be evaluated as part of O.U.'s overall chiller plant strategies. The chillers will be automated through a central DDC control system and lay the foundation for the remainder of the campus.

The Performance Contracting program involves Facilities Management Buildings and Residence and Auxiliary Services facilities. Equipment that is beyond their service life and operating very inefficiently will be replaced. The campuses coal fired boiler system that generates low cost steam (\$2.62 per MLbs) will be extended to replace the building boilers reducing energy and operating costs.



"ZDS is worth the monies the University paid for their services. It was important to have somebody guide us through the process. ZDS was not just an important part of the process; it was one of our most valuable assets," says Sherwood Wilson PhD, Associate VP for Administration.



Published in the "College of Planning & Management - November 2000"

| | |
|--|--|
| Projected Performance Contracting Cost: | \$25,000,000 saving over \$2,500,000 annually |
| Total Projected Capital Project Cost: | \$33,500,000 for District Cooling |
| Project Size: | Multiple Projects covering entire campus |
| Project Completion: | 2001 for ZDS's work |

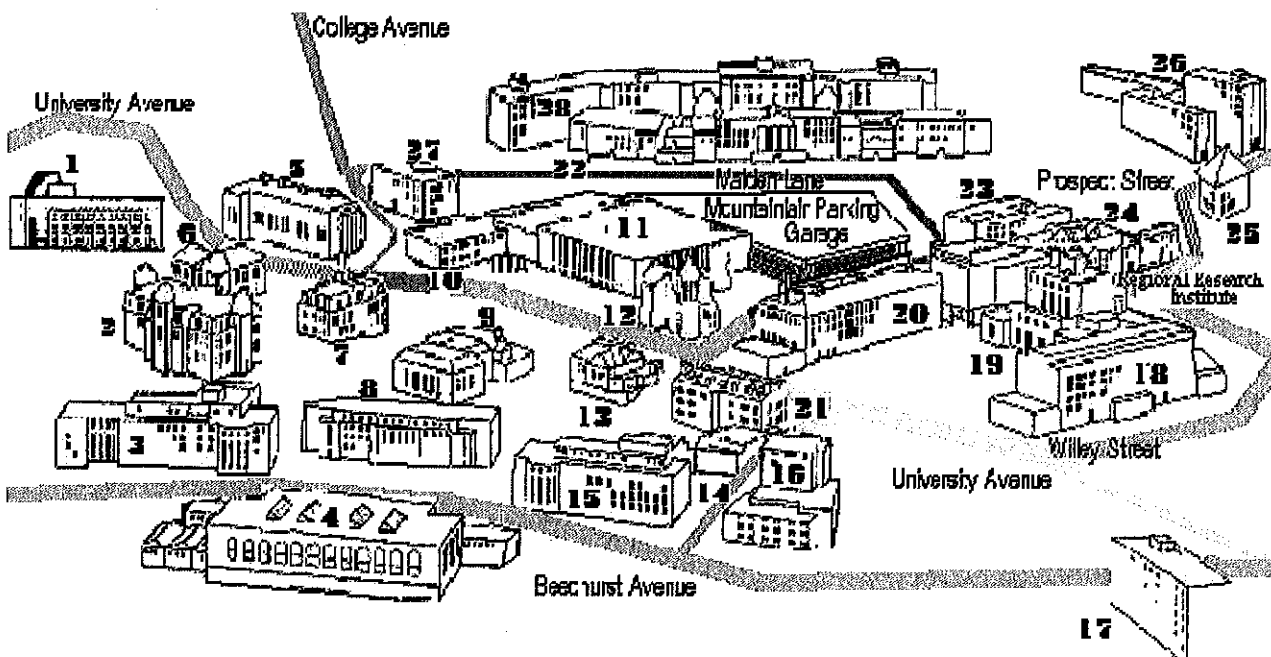
ZDS Design/Consulting Services

Project Names: *WVU Downtown Campus: Chiller Loop, White Hall Additions & Renovations and others as listed on next page*

Client: *West Virginia University, Morgantown, WV*

| | | |
|------------------------|---------------------------|----------------------------|
| Client Contact: | Mr. Gary Boyd | Mr. Bradley Field |
| | Mechanical Operation Mgr. | Capital Projects Inspector |
| | Phone (304) 293-8123 | Phone (304) 293-2855 |

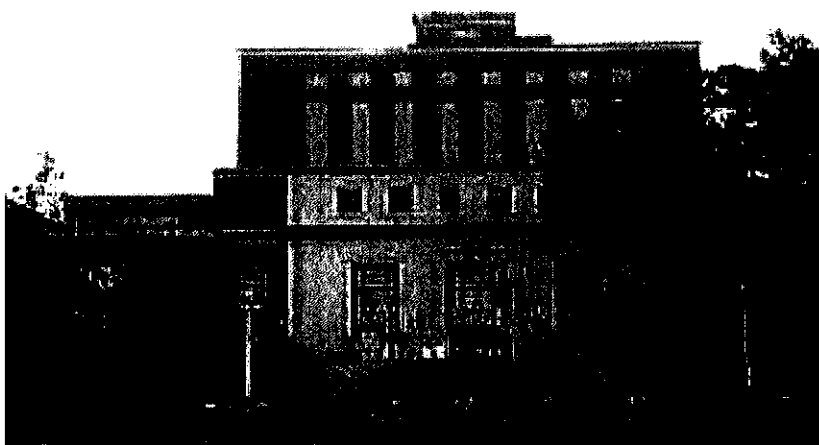
Services: Engineering planning, mechanical and electrical design, bidding and construction administration services for multiple projects involving 12 separate buildings at the Morgantown Campus and one at WV Tech Campus.



Project Description

ZDS Design/Consulting Services and its principals Ted and Todd Zachwieja prior to forming ZDS have been involved in numerous mechanical/electrical design projects for WVU. A project completed in 2000 involves the mechanical and electrical systems design for a three-story Computer Center located in the "west end high bay" of White Hall to serve WVU's downtown campus. ZDS also designed a new chiller plant located at "east end high bay" of White Hall. The new White Hall chiller plant serves the newly renovated and expanded Wise Library and the new White Hall Computer Center. The piping and pumping was designed so any chilled water

not required for Wise Library and the White Hall Computer Center was diverted to serve the existing "chilled water loop" system. The chilled water loop system interconnects approximately 3,800 tons of distributed chiller plant systems in White Hall, Mountainlair, Clark Hall, Chemistry Annex, with provisions to serve Stewart Hall and Boreman Hall in the future. The chiller loop concept has proven to be successful in maximizing cooling capacity and reducing operating costs at WVU. Todd Zachwieja was also the design engineer for the original chiller loop.

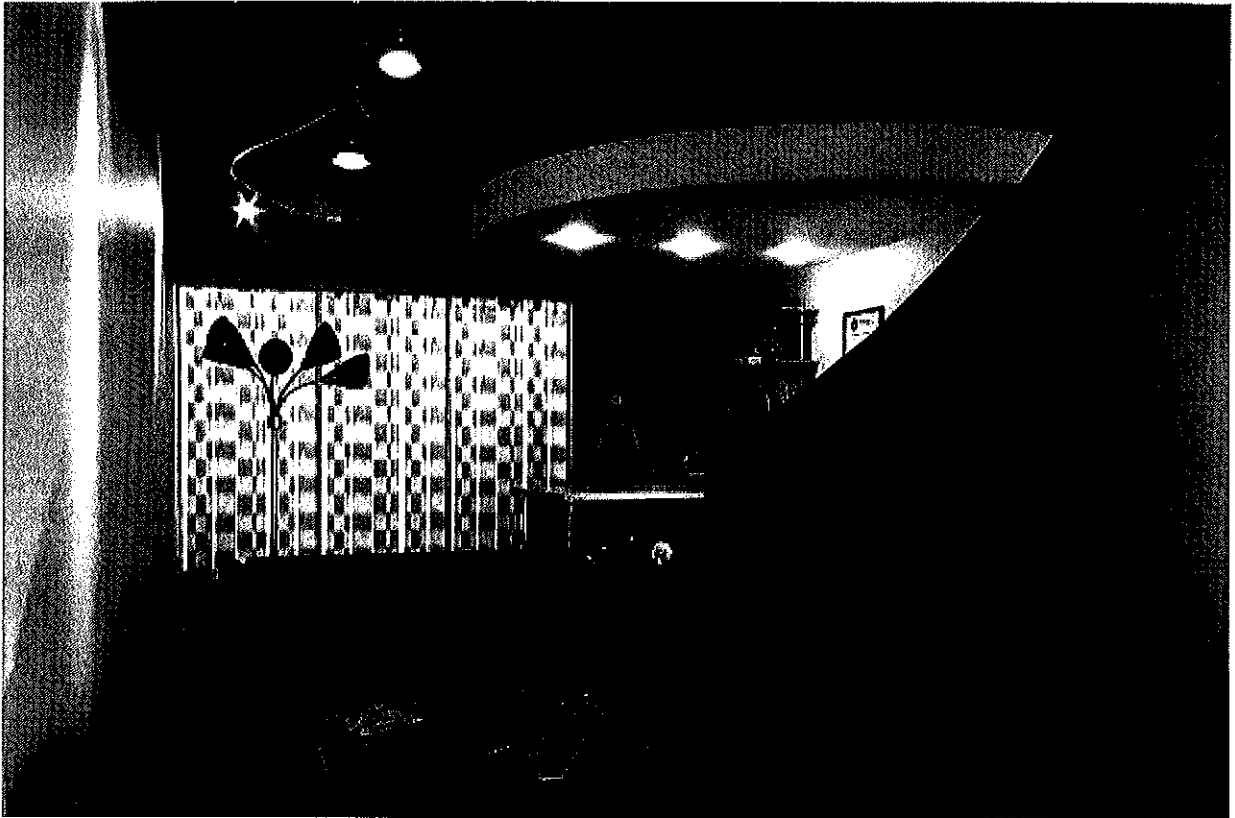


The White Hall Chiller project includes providing a new 750-ton electric drive centrifugal chiller with provisions for a future 1000-ton electric centrifugal chiller.

The White Hall chiller project eliminates the requirement of a new chiller plant in Wise Library by providing the capacity in White Hall and allowing the chilled water to be shared with other buildings tied into the chiller loop piping system. When one chiller is down for planned or unplanned repair, the chilled water loop system still meets the cooling requirements for all the buildings on the loop under most conditions. Variable speed pumping ensures maximum available energy savings and diversity by only utilizing all the required pumping energy to meet the load. The chiller plants, variable speed pumping and tower free cooling are all automated and monitored through a direct digital facility management system. The system allows for WVU to operate the most efficient chillers the longest and allows for flexibility when utility rates vary since the chilled water loop includes both electric centrifugal chillers and steam absorption "Tower free cooling" system with an indoor sump tank was incorporated to save energy and provide a stable winter operation for the chilled water system.

Total MEP Project Cost for projects listed:
Estimated Annual Savings:
White Hall Chiller Plant:

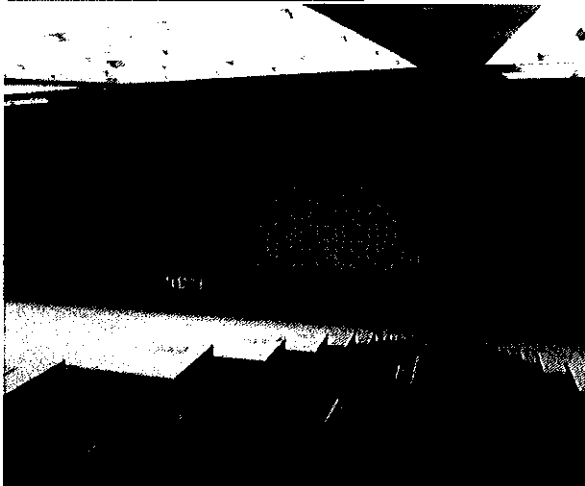
\$4,410,000
Between \$200,000 and \$300,000
Completed in 2001



SELECTED INTERIORS Various Locations



Interior finishes are the final touch to any design project. They are the personal, up-close experience. From high-tech/high touch to warm yet clinical, an appropriate interior design can add or subtract from a cohesive design. The selection of appropriate materials and finishes coupled with an understanding of desired performance are key to the longevity of any finishes.





SELECTED INTERIORS
Various Locations



Construction Cost: \$12,400,000

Completion Date: 2007

CLIENT CONTACT

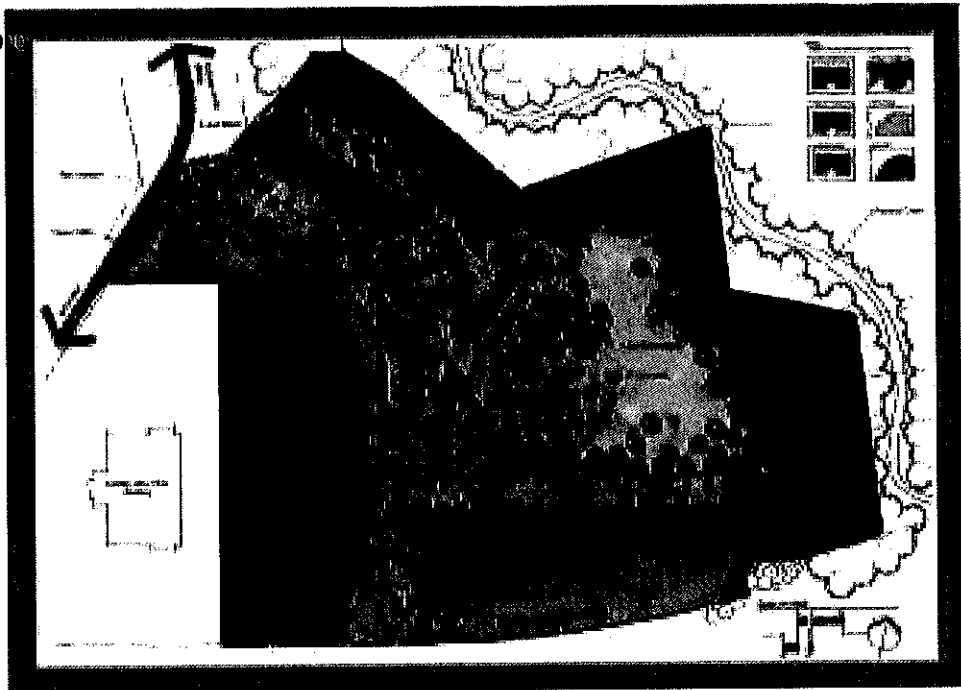
Mr Robert E. Childers

Parkview LP

#6 Fairway Drive

Huntington, WV 25705

(304) 733-6913



COMMERCE PARK
Huntington, West Virginia

The project consisted of the development of an existing industrial site into a multi-use site consisting of multi-family housing, flex space warehousing, and future retail. The existing site consisted of an approximate 12 acre industrial site which has had many uses since its initial development in 1926, ranging from glass product manufacturing to various other uses including heavy equipment manufacturing, metal fabrication, a machine and welding shop, and various industrial truck repair and maintenance operations.

Triad initially conducted an extensive Site Characterization under the West Virginia Voluntary Program (WVVRP). The site was parceled to allow for the use of differing redevelopment land-use scenarios. Certificates of Completion (COCs) have been issued by the WVDEP, OER for all three parcels at the site.

Triad provided full civil engineering services including site development design during development for this project. The project consisted of the construction and site development for mixed residential and commercial use. The residential development consisted of a 6 acre site including 7 buildings with a total of 52 housing units. The commercial development consisted of an additional 6 acres for a flex space warehouse and future retail out parcels. Triad worked with a project team consisting of the architect and developer, to develop a complete comprehensive set of construction drawings. Site features included concrete and asphalt paving, sidewalks, curb and gutter, site utility routing and drainage structures.

Services provided by Triad consisted of a phase I environmental site assessment to determine past site usage regarding any environmental concerns, field surveying to generate a map of existing site and topographic features, a geotechnical investigation to determine subsurface conditions to facilitate design of the building foundations and associated site work, design of all site grading and drainage features, and preparation of West Virginia Division of Highways (WVDOH) encroachment permit and West Virginia DEP construction storm water permits.



BANK ONE BRANCH FACILITY Teays Valley, West Virginia

Construction Cost: \$12,000,000
Completion Date: 2005

CLIENT CONTACT

Mr Steve Eggers
K. Norman Berry Associates, PLLC
511 Main Street
Louisville, Kentucky 40202
(502) 582-2500

TRIAD provided full civil engineering design services for this 1.5 acre commercial development project. The project consisted of the construction and site development for a branch banking facility in a commercial/retail setting. TRIAD worked with a project team consisting of the architect, mechanical engineer, and owner's representatives to develop a comprehensive site design and construction drawing package. Site features included concrete paving, sidewalks, curb and gutter, and storm drainage collection and detention system, including a sub-pavement storm water detention system.

As with all projects, this project was unique due to its location and positioning. Because of zoning and permit requirements, the project required extensive landscaping design. Because the site was located within a flood sensitive area and suffered from space limitations, a fairly extensive storm water detention facility was designed to function beneath the pavement.

Services provided by Triad included: geotechnical investigation to determine subsurface conditions and facilitate design of the building foundations and associated site work; collaboration with the owner and architect to optimize use of the relatively small site; design of all site grading and drainage features; preparation of permit applications, including West Virginia Division of Highways encroachment permit and West Virginia Division of Environmental Protection construction storm water permit; and, quality control testing, inspection, and construction administration.

DEVONSHIRE Scott Depot, West Virginia

Construction Cost: \$32,000,000
Completion Date: Ongoing

CLIENT CONTACT

Mr Todd Dofflemyer
Cathcart Properties, Inc.
1244 Swan Lake Drive
Charlottesville, Virginia 22902
(434) 296-4168

Triad provided full civil engineering services including site development design for this project. The project consisted of the construction and site development for a large luxury mixed used residential development located in Scott Depot, West Virginia. The development which encompasses approximately 110 acres will ultimately have 532 luxury apartments, 174 townhouses, 72 condominiums and 59 single family patio homes. The development also includes a 6,500sf clubhouse, resort style pool, playgrounds and sport courts. Triad worked with a project team consisting of the architect and developer, to create a complete, comprehensive set of construction drawings. Site features included concrete and asphalt paving, sidewalks, curb and gutter, site utility routing, drainage structures, and storm water management features.

Services provided by Triad consisted of, field surveying to generate a map of existing site and topographic features, geotechnical investigations to determine subsurface conditions to facilitate design of the building foundations and associated site work, design of all site grading and drainage features and storm water management features, and preparation of West Virginia Division of Highways (WVDOT) encroachment permit and West Virginia DEP construction storm water permits. The permitting phase of the project also included close coordination with the Putnam County, West Virginia Planning Commission to obtain building permits and certificates of occupancy. Triad also performed construction administration services on this project including full time inspection, construction documentation, pay estimate review, and Owner / Contractor coordination.

EAST HILLS DEVELOPMENT Huntington, West Virginia

Construction Cost: \$3,400,000

Completion Date: 2009

CLIENT CONTACT

Mr. Robert E. Childers

Structures Resources, Inc.

3135 16th Street Road

Huntington, West Virginia 25701

(304) 523-6515

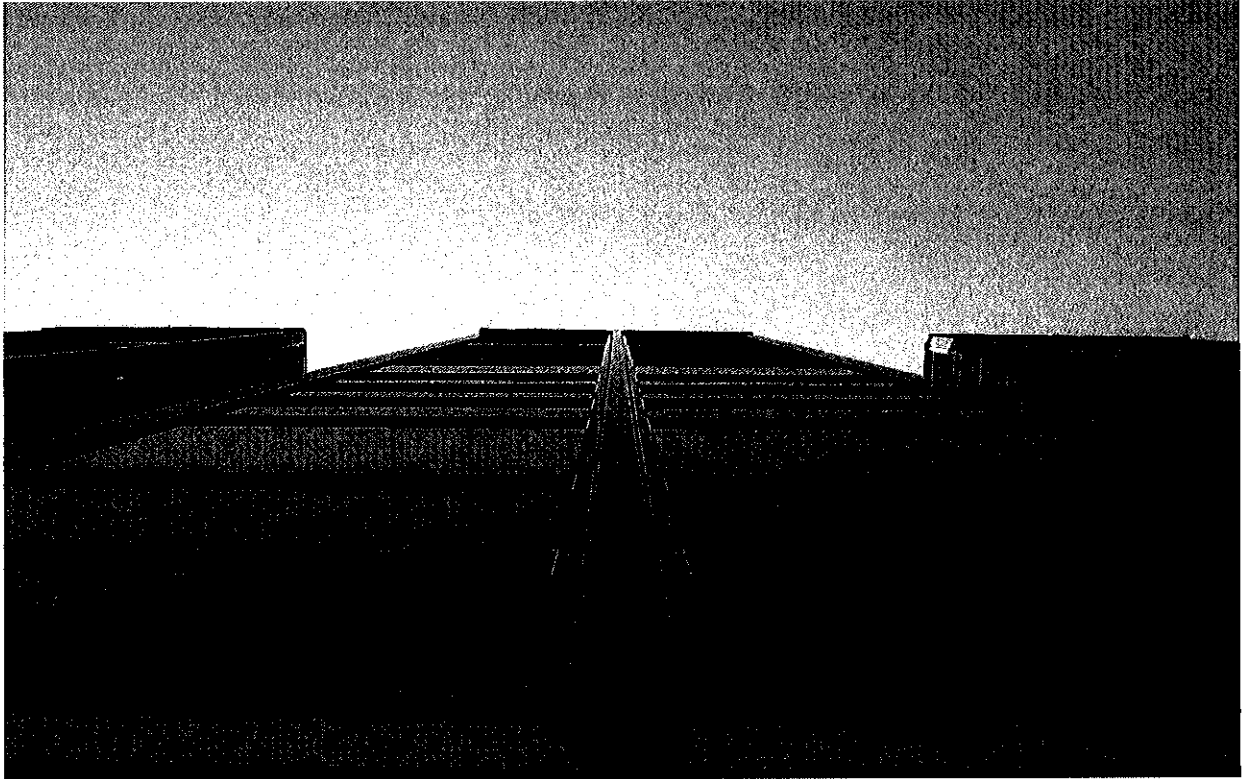
TRIAD provided full civil engineering services including site development design for this project. The project consisted of the construction and site development for mixed commercial use. The 12 acre site previously contained a shopping center. The project consisted of refurbishing the existing shopping center building for use as flex office space. The project also included constructing a 3 story office building and a bank. TRIAD worked with a project team consisting of the architect and developer, to develop a complete comprehensive set of construction drawings. Site features included concrete and asphalt paving, retaining walls, sidewalks, curb and gutter, site utility routing and drainage structures.

As with most site development projects, this project involved optimizing the use of available property to accommodate the structures and associated parking and access drives.

Services provided by Triad consisted of a phase I environmental site assessment to determine past site usage regarding any environmental concerns, field surveying to generate a map of existing site and topographic features, a geotechnical investigation to determine subsurface conditions to facilitate design of the building foundations and associated site work, design of all site grading and drainage features, and preparation of West Virginia Division of Highways (WVDOH) encroachment permit and West Virginia DEP construction storm water permits.

TEAM OVERVIEW





THIS PROJECT FOR WEST VIRGINIA DEPARTMENT OF NATURAL RESOURCES 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 improvements and repairs at Hawks Nest, Twin Falls and Pipestem State Parks. Our focus in adaptive re-use and rehabilitation of existing buildings includes several major buildings involving special uses and other complexities similar to those that the state will face on this project. The facilities designed by our team use evidence based design principles that confirm our design strategies and methods. 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 West Virginia's State Parks.

We asked ZDS Design/Consulting Services to team with us because of their vast experience in various facility types including State Parks and Recreation Buildings. ZDS has also enjoyed relationships of quality service with numerous colleges and universities 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.

Our Structural Engineers, Steven Schaefer Associates of Cincinnati, Ohio, have worked with Kreps and Zachwieja for more than 10 years. Their vast experience in Higher Education Facilities and Sports Venues in addition to Healthcare gives them the flexibility to quickly respond to design concepts. 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.

Triad Engineering, another local firm, has teamed with us for more than 25 years for civil/site engineering as well as unsurpassed landscape design for a wide range of clients including Federal, State and Local Governments. Each office contains the equipment for hydrological evaluations, risk assessments, stability analysis, survey data reduction, mapping and site design.

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 West Virginia Department of Natural Resources - Parks and Recreation.

Innovative Solutions – Measurable Results
Complex projects need an integrated process that establishes priorities, tests their validity, analyzes their market depth, and applies 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 believe 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 Governments.

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.



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



Southern
West Virginia Community and Technical
College



ABOUT KREPS AND ZACHWIEJA

Kreps and Zachwieja has provided outstanding professional services to its clients since 1945, when Vecellio & Kreps was founded. 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 Healthcare Design, we bring a level of expertise and knowledge to our clients that help them enhance the way they do business. 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 and respond appropriately.

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 occupancy.

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 our delivery of design services in our 65 year history.

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

COMPANY LEGAL NAME

Kreps & Zachwieja Architects/
Consultants, Inc

LOCATION OF INCORPORATION

West Virginia

PRINCIPAL OFFICERS

Mark T. Zachwieja, Principal in Charge
Jeffrey A. Kreps, Senior Principal

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 |

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 the design concept.



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.

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.

OUR WORK WITH PARK FACILITIES

Steven Schaefer Associates has been working on park facility projects for more than twenty years including; community centers, boat docks/ramps, public restroom facilities, and park housing. We also have a great deal of experience with recreational facilities from large wave pools and amphitheaters to temporary stages and long-span open arenas.



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

Steven Schaefer Associates provided the structural design for this single-story 14,000 sq ft pre-engineered metal building with 50' x 19' bays. The facility includes a steel framed mechanical mezzanine with a concrete slab and a clock tower on top of the building framing. Built with two wings, the east and west wings are each 4,750 sq ft.

Lauhorne Indoor Arms & Archery Adventure – Springfield, OH

This \$1.4 million indoor shooting range and instructional center is a state-of-the-art addition to the existing gun range. The building roof is constructed with precast concrete planks bearing on masonry walls with conventional spread footings. One side of the addition has soil retained to nine feet.

Ronald Reagan Voice of America Park – West Chester Township, OH

This new boathouse and lodge at the Butler County Voice of America Park includes an 8,600 sq ft reception hall/meeting room, food service area, office, and boat rental facility. The building is wood framed with an exposed heavy timber breezeway/entry. The project also includes a 1,100 sq ft timber gazebo supported on drilled piers, floating dock anchorage, and a concrete lake wall at the lake's edge.

Clark County Horse Arena & Covered Show Area – Springfield, OH

Steven Schaefer Associates provided the structural design for the Champions Center – a state-of-the-art exhibition facility designed for multiple purposes. The facility includes a 35,000 sq ft indoor arena, a 45,000 sq ft

covered outdoor arena, 470 permanent stalls, 1,300 sq ft second floor (for a skybox meeting room), commons area and banquet/meeting rooms.

Hamilton County Park District / Winton Woods – Cincinnati, OH

Steven Schaefer Associates has been working with the Hamilton County Park District for over twenty years. In that time we have provided the structural design for harbors, performance shelters, maintenance and restroom buildings, bridge railings, and wood framed single-story cabins.

Butler County Parks – Butler County, OH

This multi-use facility includes office space, refreshment center, and a conference center. The building has concrete foundations, load bearing wood framed walls, and wood roof framing. In addition, we provided structural design for a new gazebo supported on drilled piers over the adjacent lake. The project also included a portion of lake wall and boat rental docks.

Ellenwood Nature Barn – Cincinnati, OH

Built in the 1830's, this barn is located in Hamilton County's Farbach-Werner Nature Preserve. Steven Schaefer Associates provided design services to address significant deterioration of the foundations and first floor framing. All of the details were designed to facilitate the difficult situation of replacing framing and foundation below walls and columns that remained in place. Our design included a procedure for shoring the existing columns while the new foundations were built underneath them.

COMPANY LEGAL NAME

Steven Schaefer Associates, Inc

LOCATION OF INCORPORATION

Ohio

PRINCIPAL OFFICERS

James R. Miller, President
Ed W. Schwieter, Vice President
J. Greg Sliger, Principal

BOARD OF DIRECTORS

Steven E. Schaefer, Chairman
Ed W. Schwieter, Board Member
Shawn Daley, Board Member
James B. Graham, Board Member
Greg J. Riley, Board Member

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

Muhlhauser Barn – West Chester Township, OH (pictured top right)

Steven Schaefer Associates provided the structural design for the reconstruction of this 1881 timber-frame barn. The \$2.5 million project reconstructed at the base of Beckett Ridge holds up to 250 people and will make the Muhlhauser Barn the centerpiece of a new park development. The structure utilizes the original wood structure with reinforced steel connections. The building has a full basement on the grade level with a precast concrete first floor. There is also a 1500 sq ft wood deck on the back. The barn received the 2008 "Outstanding Facility Award" from The Ohio Parks and Recreation Association.

- Cambria Suites, Minneapolis, MN
- Cecil H. Underwood Youth Center / WV State Fair, Lewisburg, WV
- Lauhorner Indoor Arms & Archery Adventure, Springfield, OH
- Butler County Parks, Butler County, OH
- Hamilton County Park District, Cincinnati, OH



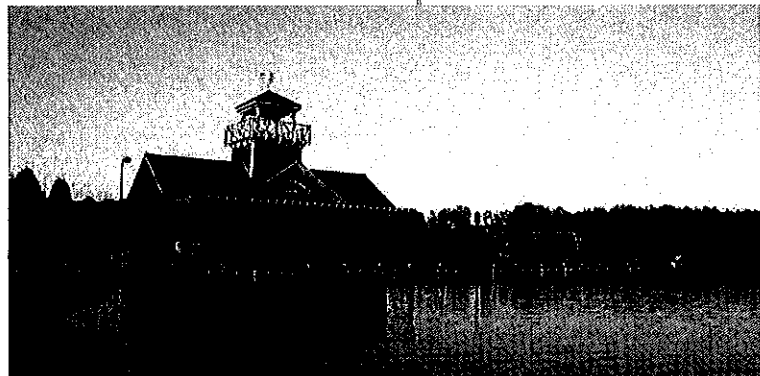
CLIENTS

A representative listing of recent projects include:

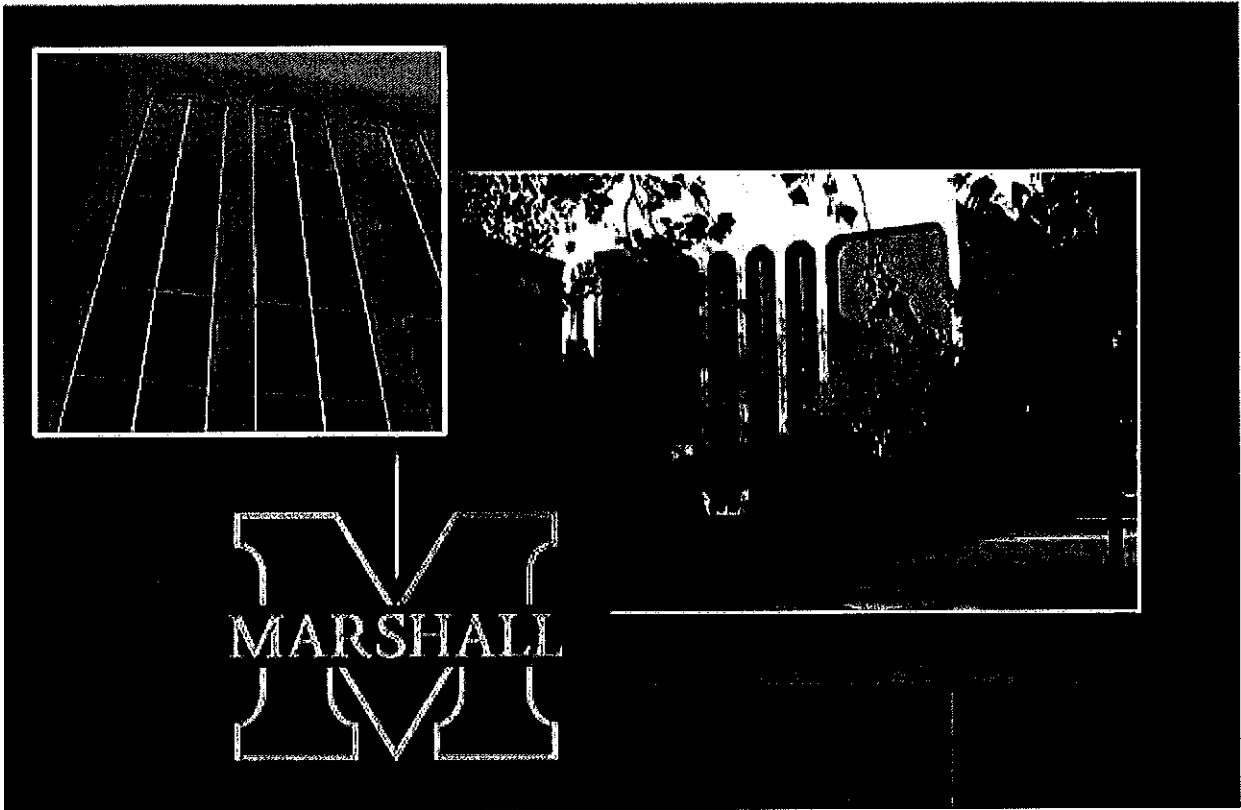
- Barren River Boat Dock, Kentucky
- Dale Hollow Lake Boat Dock, Kentucky
- Winton Woods Harbor Boat House, Ohio
- Hamilton County Parks / Shaker Village, Ohio
- Hueston Woods Nature Center, Ohio
- Keehner Park Amphitheater, Ohio
- Triple Creek Park Shelter Addition – Cincinnati, OH
- Marshall University, Huntington, WV
- Northern Kentucky University, Highland Heights, KY
- Blue Ash Recreation Center, Cincinnati, OH
- College of Mount St Joseph, Cincinnati, OH
- Miami University, Oxford, OH
- King's Daughters Medical Center, Ashland, KY
- Thomas Memorial Hospital, South Charleston, WV
- Summersville Regional Medical Center, Summersville, WV
- West Virginia School of Osteopathic Medicine, Lewisburg, WV



CECIL H. UNDERWOOD YOUTH CENTER / WV STATE FAIR – LEWISBURG, WV
*WITH KREPS AND ZACHWIEJA



WINTON WOODS HARBOR BOAT HOUSE, OHIO



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."

About ZDS Design/Consulting Service

ORGANIZATION

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

Todd A. Zachwieja, PE, C.E.M., LEED AP, Chief Executive Officer, offers over 28 years in the design and consulting business.

Ted T. Zachwieja, Principal over Construction Administration services with over 45 years experience in the design and consulting business. He was owner of Ted T. Zachwieja & Company from 1962 to 1982.

Daniel H. Kim, Ph.D., Manager of Strategic Planning, brings over 22 years in the design and consulting business and is one of the nation's leading experts in organizational management. He is also owner/founder of Pegasus Communications, Inc. from 1991 to present.

Lori Zachwieja, CPA, Chief Financial Officer and cofounder of ZECO Consultants.

PARK SPECIFIC EXPERIENCE

Ted Zachwieja, Principal of ZDS, has always had a passion for the outdoors and the state parks. Ted, prior to forming ZDS, performed construction administration for the state park building's Mechanical, Electrical and Plumbing systems, including the evaluation of the archery range and trailer camping parking facilities.

The parks were originally designed by a local architect with a nationally known parks consultant and were under construction when many problems surfaced and the original



design architects were fired. Ted's work for the local architect/engineering firm that was awarded the projects helped to resolve the enormous mistakes and errors made by the original design firm. Ted identified, corrected and redesigned the MEP systems in the field during construction administration and has extensive knowledge of the facilities which would benefit the proposed renovations. His avid archery experience was also instrumental in preventing the installation of an unsafe archery range.

Ted also provided the engineering design the original Canaan Valley Ski resort including the original ski snow blowers, retention pond, sanitary system and buildings MEP systems. This was prior to "snow making being mainstream for ski resorts.

Ted's ability and leadership to correct deficiencies created by other "experts" can be invaluable in the design. ZDS is noted for having skilled staff leading the industry. His vision shows through in ZDS's success and repeat clients covering 24 different states.

SERVICES

MECHANICAL
ELECTRICAL

INDOOR AIR QUALITY
COMMISSIONING

ENERGY

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

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

We work with all levels of the client's staff: the building owner, the budget supervisor, the operating and maintenance staff and others impacted by the project. We recognize the maintenance and operating staff live with the design long after the project's completion. We listen to and work with those who will continue to operate and maintain the equipment. We find that proper communication benefits the client throughout the design process and beyond.

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

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

NUMBER OF EMPLOYEES PER OFFICE

ZDS currently employs 11 design professionals.



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."

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 ENVIRONMENT™ 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 ENVIRONMENT™ 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 ENVIRONMENT™ Professional
- Editorial Advisory Board member of POWER PRESCRIPTIONS™ Indoor Air Quality Publication by Electric Power Research Institute.

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

- Resolve the building's "sick building syndrome" complaints.
- Identify solutions to extensive biological

contamination building related illnesses in renovated office buildings.

- Develop solutions for HVAC systems, temperature controls, equipment, operating and maintenance practices causing IAQ problems in schools and commercial buildings.
- Commission new and renovated facilities to minimize or eliminate IAQ issues before they become problems.
- Develop and establish master plans as well as conduct training seminars for IAQ of schools and commercial buildings.

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

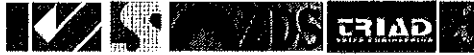
SUMMARY

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
- Determine, quantify and assist in securing available Utility & 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 ones.
- Converting constant speed air handling equipment and pumping systems to variable speed operation.
- Modifying air handling equipment from 100% outside air to return air operation.
- Implementing heat recovery units into HVAC equipment.
- Improving laundry, kitchen and other process application efficiencies.

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

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

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

Sustainable "Green Building" design including LEED's certification recognizes the importance of commissioning. The design and construction industry have had start-up problems when a facility is occupied and

constructions' deficiencies that were not discovered until the contractors traditional one-year warranty period expires. The mechanical and electrical systems have continued to become more complex with sophisticated control systems and equipment, and a mountainous amount of changing technology. If not properly addressed, building Owners could face numerous operational problems from "Sick Building Syndrome," excessive energy costs, and uncomfortable indoor environments. Commissioning is the missing link between design and implementation.

Subsequent to joining ZDS, Todd Zachwieja established commissioning services for one of the nation's largest energy service companies. He is also a LEED's Accredited Professional. Many utility companies and building Owners now require commissioning for the new or renovated facilities in order to maximize the use of their investments in their facilities and to obtain LEED's certification. The commissioning process offers the following benefits:

- Improved comfort, serviceability and Owner understanding of systems and design intent.
- Added technical support for the Owner and being proactive in preventing new problems.
- Reduced maintenance and decreased expenses related to operating deficiencies.
- Early identification and resolution of system discrepancies while designers and contractors are still under contract and on the job.
- Verification of system performance while meeting financial restraints.
- Commission new and renovated facilities to minimize or eliminate IAQ issues before they become problems.

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



and site-specific engineering consultation. Our project team has the unique experience of in-depth design knowledge and hands-on operations knowledge that fills in the gap between traditional design services and the building Owners operational needs.

NATIONAL RECOGNITION

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

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

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

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

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

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

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

Our design team will provide comprehensive services utilizing experienced staff through

planning: cost estimating, engineering, coordination of bidding, regular site visitation during construction and specifications for equipment. You, our Client, will greatly benefit from a single point of responsibility for every need your project may have.

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

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

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

CLIENTS

- Harvard University
- West Virginia University
- Washington & Lee University
- Ohio University
- Marshall University
- University of Charleston
- University of California - Davis
- West Virginia Wesleyan College
- Concord University
- West Virginia University Institute of



ABOUT TRIAD ENGINEERING

TRIAD HAS A WELL-TRAINED PROFESSIONAL STAFF READY TO HELP YOU MEET YOUR NEEDS AND REACH YOUR GOALS.

- CIVIL, GEOTECHNICAL AND MINING

ENGINEERS

- GEOLOGISTS, HYDROLOGISTS,

CHEMISTS AND BIOLOGISTS

- LANDSCAPE ARCHITECTS

- SURVEYORS

- CADD SPECIALISTS AND DRAFTSMEN

- CONSTRUCTION INSPECTORS AND

FIELD TECHNICIANS

- DRILLERS

MAIN OFFICES FOR YOUR PROJECT:

4980 TEAYS VALLEY ROAD

SCOTT DEPOT, WV 25560

(304) 755-0721

WWW.TRIADENG.COM

Triad Engineering, Incorporated, (Triad) is a regional consulting firm based in West Virginia that provides professional services in the areas of civil, environmental, mining, geotechnical and chemical engineering; site assessment; planning and landscape architecture; geology and hydrogeology; surveying and mapping; construction inspection; and related services. Our firm has provided services on thousands of projects of varying size and complexity since its founding in Morgantown, West Virginia in 1975.

Through our over 35 years of service in West Virginia and surrounding states, both the number and complexity of these projects have grown. Our clients include Federal and State governmental agencies, mining and industrial corporations, contractors, architects, engineers, attorneys, developers, and commercial organizations. Facilities and equipment available to support our staff have grown substantially during the past 35 plus years. Each of our offices contains computer facilities that are utilized for hydrogeologic evaluations, risk assessment, stability analysis, survey data reduction, mapping and site design. Our computer based drafting and reproduction facilities are used to develop detailed site plans, construction details, and other graphic documentation as required for our projects.

Triad Engineering, Inc. (TRIAD) is an employee-owned, full service company.

TRIAD currently includes a staff of approximately 250 personnel located in six offices. Our personnel include chemical, civil, environmental, geotechnical and mining engineers, as well as geologists and hydrogeologists, biologists, chemists, environmental scientists, planners,



landscape architects, natural resource specialists, regulatory compliance specialists, permitting engineers, risk assessors and health and safety specialists. Our technical support and administrative staff includes designers, draftsmen, surveyors, technicians, drillers, construction inspectors and clerical personnel. Most of our professional and technical staff have been with the company for many years. We pride ourselves on a very low turnover rate, which adds to continuity and enhances the level of productivity and experience afforded by TRIAD.

Professional staff assigned to your project will possess the necessary qualifications in their particular areas of expertise. TRIAD has assembled a team of individuals with broad experience to bring an unmatched knowledge and expertise to your project.

DESIGN SERVICES

- ENGINEERING: CIVIL DESIGN AND PLANNING; GEOTECHNICAL & FOUNDATIONS; MINING AND RELATED FACILITIES; STORMWATER MANAGEMENT
• ENVIRONMENTAL: PHASE I & PHASE II ENVIRONMENTAL SITE ASSESSMENTS; ASBESTOS, MOLD AND LEAD-BASED INSPECTIONS; WETLAND AND FOREST SERVICES, INCLUDING WETLANDS
•DELINEATION; REGULATORY COMPLIANCE ASSISTANCE; UST COMPLIANCE; PERMITTING; BROWNFIELD AND VOLUNTARY REMEDIATION ASSESSMENTS; WATER QUALITY SAMPLING & TESTING
• DRILLING & SAMPLING: ALL STAFF ARE FULLY TRAINED IN OSHA HAZWOPER PROCEDURES.
•DIVERSE FLEET OF DRILLING RIGS AND SUPPORT EQUIPMENT; IN-HOUSE ENGINEERING WORK AS WELL AS CONTRACTED SERVICES FOR GOVERNMENT AND PRIVATE INDUSTRY
• CONSTRUCTION: MONITORING; INSPECTION; QUALITY ASSURANCE AND QUALITY CONTROL; MATERIALS TESTING
• LABORATORY TESTING: SOIL; CONCRETE; ASPHALT; AGGREGATE
• SURVEYING & MAPPING: TOPOGRAPHIC & PLANIMETRIC; DESIGN SURVEYS; SETTLEMENT MONITORING; CONSTRUCTION LAYOUT; SUBDIVISION PLATTING; ALTA / ACSM SURVEYS; PROPERTY

TION LAYOUT; SUBDIVISION PLATTING; ALTA / ACSM SURVEYS; PROPERTY

•SURVEYS

- LANDSCAPE ARCHITECTURE: MASTER PLANNING; LAND-USE STUDIES; PRESENTATION GRAPHICS; STREETScape IMPROVEMENTS; SITE SELECTION, INVENTORY & ANALYSIS; DISTURBED LANDS RESTORATION; TRAIL STUDIES; PARKS AND RECREATION

CLIENTS

- LEATHERBARK CONDOS, SNOWSHOE, RESORT
•MOUNTAIN LODGE, SNOWSHOE RESORT
•ALLEGHENY SPRINGS, SNOWSHOE RESORT
•RIMFIRE LODGE, SNOWSHOE RESORT
•HIGHLAND HOUSE, SNOWSHOE RESORT
•SUMMIT LODGE, SNOWSHOE RESORT
•CAMP 4 CONDOS, SNOWSHOE RESORT
•SNOWSHOE DAM, SNOWSHOE RESORT
•SILVER CREEK DAM, SNOWSHOE RESORT
•BOONE COUNTY PARKS AND RECREATION
•SUE MORRIS SPORTS COMPLEX
•WELCH RIVERFRONT PARK
•TOURNAMENT PARK, RUDDELL, WV
•VOLUNTEER PARK, HUNTINGTON, WV
•WOLF POINT PARK, ASHLAND, KY
•TRI-STATE CASINOS, NITRO, WV
•COMFORT INN AND SUITES, NITRO, WV
•KINGS DAUGHTERS MEDICAL CENTER
•CABELL HUNTINGTON HOSPITAL
•THOMAS MEMORIAL HOSPITAL
•WEST VIRGINIA UNIVERSITY

COMPANY LEGAL NAME

Triad Engineering, Inc

LOCATION OF INCORPORATION

West Virginia, Virginia, Maryland, Pennsylvania

PRINCIPAL OFFICERS

Randy Moulton, President and CEO

Tina McPhail, CFO, John Kent, COO

John Meeks, Executive Vice President

BOARD OF DIRECTORS

Randy Moulton, CEO, Tina McPhail, CFO

John Meeks, COB, Bob Holstead, Parviz Jalali, John Kent, David Moore, Brad Reynolds, Roger Simar

LOCATION OF OFFICES

Morgantown, WV; Scott Depot, WV; Winchester, VA; Ashburn, VA; Haderstown, MD; Greensburg, PA

NUMBER OF EMPLOYEES PER OFFICE

Morgantown, WV - 55; Scott Depot, WV - 62; Winchester, VA - 35; Ashburn, VA - 26; Hagerstown, MD. - 43; Greensburg, PA - 4

BREAKDOWN OF EMPLOYEES BY DISCIPLINE

Admin. 15, Biologist 2, Cadd Operators 15, Chemical Eng. 1, Civil Eng. 18, Construction Insp. 60, Designers 16, Environmentalists 8, Estimators 3, Geologists 15, Hydrologists 2, Landscape Architects 2, Soils Eng. 25, Surveyors, 20, Other 23



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

- 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

- 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

COMPANY LEGAL NAME

Innerspace Interior Design

LOCATION OF INCORPORATION

Ohio

PRINCIPAL OFFICERS

Lisa Frasure

LOCATION OF OFFICES

Columbus, OH

ADDRESS

760 Chaffin Ridge

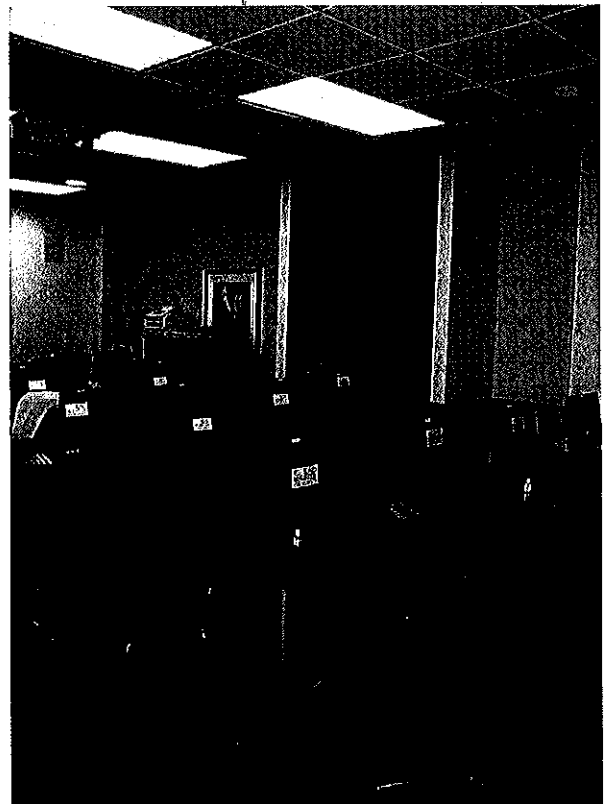
Columbus, OH 43214

Phone (614) 477-5854

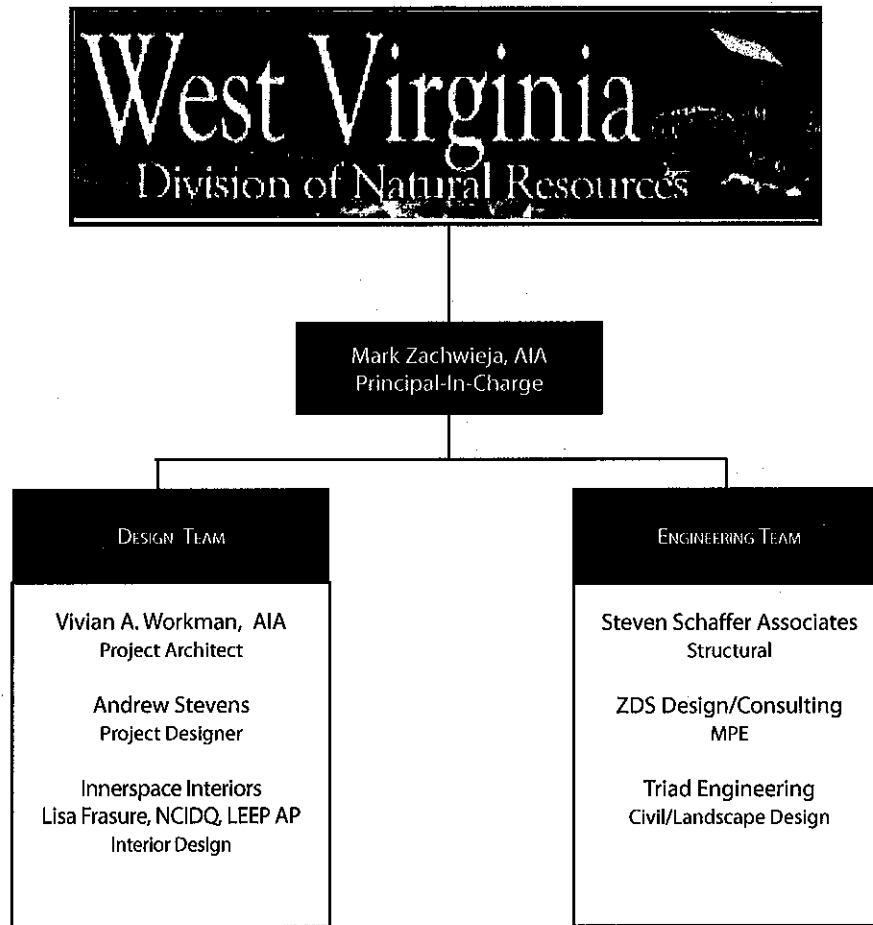
www.innerspaceid.com

NUMBER OF EMPLOYEES

Interior Designer.....2



PROJECT TEAM STRUCTURE



YOUR TEAM



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 Jeffrey 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

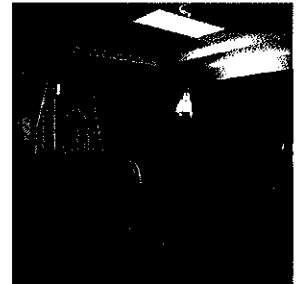
PROFESSIONAL AFFILIATION:

American Institute of Architects

AIA, West Virginia Chapter

OTHER

Certified by National Council of Architectural Registration



**Kings Daughters Medical Center
Ashland, KY**

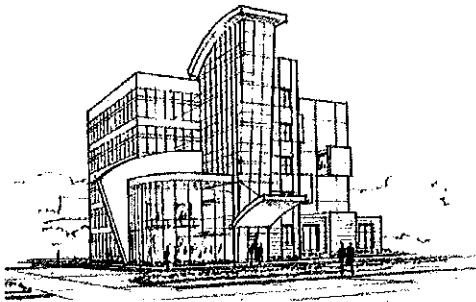
- 2007 Master Facility Plan
- \$50 Million Heart and Vascular Center and Patient Bed Tower
- 20,000 sf Center for Advanced Imaging
- 30,000 sf Outpatient Surgery Center
- 250,000 sf Medical Office Plaza A & B
- 20,000 sf Imaging Center

**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**

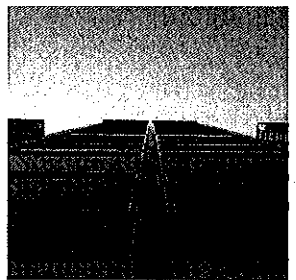
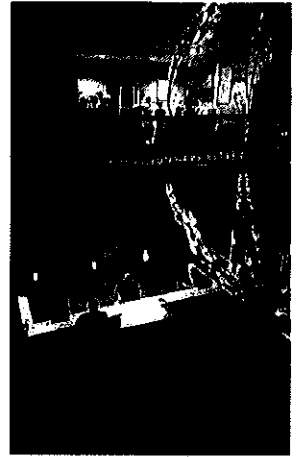
- 120 Bed Nursing Home Care Unit
- (Within the facility is a special 20-bed Psycho geriatric Unit)
- 12 Bed Specialty Clinic

**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

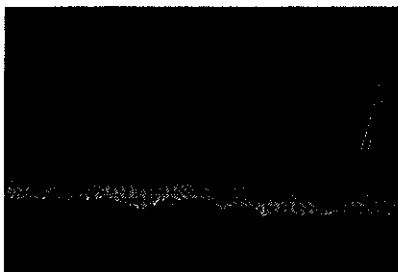
- 2006 Master Facility Plan
- New 18 bed Emergency Department
- New Intensive Care Unit
- New Hospital Lab
- Obstetrics Unit Expansion/Renovation
- New Main Lobby, Gift Shop, and Outpatient Services Department

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



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

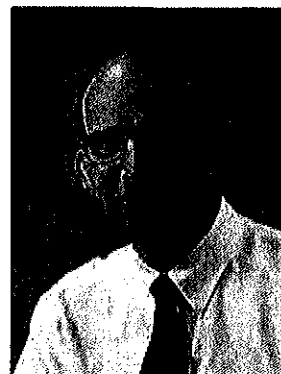
OTHER:

Certified by National Council of Architectural Registration Boards

Sub-Committee for the Architectural Registration Examination



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 Pavillon
- Emergency Center
- Imaging Center
- Teays Valley Oncology Center

Wetzel County Hospital Outpatient Clinic – New Martinsville, WV

Additional experience:

Marshall University Child Care Center – Huntington, WV

Overbrook Elementary Addition – Charleston, WV

Highland Local School District Elementary School Addition – Sparta, OH

St. Joseph Elementary Addition – Huntington, WV

Blue Ash Recreation Center – Cincinnati, OH

Marshall University Campus Recreation Center – Huntington, WV

Marshall University Softball Complex – Huntington, 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



BRADLEY D. ROGERS, P.E., LEED® A.P.
Project Engineer

Brad has a wide variety of experience that includes park facilities and building renovation/stabilization projects. Brad's range of projects include a large variety of wood, masonry, concrete, and steel structures with a strong background in renovation of historic properties, deteriorated structures, and reuse projects



Experience:

842 & 844 Lincoln Ave Renovation – Cincinnati, OH

Blue Ash Parks Building – Cincinnati, OH

Butler County Parks – Butler County, OH

Cincinnati Bible College Worship Center – Cincinnati, OH

Faith Church Life Center – Milford, OH

Kaufmann Building Renovation – Cincinnati, OH

Lebanon Presbyterian Church Addition – Lebanon, OH

Mount Healthy Park Improvements – Mount Healthy, OH

Ronald Reagan Voice of America Park – West Chester Township, OH

Triple Creek Park Shelter Addition – Cincinnati, OH

Underground Railroad Museum Renovation – Maysville, KY

EDUCATION:

MS Structural & Material
Engineering, Univ. of
Cincinnati, 2000

BS Civil Engineering,
University of Cincinnati, 1997

REGISTRATIONS:

Kentucky 23415

Ohio 68981

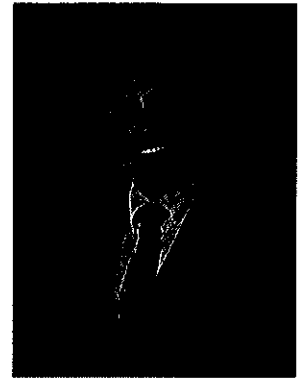
PROFESSIONAL AFFILIATION:

Structural Engineers
Association of Ohio

American Institute of Steel
Construction



TODD (TED) A. ZACHWIEJA, P.E. CEO, Principal-In-Charge



Todd has more than 28 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. He also developed computer programs for building energy analysis and monitoring and presented technical papers at regional and national conferences.

Some of his project experience includes:

- new Mercer County Courthouse – Princeton,
- Kanawha County Commission – 120,000 sf additions/renovations for the Judicial Annex/Kanawha County Courthouse – Charleston,
- Laidley Towers – Charleston, renovations to the WV State Capitol Complex,
- Cultural Center HVAC renovations, Union Carbide, United Center – Charleston, Phillip Morris USA, Rhone-Poulenc, Toyota, Olin Corporation, Walker Machinery, West Virginia Air & Army National Guard, Bank One – WV, Kohl's, Sears, West Virginia Public Service Commission Headquarters, Yeager Airport.

He 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.

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

Other health care experience includes Bluefield Regional Medical Center, Hopemont Hospital, Monongalia General Hospital, Montgomery General Hospital, United Hospital Center, St. Mary's Hospital, Summersville Memorial Hospital, Thomas Memorial Hospital, Webster Memorial Hospital, Cabell Huntington Hospital, Welch Emergency Hospital, Surgicare Center, VA Hospital - Clarksburg, VA Hospital - Huntington, Mercy Medical

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

PROFESSIONAL AND COMMUNITY AFFILIATION:

Charter member Mountaineer Chapter of American Society of Heating Refrigeration and Air Conditioning Engineers (ASHRAE)
Served as ASHRAE's Energy and Technical Affairs Chairman for 6 years
Recognized by the International Who's Who of Professionals
Recognized nationally as West Virginia's Business Man of the Year



TODD (TED) A. ZACHWIEJA, P.E. CEO, Principal-In-Charge (cont.)

Center, Wayne Memorial Hospital, and Webster Memorial Hospital.

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

Other experience includes providing M/E/P design for schools in the following counties: 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 his project experience includes the development and design of a pilot geothermal heat pump HVAC with variable speed pumping system at Webster County High School, which reduced electric bills by more than 40% while meeting IAQ requirements.

PROFESSIONAL AND COMMUNITY AFFILIATION (CONT):

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

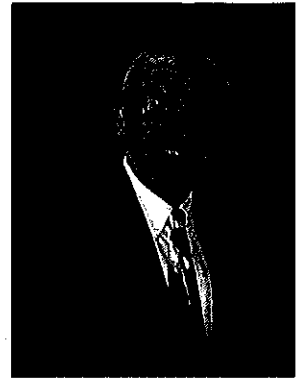
Prescriptions and other publications and articles dealing with Indoor Air Quality (IAQ) and MEP

engineering systems

Presented at regional and national conferences including the National System Commissioning Conference



TED T. ZACHWIEJA Principal-in-Charge, Construction Administration



Ted's responsibilities include over 45 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. His experience includes work for U.S. Steel, Union Carbide, Rhone-Poulenc, Bluefield Regional Medical Center, Charleston Area Medical Center, United Hospital Center, Kanawha County Schools, Marshall University, 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 Library Commission Cultural Center 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.

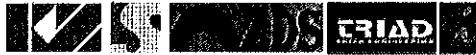
Prior to forming ZDS, Ted was regional manager for a hospital design firm and responsible for designing, construction management and project management for over \$200 million in hospital and health care facilities. The facilities were located over eastern United States. Some of his health care experience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

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



TED T. ZACHWIEJA
Principal-in-Charge, Construction Administration (Cont.)

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.



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.

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

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.



LORI L. ZACHWIEJA, CPA
Principal, CFO

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

Registrations:

Certified Public Accounting in 1988, No. 2542

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

Number 1949

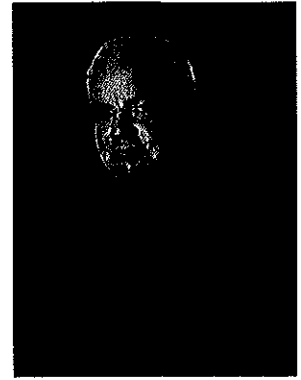


EDUCATION:

Bachelor of Science in Accounting, Bachelor of Science in Business Management, and a Bachelor of Science in Computer Management - West Virginia Institute of Technology - 1983
Master's Degree at Marshall University



JAMES E. WATTERS Plumbing Engineer, Project Manager



Jim has over 35 years experience in design and implementation of HVAC, plumbing and electrical systems including 9 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.

PROFESSIONAL AND COMMUNITY AFFILIATION:

Member of the National Fire Protection Association (NFPA)

Member of the Health Care Section of the NFPA

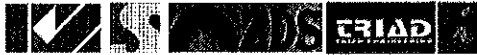
Member of the Illuminating Engineering Society (IES)

Past member of the Institute of Electrical Engineers (IEE)

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

Some of Jim's HVAC, plumbing, fire protection and electrical project experience includes:

- Eleanor Maintenance Facility for the West Virginia Department of Military Affairs and Public Safety in Eleanor
- Kings Daughters Medical Center in Ashland (multiple projects exceeding \$12,000,000 in construction costs), Charleston Area Medical Center in Charleston
- St. Mary's Medical Center in Huntington
- Paul Blazer High School in Ashland
- Marshall University Student Housing in Huntington
- Pleasant Hill Elementary School renovations in Calhoun County
- Boyd County Judicial Center in Kentucky
- Lightning protection and grounding study at Fenway Park in Boston
- Ritchie County Middle/High School
- Elkins Middle School HVAC and electrical renovations
- West Virginia Department of Transportation Burnsville Rest Area and domestic water pumping station
- Tucker County Board Office Boiler Retrofit
- Kanawha County commission Judicial Annex Renovations
- New Jaeger/Panther Elementary School
- West Virginia Division of Culture and History Fire Alarm/Sprinkler upgrades.



MARK A. MOORE, PE Project Manager, Electrical, Mechanical and Plumbing

Mark has more than 8 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 his educational and health care project experience includes:

Charleston Area Medical Center
Bluefield High School/Performing Art Center
Clay Elementary School
Concord University Technology Center,
Elkins Middle School
H. J. Keiser Elementary
Hopemont State Hospital Fire Alarm renovations
James Monroe High School, Ohio
University Bennett Hall mechanical and electrical renovations
Park Middle School
Ravenswood High
Ritchie Middle/High School
Tucker County High/Career Center,
Webster Springs Elementary School
geothermal heat pump system
Winfield High School HVAC/Electrical renovations
Pocahontas Co High School Renovations/
Science Center additions
New McDowell County Southside K-8 School
Woodrow Wilson High School HVAC/
Electrical renovations
United Hospital Wound Center and others.

His commercial experience includes:
Cass Railroad Clubhouse renovations,
DOT Rest Area and Welcome Center
prototypes for the WV Department of
Transportation
4-H Camp Muffly Training/Dining facility,

Hardy 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, and others.

EDUCATION:

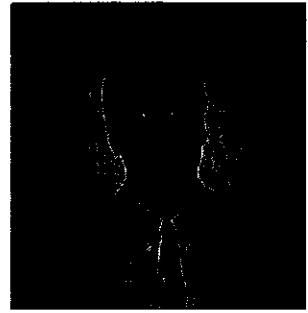
BS in Electrical Engineering
from West Virginia University
Institute of Technology -2001

REGISTRATIONS:

West Virginia



DAVID G. DIAL, P.E. Senior MPE 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 electric 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, WV
University - 1978

Masters of Science
Environmental Engineering,
WV University - 1980

REGISTRATION:

West Virginia



JAMES W. LOWRY, E.I.T. HVAC, Plumbing and Fire Protection Designer

James has over approximately 6 years of experience and has completed extensive HVAC design training at Carrier Training Center, Syracuse, NY and hydronic design/applications at the B&G training center, Chicago, IL. 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 and commercial facilities. He specializes in HVAC, fire protection & 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 in design.

Some of James' educational project experience includes:
Concord University Technology Center,
Davis Thomas Elementary/Middle School,
Elkins Middle School HVAC/electrical renovations,
Eastern Greenbrier Middle School addition,
Glade Elementary/Middle School renovations,
Greenbrier West High School additions/renovations,
laeger/Panther Elementary School,
James Monroe High School HVAC renovations,
Man/Central Elementary addition,
Park Middle School HVAC renovations,
Pleasant Hill Elementary renovations,
Smithville Elementary School additions/renovations,
Ritchie County Middle/High School HVAC/plumbing renovations,
Tucker County High/Career Center HVAC renovations,
New McDowell County Southside K-8 School,
Woodrow Wilson High School HVAC/electrical renovations.

James' health care experience includes:
Charleston Area Medical Center (Wound Center),
Charleston Surgical Center,
VA – Huntington steam replacement,
VA – Huntington water line replacement,
VA – Huntington CT Scan renovations.

His commercial experience includes:
Commissioning West Virginia Air National Guard's \$43 million maintenance and fuel cell hangars,
Cass Railroad Clubhouse renovations,
Burnsville Rest Areas,
Morgantown
Welcome Center,
I-70 Welcome Center, DOT Rest Area prototype,
DOT Welcome Center prototype,
4-H Camp Muffly Training/Dining facility,
Kanawha County Judicial Annex,
Jackson County Courthouse Annex,
Mason County Courthouse,
Pendleton County Courthouse additions/renovations,
Tucker County Courthouse renovations,
Point Pleasant River Museum addition,
Hardy County Daycare Center,
West Union Bank Award Winning new facility, multiple branch banking facilities,
Webster County Multi-tenant build-out,
West Virginia Capitol Complex
Performance



EDUCATION:

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

PROFESSIONAL REGISTRATIONS:

E.I.T. West Virginia No. 8376
West Virginia State Board of
Registration for Professional
Engineers

PROFESSIONAL AND COMMUNITY AFFILIATION:

American Society of
Mechanical Engineers



JOSEPH YOUNG, ASLA Landscape Architect

Mr. Young currently serves as Landscape Architect for the St. Albans branch of TRIAD. In this capacity, Mr. Young brings nineteen years of experience on a diverse range of projects covering all aspects of landscape architectural design and planning in both the public and private sector. Mr. Young's experience includes but is not limited to park and streetscape design, resort and campus master planning, subdivision layout, landscape and hardscape design, grading and earthwork calculations, construction detailing, specifications, estimating, and project management. Mr. Young also performs Project Management on related projects, and has been involved in planning projects for national and international military bases, pocket parks, 5,000 acre reserves, large downtown streetscapes, subdivision layout and design, and campus master plans for many college and universities.

EDUCATION:

BSLA, Landscape Architecture
- West Virginia University, WV,
1989

PROFESSIONAL REGISTRATION:

West Virginia

Ohio

PROFESSIONAL AFFILIATION:

West Virginia Recreation and
Park Association (WVRPA)

American Society of
Landscape Architects (ASLA)

Washington Nile Local School District, West
Portsmouth, Ohio

White Sulphur Springs Streetscape
Improvement Project, White Sulphur
Springs, WV

Clay Local School District, Portsmouth Ohio

Charleston Newspapers, Pedestrian Park,
Charleston, WV

King's Daughters Medical Center Medical
Office Building Ashland, Kentucky

Paul G. Duke Park, Troy, OH

- 3 Medical Office Buildings in Southern
Ohio and Eastern Kentucky
- Vision Master Plan, Ashland, KY

The Miller Addition, Englewood, OH

Bridge Road Master Plan, Charleston WV

Englewood Reserve Master Plan,
Englewood, OH

Wolf Point Park, Ashland, KY

Camp Kern YMCA Master Plan, Dayton, OH

Volunteer Ballpark on Memorial Boulevard,
Huntington, WV

Chaminade- Julienne Catholic High School

Powderidge Condominium Improvements,
Snowshoe, WV

Englewood Streetscape Development,
Englewood, OH

Stonewall Jackson State Park, Roanoke, WV

River Corridor Street Closure, Streetscape,
Dayton, OH

The Forbes Center, Master Plan, Charleston,
WV

University Oxbow, Ohio University, Athens,
OH

St. Albans Streetscape, St. Albans, WV

Jefferson Community College, Master Plan,
Louisville, KY

Washington Street Improvements,
Charleston, WV

Ohio University East Green, Landscape
Development Plan, Athens, OH

Washington Street Streetscape Master Plan,
Charleston, WV

Emro Corporation Headquarters, Springfield,
OH

Ripley Streetscape Improvements, Ripley,
WV

Residential Community, Master Plans,
Southwest Ohio

Washington Street East Streetscape
Improvement Project, Charleston, WV

West Side Community Revitalization Plan,
Charleston, WV



JACK E. RAMSEY, P.E. Utilities Group Manager

Mr. Ramsey brings 16 years of design and project management experience to Triad Engineering. He has been involved in all aspects of water and wastewater engineering as well as general civil engineering. Mr. Ramsey came to Triad in 2006 to provide technical assistance and project management on complex and sensitive wastewater and potable water projects. In his current capacity Mr. Ramsey works on the planning, coordination, design, and construction of civil engineering projects to meet the expectations and needs of the client. Mr. Ramsey has experience in environmental engineering, civil engineering, wastewater collection, storm water conveyance, and water distribution systems, as well as wastewater and water treatment plants and storm water pollution control. Duties have included line layout, hydraulic analysis, pump and booster station designs, water storage tank design, pressure reducing station design, and plant layout and design. Mr. Ramsey has vast experience in dealing with funding and regulatory agencies. He has been instrumental in helping clients obtain loans and grants for their projects.

EDUCATION:
BS, Civil Engineering
Technology, West Virginia
Institute of Technology - 1994

PROFESSIONAL REGISTRATION:
West Virginia
Ohio
Virginia

PROFESSIONAL AFFILIATION:
American Society of Civil
Engineers

Wastewater Projects:

- Alcon Laboratories
- Buffalo Creek PSD
- Central WV Regional Airport Authority (CWVRAA)
- City of Glenville
- City of Huntington
- City of Paden City
- City of St. Albans
- Craigsville PSD
- Crab Orchard-MacArthur PSD
- Flatwoods-Canoe Run PSD
- Nitro Regional Wastewater Utility
- Salt Rock Sewer PSD
- South Putnam PSD
- Syracuse-Racine Regional Sewer District
- Town of Belle Sanitary Board
- Town of Cairo
- Town of Camden on Gauley
- Town of Cedar Grove
- Town of Eleanor
- Town of Hartford
- Town of New Haven
- Town of Moorefield
- Town of Pratt Utilities
- The Meadows of Hawthorne
- Towne of Middlebourne
- Town of Winfield
- Village of Rio Grande

- South Putnam PSD
- Town of Fort Gay
- Union Williams PSD
- WV American Water

Stormwater Projects

- South Putnam PSD
- Huntington Alloys
- Town of Belle
- Town of Eleanor
- WV Division of Highways

Other Civil Engineering Projects

- Fruth Pharmacy (Cross Lanes)
- Habitat for Humanity (City of Charleston)
- International Coal Group (ICG) Site
- Nitro Regional Wastewater Utility
- Teays Valley Cinemas
- Town of Winfield Planning Commission

PUBLICATIONS

- Ramsey, J.E., 2003. "Stormwater Quantity and Quality Issues" WV Rural Water Association Fall Quarterly
- Ramsey, J.E., 2006. "Rehabilitating Existing Sewer Systems" WV Rural Water Association Summer Quarterly
- Ramsey, J.E., 2009. "Belle Wastewater Systems Gets a Facelift" WV Rural Water Association Fall Quarterly

Water Projects

- City of Glenville
- City of Paden City
- Craigsville PSD
- Green Valley Glenwood PSD
- Silverton PSD



L. LEE MCCOY, JR., PE Senior Engineer/Project Manager

Mr. McCoy is currently the Department Manager for our Civil/Transportation Design Section and a Project Manager for the St. Albans office of TRIAD. In this capacity, he is responsible for the oversight of our civil engineering staff as well as the technical and management aspects of civil design and transportation projects within the office. Mr. McCoy has designed and managed projects in numerous disciplines including civil, structural and transportation engineering, site development, planning and surveying. These projects have included streets/highways, bridges, retail/commercial site preparation, airports, parking lots, buildings, retaining walls/foundations, sanitary structures, as well as recreational facilities. Duties included field surveying, drawings and specification preparation, design, design drafting, construction inspection, quality control testing, shop drawing review, project management

West Virginia Department of Transportation, Division of Highways, Charleston, WV:

- American Church Bridge Replacement, Delbarton, WV
- Corridor H, U.S. 48 – Scherr, WV
- Dunlow Thru Truss Bridge
- U.S. 460 – I77 Interchange, Princeton, WV
- Jones Laughlin Overpass Bridge
- Tablers Station Connector, Martinsburg, WV
- Hundred Littleton Bridge

Hobet Mining, LLC – Madison, WV

Appalachian Fuels, LLC – Man, WV

Pendleton County Commission - Franklin, WV

BB & T Bank – Louisville, KY

Marshall Foundation – Huntington, WV

Loves Country Stores – Ripley, WV

Putnam County Office of Planning and

Platinum Properties, Morgantown, WV

- Design and specification of roadway.
- Design and specification of sanitary sewer extension.
- Design and specification of waterline

extension.

City of Charleston, Charleston, WV

- Kanawha Boulevard Sidewalk
- Streetscape Renovations -
 - oLee Street Triangle
 - oHale Street/Quarrier Street Intersection
 - oDickenson Street/Lee Street Intersection (1st in state to utilize Streetprint® asphalt paving process)

Habitat for Humanity of Kanawha and Putnam Counties - South Charleston, WV

Rite Aid Corporation - New Cumberland, PA

- Huntington, WV, Hal Greer Boulevard
- Beckley, WV, Robert C. Byrd Drive
- Beckley, WV, Eisenhower Drive

Devonshire Development, Scott Depot, WV

WVDEP, Division of Abandoned Mine Land & Reclamation, various locations

EDUCATION:

B.S. Civil Engineering - West Virginia Institute of Technology, 1996

PROFESSIONAL REGISTRATION:

No. 14731 West Virginia
No. 25932 Kentucky
No. 73186 Ohio

PROFESSIONAL AFFILIATION:

American Society of Civil Engineers
Society of American Military Engineers



STEVEN A. CLARK, P.S. Survey Supervisor

Mr. Clark is currently the Survey Supervisor for the St. Albans office of TRIAD. In this capacity, he is responsible for the supervision of the survey crews, overseeing the field work through drafting to the finished product delivered to the client, meeting with clients, and performing field work on large and complex projects. Mr. Clark is experienced in underground surveying, construction layout, boundary and road work surveying, photogrammetric and topographic surveying. Mr. Clark has supervised and/or performed survey work on various types of work including both underground and surface mine surveying for coal mine facilities, site surveys and construction layout for landfill facilities, site surveys and right of way plans for WVDOH highway projects, and site surveys and construction layout for site development projects. Mr. Clark has been involved in survey projects in several states including West Virginia, Florida, Virginia, and Ohio. In his supervisory capacity, Mr. Clark is responsible for schedules, project budgets, and the overall coordination of all survey projects. He works with all levels of engineering staff, the overall project team, and the project owner to produce a quality work product which satisfies all project requirements.

•Airport Facilities, Various Airports throughout West Virginia

In both the supervisory and surveying role on these projects, Mr. Clark is responsible for the generation of site surveys and property boundary surveys to be used in the planning and design of airport facility expansion and upgrade. Steve has also supervised and performed construction layout on these projects that require extreme accuracy to meet the needs of the local airport operator and the Federal Aviation Association. Notable airport projects include:

Summersville Airport - Summersville, WV, Wood County Airport - Parkersburg, WV, Tri-State Airport - Cabell County, and Yeager Airport in Charleston, West Virginia.

•WVDOH Highway Projects, Various Highway Engineering Consultants

Mr. Clark's expertise includes several WVDOH projects for various highway consulting engineering firms. He is responsible for the generation of site surveys and property boundary surveys to be used in highway planning and design. He is also responsible for supervising and coordinating other necessary work to perform these surveys including courthouse research and interaction with all existing property owners to complete property questionnaires for right of way acquisition. He has also supervised and performed construction layout on highway projects including bridge and structure layout. Some notable highway design projects

include: Corridor D - Parkersburg, WV, I-64 Widening - Kanawha County, WV, Veterans Bridge - Clarksburg, WV, and Route 10 Upgrade - Logan County, WV, King Coal Highway - Mercer County, West Virginia.

Notable construction layout projects include: Holden Bridge - Logan County, WV, Chelyan Bridge - Kanawha County, WV, Tug River Bridges - Mingo County, WV, Bruno Bridge - Logan County, WV, Robinson Creek Bridge - Boone County, WV, and various small bridge and highway construction projects throughout West Virginia.

•Coal Mine Facilities, Various Facilities throughout West Virginia

Mr. Clark's experience on coal mine facilities consists of underground and surface mine surveying. Underground surveying consists of surveying mine projections for the production of coal, and keeping mine entry horizontal and vertical datum current. Surface mine surveying consists of surveying the coal pits for quantity and mapping purposes, mapping of the overburden monthly for coal production ratios, and assorted construction layout. Notable mining companies include Mingo Logan Coal Company- Logan County, and Ashford Coal Company- Boone County.

•Abandoned Mine Lands, Statewide Contract, WV

In his role as Chief Surveyor, Mr. Clark is responsible for generating site survey data including all physical and topographic features for various Abandoned Mine Land (AML) projects throughout West Virginia.

EDUCATION:

High School Diploma
East Bank High School, 1972
Surveying and Mapping
Course Carver Career Center,
1972

PROFESSIONAL REGISTRATION:

Licensed Professional
Surveyor WV, 2003
Certified Black-Hat Coal Miner
WV, 1985
Certified 40 Hr HAZWOPER
(OSHA 29 CFR 1910.120)
OSHA, 2001

PROFESSIONAL AFFILIATION:

West Virginia Society of
Professional Surveyors

•Retail Development, Construction Surveying
Mr. Clark's experience as a construction layout surveyor includes multiple site design and construction layout projects. Notable projects include the construction layout of the Nitro Market Place retail Center in Nitro, WV, Southridge Retail Center, Charleston, WV, Devonshire Luxury Housing Site, Putman County WV, Ripley Hudson Housing Development, Jackson County, WV, numerous retail restaurants, including Arby's, Burger King, Wendy's, O'Charley's. Retail stores include Walgreen's, Rite Aid, Wal-Mart, Lowes.

•Chemical Plant Facilities, Various Facilities throughout West Virginia



JAMES R. (BO) CRINITI, JR., EIT Staff Engineer

Mr. Criniti is responsible for Staff Support of civil and surveying projects. He has participated in the design and management of numerous projects. These projects have included retail/commercial site preparation, airports, parking lots, buildings, retaining walls, foundations, sanitary structures, as well as boundary and topographic and photogrammetric surveys. Duties have included hydrologic and hydraulic analysis and design, erosion and sediment control plans, storm water management, field surveying, preparation of construction and as-built drawings, project specifications and preparation of various permit applications. Mr. Criniti also performs construction management, construction inspection, quality control testing, shop drawing review, project management, contract administration, and report preparation. He performs engineering calculations, studies, plans, reports and data analysis, all under the supervision of a licensed engineer. Mr. Criniti assists in the coordinating of construction projects including conducting pre-bid, pre-construction and progress meetings, schedule review and pay request review and approval. He also assists in conducting interim and final inspections of construction projects to determine compliance with applicable laws, regulations, and specifications.

PROJECT EXPERIENCE SUMMARY

•City National Bank – Construction Administration Services, WV

This project consists of a state wide contract to provide construction administration services for City National Bank on bank loans for commercial construction projects. On this project Mr. Criniti is responsible for performing periodic job site inspections of work progress, reviewing contractor pay requests, monitoring project schedules as they pertain to percent completion and pay requests, and conducting periodic progress meetings.

•Devonshire Housing Development, Scott Depot, WV

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for site development design and permitting for various portions of this large residential development. In this capacity he has to coordinate with the project architect, local municipalities, the WVDOH and the project developer. Work on these projects includes building pad positioning and elevation, access road layout including grading design, parking lot layout, utility routing, storm drainage feature layout and design. Permitting work on these projects includes WVDOH encroachment permitting, health department permitting and NPDES permitting for handling surface water during construction. Mr. Criniti is also responsible for attending and conducting project meetings with the project

contractor, the developer and associated agency.

•BB&T Facility Beckley, WV

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage design and permitting for this branch bank facility. In this capacity he has to coordinate with the project architect, local municipalities, the WVDOH and the project developer. Work on this project included, utility routing, storm drainage design, storm water management design and preparation of WVDOH encroachment permit applications, health department permit application and NPDES permit application for handling surface water during construction. Mr. Criniti is also responsible for performing construction admin on this project consisting of site inspections, pay application review and approval and construction schedule monitoring.

•Washington Nile, Clay Local School District and Portsmouth Athletic complex, Various, Ohio

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage design and permitting for these projects. In this capacity he has to coordinate with the project architect, local municipalities, the ODOT and the project developer. Work on these projects included, utility routing, storm drainage design, storm water management design and preparation of ODOT encroachment permit applications,

EDUCATION:

B.A. Chemistry WVU,
Morgantown, WV 1995

B.S. Civil Engineering
WVUIT, Montgomery, WV,
2008

EIT July 2009

PROFESSIONAL AFFILIATION:

American Society of Civil
Engineers

health department permit application and NPDES permit application for handling surface water during construction. Mr. Criniti is also responsible for performing construction admin on this project consisting of site inspections, pay application review and approval and construction schedule monitoring.

•Tolsia Athletic Fields, Fort Gay, West Virginia

As a Staff Engineer, Mr. Criniti has been involved in and is responsible for the drainage design and permitting for this project. In this capacity he has to coordinate with the project architect, local municipalities, the WVDOH and the project developer. Work on this project included, utility routing, storm drainage design, storm water management design and preparation of WVDOH encroachment permit applications, health department permit application and NPDES permit application for handling surface water during construction. Mr. Criniti was responsible for performing construction admin on this project consisting of site inspections, pay application review and approval and construction schedule monitoring.

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:

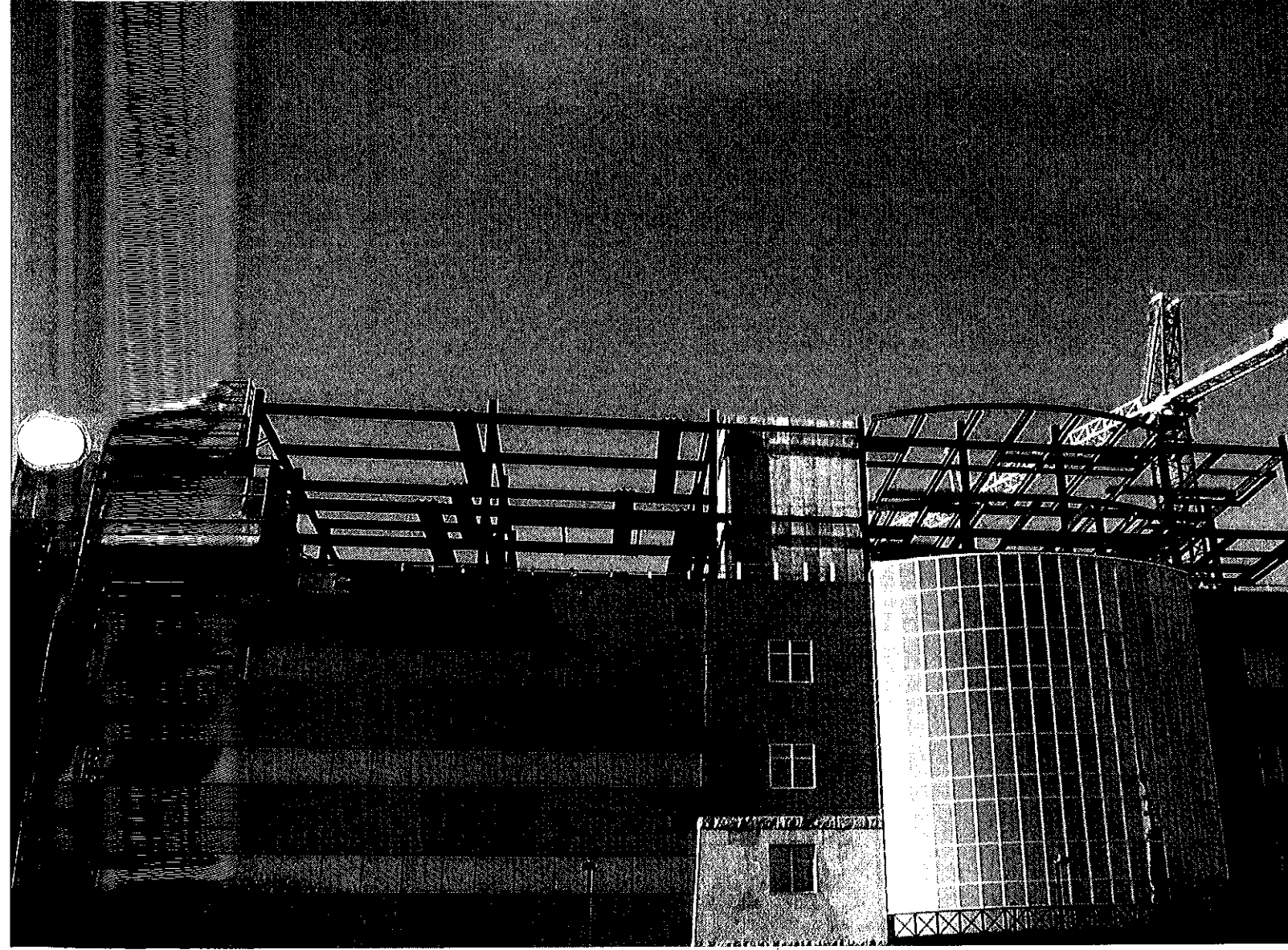
LEED Accredited Professional, National Council for Interior Design Qualification (NCIDQ) Certified 1994

OTHER

Board of Directors of the Columbus Green Building Forum www.cgbf.org 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





CLIENT REFERENCES

Howard Harrison
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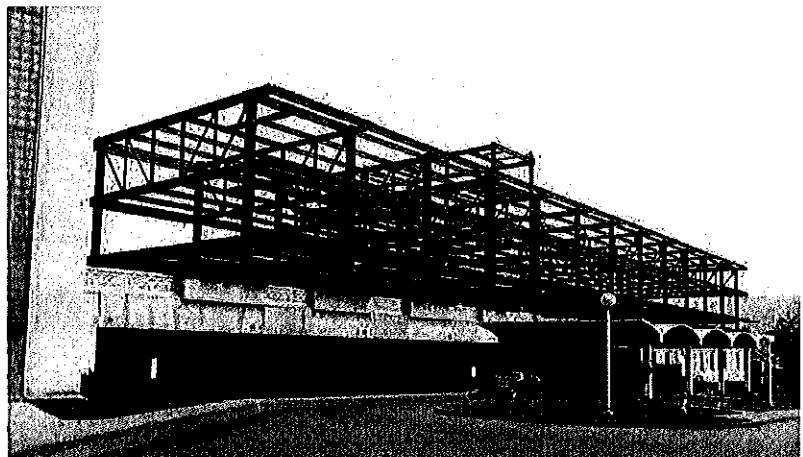
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513.745.6271

Mary Tracy, Coordinator of Campus Facilities
College of Mount St Joseph
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Cincinnati, OH 45233-1670
513.244.4327

Robert G. Keller, University Architect & Campus Planner
Miami University
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Oxford, OH 45056
513.529.2359





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318 Lee St. W
Charleston, WV 25302
304.346.7307
TReece@rcgeneral.com

MAYNARD C. SMITH CONSTRUCTION INC.

John Strickland, President
3410 Chesterfield Avenue
Charleston, WV 25304
304.925.3228

W.B. FOSSON Co.

Charlie Tennant, President
3321 Winchester Avenue
Ashland, KY 41105
606.325.4673

JARRETT CONSTRUCTION COMPANY

John Jarrett
P.O. Box 5250
Charleston, WV 25301
304.344.9140

NEIGHBORGALL CONSTRUCTION

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Vice President of Administration
1216 Seventh Avenue
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crn4@neighborgall.com

