CEOI 0603
ADJ2000000006
Building 215 Medical Wing Renovation Camp Dawson
April 16, 2020

ZACHWIEJA WORKMAN ARCHITECTS

H.F. LENZ COMPANY

	Purchasing Divison **2019 Washington Street East** **Post Office Box 50130** **Charleston, WV 25305-0130**	**State of West Virginia** **Centralized Expression of Interest** **02 — Architect/Engr**

Proc Folder: 700460

Doc Description: Addendum No. 1 Bldg. 215 Medical Wing Renovation Camp Dawson

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2020-03-23	2020-04-16 13:30:00	CEOI 0603 ADJ2000000006	2

BID RECEIVING LOCATION

BID CLERK
DEPARTMENT OF ADMINISTRATION
PURCHASING DIVISION
2019 WASHINGTON ST E
CHARLESTON WV 25305
US

VENDOR

Vendor Name, Address and Telephone Number:

Zachwieja Workman Architects/Consultants, Inc.
P.O. Box 11603
Charleston, WV 25339
304.346.5361

FOR INFORMATION CONTACT THE BUYER

Tara Lyle
(304) 558-2544
tara.l.lyle@wv.gov

Signature X _____ **FEIN #** 83-0789520 **DATE** April 14, 2020

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION:

Addendum No. 1 - to extend the bid opening from 04/02/2020 to 04/16/2020. The bid opening time remains at 1:30 pm.

****

* Online submissions of Expressions of Interest are Prohibited*

INVOICE TO	SHIP TO
DIVISION ENGINEERING & FACILITIES ADJUTANT GENERALS OFFICE 1707 COONSKIN DR CHARLESTON WV25311 US	FACILITY MAINTENANCE MANAGER CAMP DAWSON ARMY TRAINING SITE 240 ARMY RD KINGWOOD WV 26537-1077 US

Line	Comm Ln Desc	Qty	Unit Issue
1	Building 215 Medical Wing Renovation Camp Dawson	0.00000	

Comm Code	Manufacturer	Specification	Model #
81101508			

Extended Description :

Provide professional architectural and engineering design services per the attached documentation.

SOLICITATION NUMBER: CEOI ADJ2000000006
Addendum Number: 1

The purpose of this addendum is to modify the solicitation identified as CEOI ADJ2000000006 ("Solicitation") to reflect the change(s) identified and described below.

Applicable Addendum Category:

[X] Modify bid opening date and time

[ ] Modify specifications of product or service being sought

[ ] Attachment of vendor questions and responses

[ ] Attachment of pre-bid sign-in sheet

[ ] Correction of error

[ ] Other

Additional Documentation:

1. The bid opening has moved from 04/02/2020 to 04/16/2020. Bid opening time remains at 1:30 pm.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.

2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI ADJ2000000006

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

[X]	Addendum No. 1	[ ]	Addendum No. 6
[ ]	Addendum No. 2	[ ]	Addendum No. 7
[ ]	Addendum No. 3	[ ]	Addendum No. 8
[ ]	Addendum No. 4	[ ]	Addendum No. 9
[ ]	Addendum No. 5	[ ]	Addendum No. 10

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that 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.

Zachwieja Workman Architects/Consultants, Inc.
Company

Authorized Signature

4/14/2020
Date

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

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Vivian A. Workman, AIA Principal

(Name, Title)

Vivian A. Workman, AIA Principal

(Printed Name and Title)

PO Box 11603 Charleston, WV 25339

(Address)

office - 304.346.5361 cell - 304.993.7887

(Phone Number) / (Fax Number)

vivian@zwarchitecture.com

(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

Zachwieja Workman Architects/Consultants, Inc.

(Company)

Principal

(Authorized Signature) (Representative Name, Title)

Vivian A. Workman, AIA Principal

(Printed Name and Title of Authorized Representative)

4/14/2020

(Date)

office - 304.346.5361 cell - 304.993.7887

(Phone Number) (Fax Number)

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

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

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

DEFINITIONS:

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

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (*W. Va. Code* §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Zachwieja Workman Architects/Consultants, Inc.

Authorized Signature: _____ Date: 4-14-2020

State of West Virginia

County of Kanawha, to-wit:

Taken, subscribed, and sworn to before me this 14 day of April, 2020

My Commission expires May 12, 2024

AFFIX SEAL HERE

TRACY DAWN BELCHER
Notary Public Official Seal
State of West Virginia
My Comm. Expires May 12, 2024
505 D Street South Charleston WV 25303

NOTARY PUBLIC Tracy Dawn Belcher

ZACHWIEJA
WORKMAN
ARCHITECTS

Architecture/Planning
Design/Facility Assessment
Construction Services

April 14, 2020

Division Engineering & Facilities
Adjunct Generals Office
1707 Coonskin Dr
Charleston, WV 25311

RE: CEOI 0603 ADJ000000006
Building 215 Medical Wing Renovation Camp Dawson

To whom it may concern,

We are pleased to present our expression of interest and statement of qualifications for the proposed. Please consider this cover letter as an executive summary of the expression as well.

Zachwieja Workman Architects is the leading healthcare architecture firm in the state of West Virginia with continuous clients as far back as 1945. We have an excellent reputation of providing quality design and construction period services to our clients that not only meets but exceeds their needs. We are conveniently located in Charleston, West Virginia and provide services for West Virginia and the surrounding states. ZWA has helped to shape the identity of healthcare and expectations of what healthcare means throughout our region. As you can see in our project experience, we have completed numerous projects for a handful of clients. With that in mind, we believe that we build not only buildings but relationships with our clients that stand the test of time.

H.F. Lenz is a firm with a record of outstanding performance and longevity. Headquartered in Johnstown, Pennsylvania, they have experience across a wide variety of projects and specifically with healthcare and Department of Defense. They bring a high level of expertise to our team in the structural, mechanical, plumbing and electrical design. Together Zachwieja Workman Architects and H.F. Lenz form a team with the experience and knowledge for a successful project.

The project goals as stated in the Expression of Interest note that this is to be a renovation of an existing structure to ensure code compliance and current force protection standards. As firms, we routinely deal with clients needing to renovate existing hospital facilities for new uses. We have an excellent working relationship with the local Authorities Having Jurisdiction in regards to code compliance and knowledge. Our team routinely works on renovation projects, some in buildings

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zwarchitecture.com

close to a century old and some that were even designed by our firm during it's inception.

One of the areas we pride ourselves upon is the quality of our documents. We can work with you to remove alternate bid items. This is where our experience with the local construction market and knowledge of materials comes into play and to your benefit.

We look forward to presenting to you, in person, our qualifications. We can discuss in-depth your needs and specifically what our team can do to help you accomplish your goals for this project.

Sincerely,

Vivian A. Workman AIA, NCARB

Principal, Zachwieja Workman Architects

Table of Contents

About Zachwieja Workman Architects

Times and names may have changed, but the core values of quality service, expertise, accuracy and functional relevance still remain the same. Founded in 1945 as Vecellio and Kreps, Zachwieja Workman Architects has provided outstanding professional services to its clients.

Zachwieja Workman Architects is the only design firm in the State of West Virginia dedicated primarily to the Healthcare Industry and other complex building solutions, producing over 3,000 projects for only a handful of clients. We bring a level of expertise and knowledge to our clients that help them enhance the way they do business.

Design Services

The Zachwieja Workman Architects Experience is based upon in-depth knowledge, passion and excitement. We listen. We address your requirements and your constraints and tailor a specific approach for you. Our unique problem solving process generates exciting new solutions while building consensus among stakeholders.

Zachwieja Workman Architects offers the following Services:

- Master Planning
- Facility Assessment
- Planning
- Programming
- Design
- Equipment Planning
- Scheduling
- Construction Coordination
- Code Review
- Facility Optimization

Company Legal Name

Zachwieja & Workman Architects/ Consultants, LLC

Location of Incorporation

West Virginia

Principal Officers

Mark T. Zachwieja, Principal in Charge

Board of Directors

Mark T. Zachwieja, President

Location of Offices

Charleston, WV

Number of Employees per Office

Zachwieja Workman Architects currently employs 5 design professionals:

Breakdown of Employees by Discipline

Architects 2
CAD Technicians.....1
Planners/Designers.....1

We offer full service capabilities to enable the you, the client, to have a consistent team 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 Zachwieja Workman Architects, we are with you every step of the way. And it is our goal to incorporate the following principals into our work for you:

Innovative Solutions – Measurable Results

Complex projects need an integrated process that establishes priorities, tests their validity, analyzes their market depth, and apply a flexible, responsible facilities planning solution.

Comprehensive Planning Recommendations

A solid facility planning solution should integrate the strategic objectives of an organization, respond to solid planning parameters, support streamlined operations, and plan for flexible integration of rapidly changing technologies.

Energized Process

Fun and creativity are linked, and they make for surprising outcomes. We believe that the most unique solutions are formed when a group of diverse individuals are fully engaged.

Vision

We build on your vision. You provide the inspiration.

3-D Animation and Renderings

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

COMPANY LEGAL NAME
H.F. Lenz Company

Johnstown Headquarters
1407 Scalp Avenue
Johnstown, PA 15904
Phone: 814-269-9300
Fax: 814-269-9301

Pittsburgh Office
1051 Brinton Road
Pittsburgh, PA 15221
Phone: 412-371-9073

CENTRAL PENNSYLVANIA OFFICE
549 NORTH MINE ROAD
LEBANON, PA 17042
PHONE: 717-461-3916

OHIO OFFICE
322 STATE STREET
CONNEAUT, OH 44030
PHONE: 440-599-7800
FAX: 440-599-7801

CONNECTICUT OFFICE
101 CENTERPOINT DRIVE
SUITE 237
MIDDLETOWN, CT 06457
PHONE: 860-316-2124

ABOUT H.F. LENZ COMPANY

H.F. Lenz Company was established 1946 in its present form, under the name H.F. Lenz Company, R.E., and in 1953 the company was incorporated, as a Private Corporation, in Pennsylvania as H.F. Lenz Company. Our projects span the nation, with the heaviest concentration in the Northeast, and exceed $530 million in MEP, Civil and Structural construction annually. Each market sector—corporate, government, health care, education, and industry—is served by a team of specialists who understand the unique needs of the clients they serve. Our staff consists of 160+ individuals, including 49 Licensed Professional Engineers and 20 LEED Accredited Professionals. Our headquarters is in Johnstown and Lebanon, Pennsylvania with branch offices in Pittsburgh, Pennsylvania Conneaut, Ohio, and Middletown, Connecticut.

DISCIPLINES/SERVICES OFFERED IN-HOUSE INCLUDE:

Mechanical Engineering

- Electrical Engineering
- Data/Communications Engineering
- Fire Protection / Life Safety Engineering
- Structural Engineering
- Civil Engineering
- Surveying
- GIS

Construction Phase Services

- Commissioning and Training
- 3D CADD with Full Visualization
- Energy Modeling
- Sustainable design/LEED Services
- Building Information Modeling (BIM)

Medical Facilities and Clinics

Our Healthcare Team's responsiveness and technical expertise has led to the development of long-term business relationships with many health care clients. Our team's experience includes new construction, renovation projects, and evaluations and studies. Our projects range from renovations of individual departments, to modifying or replacing building-wide mechanical,

electrical, and fire protection/life safety systems to the new construction of full service acute care hospitals.

The Department of Veterans Affairs is a prime example of one of our partnering relationships. Our firm has been working with the DVA since the 1970s and has provided the engineering design for over two million sq.ft. of new and renovated space with a total construction value in excess of $300 million. Our team is up-to-date with the current VA criteria as we continue to use it for on-going projects. VA criteria is typically more stringent than FGI guidelines and other resources and often is discussed with the facility engineers before proceeding with design. Our experience includes medical clinics, outpatient centers, and new construction and infrastructure upgrades for VA Medical Centers in Pennsylvania, West Virginia and New York.

DOD FACILITIES EXPERIENCE

The team that will serve on this contract is comprised of dedicated, multi-discipline individuals, many of whom have been working together for over a decade. Together they have taken on the challenges of numerous high profile, complex projects and have derived workable, cost-effective solutions that have met the objectives of the client.

H.F. Lenz Company has provided engineering services for over $100 million of construction for the Baltimore Corps of Engineers over the past 20 years including 7 indefinite delivery-type contracts and 11 new reserve centers, several of which were in West Virginia.

Our experience also includes the PA Army National Guard, Crane Readiness Center Rehabilitation project completed in 2015, and the PA Army National Guard, New Castle Readiness Center Rehabilitation, completed in 2018. We also recently awarded a project for the PA Army National Guard, Clearfield Readiness Center, which is just beginning design.

In addition, we have held six consecutive term contracts for Letterkenny Army Depot under which we have completed more than 100 projects requiring a variety of engineering expertise throughout the base.

Our experience at Camp Dawson includes the MEP/FP engineering services for the design of three new billeting facilities. The facilities were designed to resemble small, upscale hotels. Each facility consisted of eight sleeping rooms with full baths, a common gathering area with fire place, and a full kitchen. The project included the design of the heating, cooling, ventilation, lighting, power, fire alarm, telecommunications, fire protection, plumbing, and natural gas service. Each sleeping room had individual heating and cooling control.

Concept

General Project Philosophy

To respond to the challenges and opportunities presented by your project, Zachwieja Workman Architects will assemble a uniquely qualified group of design professionals. We will 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/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 the alternatives.
- 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 Your Facility money.

Process: A Planned Approach

Consensus Building/Communication

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.

Ability to Provide Services

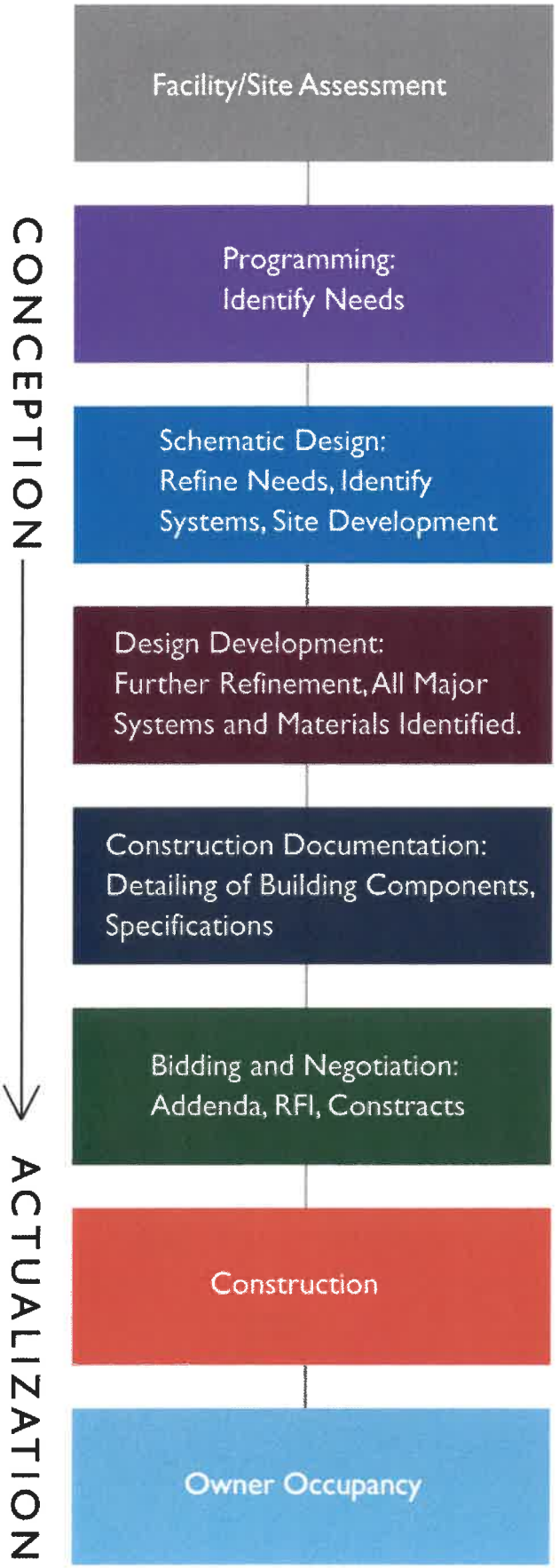
While our office is conveniently located in Charleston, West Virginia, we routinely travel to numerous clients in the tri-state area and within our region.

Project Delivery/Budgeting

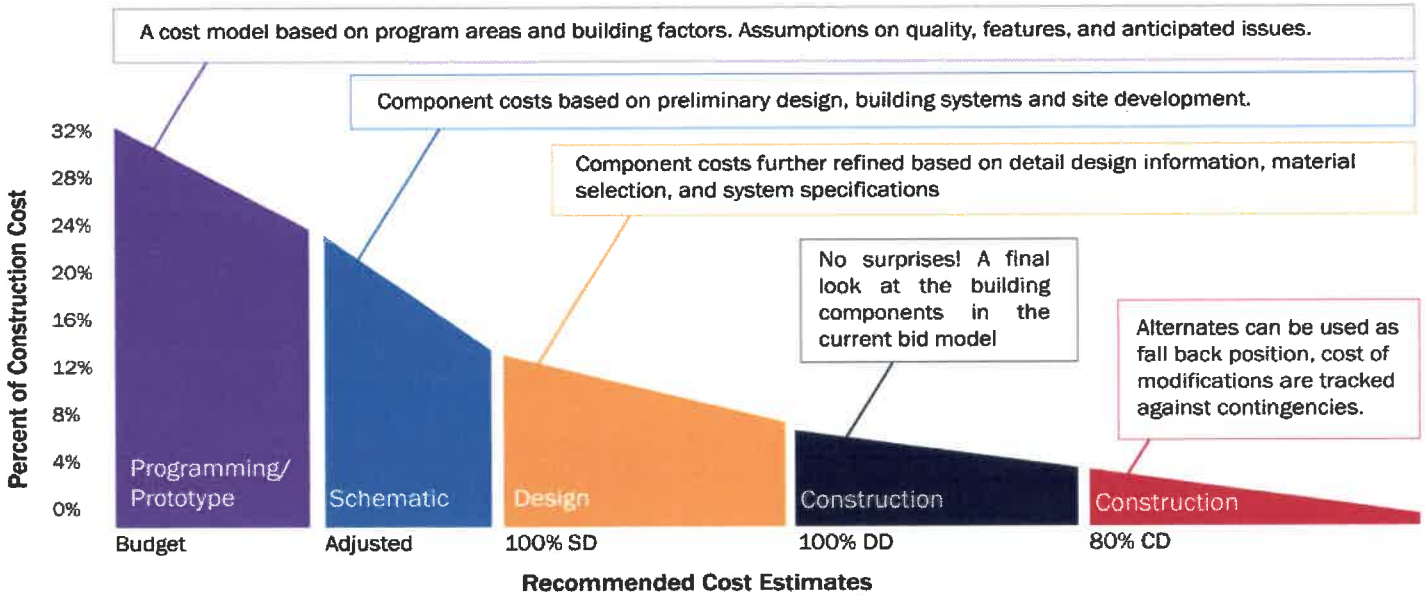
Our Design approach is simple and uncomplicated. We are primarily driven to listen to you and meet your needs. That's it. Our intent is to speed your project to market using an integrated project delivery method that we've been using quite successfully over the years.

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



DESIGN PHASES COST REDUCTION POTENTIAL



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

Permitting/Regulatory Approvals

Federal and State Departments

Zachwieja Workman Architects 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. Zachwieja Workman Architects considers federal, state and local agencies as part of the project team throughout the design and construction phases of the project. Through this approach, we have developed a successful working relationship with the governing agencies and possesses exhaustive knowledge of both building code and licensure requirements. This includes working with the West Virginia State Fire Marshal's Office and the West Virginia Department of Health and Human Resources (DHHR/ OHFLAC) and with their respective counterparts in other states.

Work with HUD and USDA

Our Team has worked successfully with various funding agencies to produce award winning projects for numerous facilities. We were the Architects for the largest single project funded by the WV USDA: a new 25-bed total replacement facility for Boone Memorial Hospital. This $35 million total financial package was the complete replacement of the existing 50+ year old facility. Re-utilization of the existing structure was examined but, after considering how future technology could adversely be impacted, it was decided to replace. Previously, we completed a $6.3

million expansion for Summersville Regional Medical Center that was partially financed and funded thru the USDA - RD, an award-winning $1.7 million expansion with Wetzel County Hospital (USDA) and an AIA award-winning design for the Robert C. Byrd Rural Health Clinic on the West Virginia School of Osteopathic Medicine Campus in Lewisburg, WV (HUD). We understand the specific requirements from these agencies and can successfully combine them into our documents.

Adherence to Established Timelines - Schedule

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

LEED/Sustainable Design

New thoughts on how buildings impact our environment have lead many to seek a more sustainable way of construction. One of the challenges in this new way of thinking is up-front cost. We have introduced many of our clients to high performance building envelopes and systems that are not only energy efficient but aesthetically pleasing. Our team has also presented clients with campus masterplans that utilize stormwater retention ponds and green areas with hiking and biking trails. Dealing in the Healthcare industry, we understand the need for low VOC materials and improved indoor air quality as imperative to our clients and their customer's health.

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

Vecellio & Kreps (c.1960)

Kreps & Kreps (c. 1996)

Zachwieja Workman Architects (future)

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:

Creating an Iconographic Image

Community Involvement

Technology

Sustainability

Flexibility

Growth and Expansion

Longevity

Award Winning Design

Successful Projects can incorporate a multitude of these ideals in a harmonious way. They 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.

Boone Memorial Hospital

Madison, WV

Zachwieja Workman Architects was selected to be the Architect of Record for the Critical Access replacement hospital. This 78,892sf facilty, fully completed in July 2017, was constructed adjacaent to the still operational existing hospital. Sequencing the project to ensure continuity of care was a challenge that required numerous carefully coodinated phases. Construction cost were estimated at $25.3 Million. Highlights include a 25-bed Nursing Unit, Emergency Department, Imaging Department including an MRI and CT scanner, Endoscopy/Operating Department, Physical and Cardiac Therapy, on-site Pharmacy and Lab.

Concept Rendering February 2014

Ground Breaking August 2014

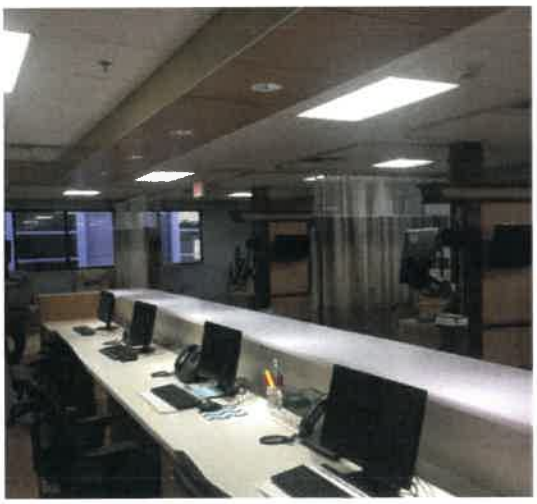
Ribbon Cutting December 2016

The Project was totally funded through the USDA and was the largest award in the history of the State of West Virginia.

King's Daughters Medical Center

Ashland, Kentucky

Over the last 15+ 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 it's 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 (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.



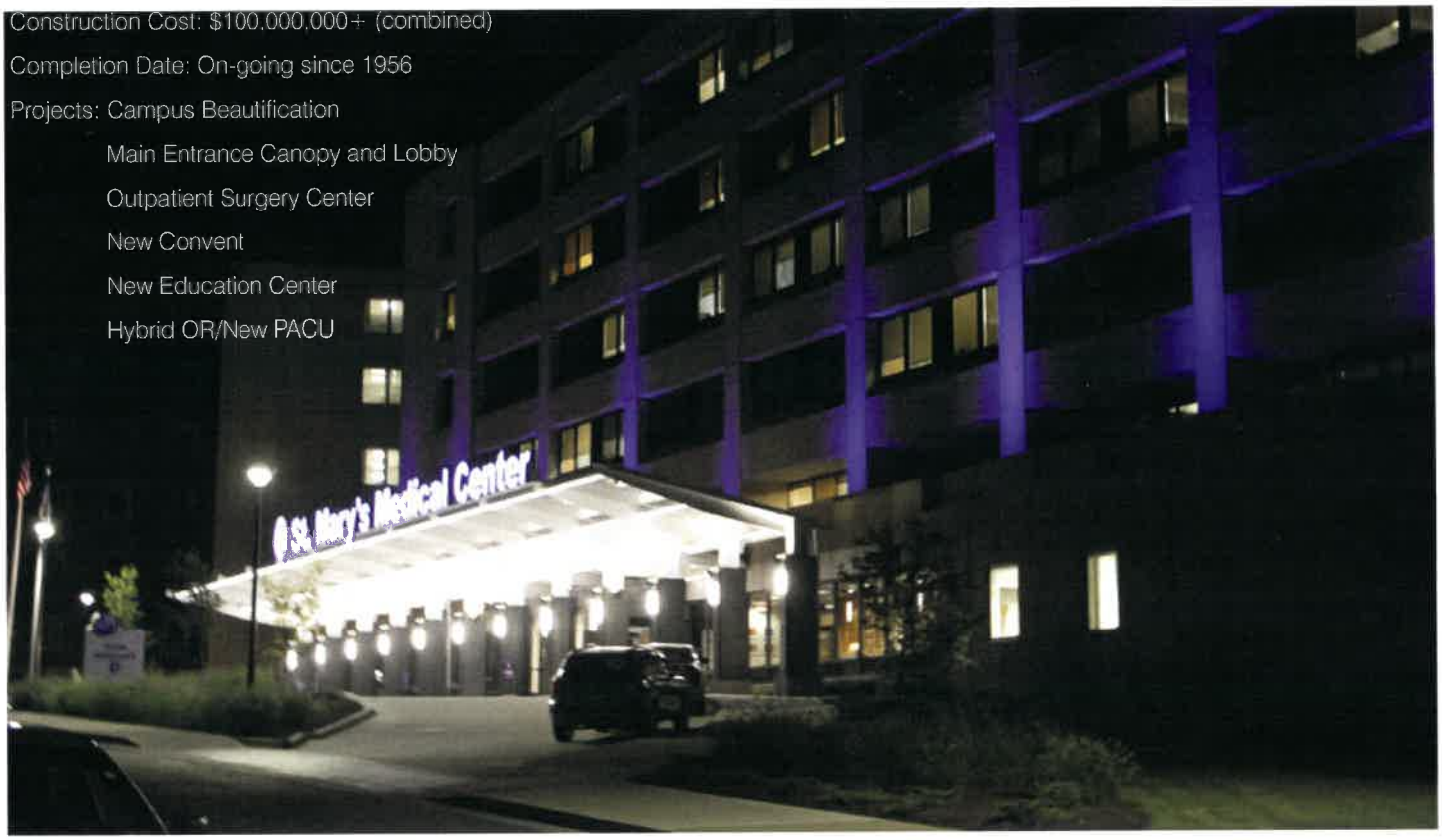
King's Daughters Medical Center

Ashland, Kentucky

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.

St. Mary's Medical Center

Huntington, West Virginia



Construction Cost: $100,000,000+ (combined)
Completion Date: On-going since 1956
Projects: Campus Beautification
Main Entrance Canopy and Lobby
Outpatient Surgery Center
New Convent
New Education Center
Hybrid OR/New PACU

In 1960 a project that could be classified as our first major addition to the hospital was completed. The 6-story East Building project began a relationship that has lasted for over 60 years and has lead to other work within the Pallotine Mission Healthcare Organization. The hospital once again underwent major construction in the 1970's thru 1990's with a replacement hospital and a new patient bed tower. This changed the face of the hospital and provided them with a new facility to match their state-of-the-art care, which continues to this day. The tower, currently being converted to all private patient rooms, overlooks the river and integrates the healing environment with that of nature. These building still serves their needs of the hospital today. The Outpatient Surgery Center increased cardiovascular services for outpatient and provided the hospital with much needed medical office space. Work continues to expand the facility's service lines with current renovations and new construction including an infill project for a new Hybrid Operating Room.

St. Mary's Medical Center

Huntington, West Virginia

Recently completed is the New Front Entrance Canopy. Light and airy, this new design allows more daylight to enter into the building while expanding the drive lanes to 3.

Thomas Memorial Hospital

South Charleston, West Virginia

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

Wetzel County Hospital

New Martinsville, West Virginia

Construction Cost: $2,400,000
Completion Date: 2010
Size: new - 2,680 SF
reno - 93,620 SF

Construction began in Spring 2009 for the expansion and renovation of the Emergency Department. The existing department was a 4-room unit housed in 1,750 sf. The 2-phase expansion and renovation project increased the number of rooms to 9 private treatment rooms including trauma, cardiac, gynecology, orthopedic/suture, and isolation rooms along with 3 dedicated triage rooms in 6,300 sf of space. Other upgrades include a new walk-up entrance, a separate ambulance dock, new nurse station and ancillary support spaces, dedicated waiting room and a family room. The project also involved a new heliport and helicopter support building plus other miscellaneous hospital improvements. More importantly, the new design enabled WCH to double their number of E.D. visits in the first year. In late September 2010 WCH was recognized by Amerinet as one of the three national winners of the "Community Impact and Innovation Award" given annually.

Marshall University Smith Hall

Huntington, West Virginia

Recently completed is the complete window and sanitary stack replacement for Smith Hall, Smith Music and Smith Communications. Replacement of the original windows with newer more thermally efficient system involved significant investigation into an appropriate system that could be retrofitted into the existing structure without significant changes to the appearance of the building. Documents were produced on a very tight schedule and the phased project is currently on schedule for a phase I completion this summer and a phase II next year. Adding to the difficulty in of this project is the retrofit for new window system and the need to complete the classroom window replacement and sanitary piping replacement portions of the work in the main tower during the summer when classes are not in session. Photographic renderings of multiple options for window system options allowed the owner to make a quick decision on style and color for the completed glazing system.

Through careful coordination and standardization of design, KZA was able to cut the project duration to just one building shut-down and substantial savings to the owner.

Ned Chilton 911 Center

South Charleston, West Virginia

Construction Cost: $3,800,000

Completion Date: 2005

Size: 13,000SF

This 13,000 square foot facility houses the Ned Chilton 911 Center and the G. Kemp Melton Emergency Operations Center for Kanawha County. It is located on the southern boundary of Charleston, West Virginia, and serves nearly every community in Kanawha County. Along with advanced communications and security systems, the building also features a sub-surface geothermal heating and cooling system that is resistant to terrorist attack and acts of nature.

Hospice of Huntington

Huntington, West Virginia

Design started in 2004 for the State-of-the-Art Emogene Dolin Jones Hospice House located in Huntington, West Virginia. Key design considerations included a sense of home, a family atmosphere, and a sense of peacefulness. The facility features 14 rooms, 8 of which open to covered patios overlooking the Ohio River while the remaining 6 overlook the facilities gardens.

Hubbard Hospice House

Charleston, West Virginia

The first Hospice House in WV, the Hubbard Hospice House was completed in 2001 and expanded in 2005. Currently the facility has 24 bedrooms, 2 of which are set up as pediatric rooms.

With this being the first of it's kind in the State of West Virginia, we worked closely with the Authorities Having Jurisdiction to help develop the guidelines for Hospice Facilities in the state.

Mount Nittany Medical Center

State College, Pennsylvania

NEW 12.47 KV ELECTRICAL SERVICE

H.F. Lenz Company was hired by Mount Nittany Medical Center to investigate the feasibility of restructuring the way they buy power from Allegheny Power Company. The Medical Center was buying 480 volt power from the utility at the schedule 30 rate. The study considered different options and presented a way for the Medical Center to restructure their electrical service to purchase 12.47 kV medium voltage power with the lower priced schedule 40 rate.

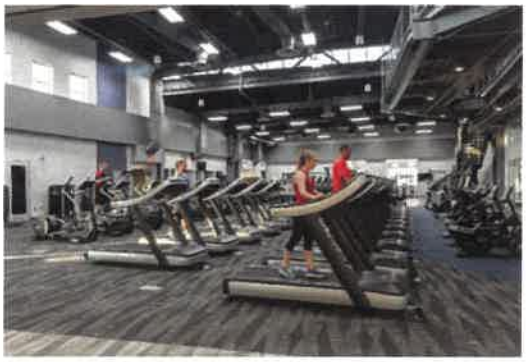
H.F. Lenz Company was authorized to proceed with the design phase of the project, which entailed the reconfiguration of the electrical distribution system and to replace the existing secondary service arrangement. The project involved the Medical Center purchasing new double-ended 15 kV switchgear to be located on their property. The new switchgear is fed from two service drops from the utility's 12.47 kV overhead distribution lines. The switchgear then feeds five 12.47 kV 480/277V transformers (four new, one purchased from the utility) for the building through an underground 15 kV distribution ductbank. The secondary services from the five transformers feed existing switchboards within the building.

The new system features the following advantages:

- Construction was able to be funded by the cost savings resulting from the lower priced power
- Replaced aging underground cables
- Replaced aging and overloaded transformers
- Standardized transformers size (1500 kVA)
- Configured for future redundant service and feeders
- Allows for future expansion
- Begins to create a campus 12.47 loop

SIGNET ENTERPRISES

Bloomington, Illinois



NEW MCO HEALTH AND WELLNESS CENTER

H.F. Lenz Company provided the mechanical, electrical, plumbing, and fire protection engineering services for a new $25 million, 105,000 sq.ft. Health and Wellness Center.

The new center is a partnership between Advocate BroMenn Medical Center, McLean County Orthopedics (MCO), Sequoia Wellness (Integrated Wellness Partners) and Method Sports Performance. The approximately 105,000 BGSF building contains clinical services, physical therapy, medical offices, medical fitness, conference, sports performance, track and aquatic facilities.

The building was designed to provide separate utility metering for the multiple tenants in the facility. The MEP systems are designed with flexibility to adjust for changes in future space distribution changes. The swimming pool area has separate utility services for the pool and domestic hot water heating due to the high load requirements for pools and locker room facilities.

The primary HVAC systems are gas-fired DX rooftop units with VAV distribution systems with supplemental hot water heating coils using high efficiency hot water boilers. The rooftop units are zoned to serve respective tenant spaces and specified for consistent configuration for sustainability and maintainability. An on-site generator provides emergency power for life safety systems, heating system, and other critical systems.

Date of Services: 2016

Signet Enterprises

Akron, Ohio

NEW ORTHOPEDIC OUTPATIENT SURGERY REHABILITATION CENTER

H.F. Lenz Company provided the mechanical, electrical, plumbing, and fire protection engineering services for a new 45,000 sq.ft. Outpatient/Ambulatory Surgery Center facility.

The project merged an Orthopedic Center (Medical Office Building (MOB) and Ambulatory Surgery Center (ASC)). The catalyst for the project was the consolidation of four facilities into one comprehensive new facility that recognized staffing, operating, and occupancy savings and efficiencies while centralizing surgical, imaging, and rehabilitation modalities.

The project consisted of a comprehensive healthcare and professional office facility which included approximately thirty (30) exam rooms, four (4) x-ray units, one (1) MRI unit, two (2) operating rooms, and one (1) procedure room. A large Physical Therapy Room provides Occupational and Physical Therapy rehabilitation services along with ongoing wellness support.

The Medical Office Building (1st Floor) and Ambulatory Surgery Center (2nd Floor) are a single structure, designed to blend the two individual components together to create one distinct building, providing the most economical and functional space needed to best serve and deliver the highest level of orthopaedic services to the community.

The Outpatient/Ambulatory Surgery Center contains a full service radiology program to support all the medical functions.

The Radiology areas included in this project are:

- Radiology Suite consisting of four (4) rooms, three (3) Digital Radiography and one (1) CT, and support spaces
- MRI Suite including MRI room, Control room, Equipment room, waiting area and support spaces

The other areas in the facility include:

- Exam rooms, Cast rooms
- Physical Therapy, Occupational Therapy workout and administrative spaces

The $10 million project was completed in 2014.

VETERANS AFFAIRS MEDICAL CENTER

Clarksburg, West Virginia

BEHAVIORAL HEALTH WING 4A & C RENOVATION

H.F. Lenz Company recently completed MEP and structural engineering design services for the renovation of existing wing 4A and C at the VAMC Clarksburg. The project renovated about 15,000 sq.ft. of existing original Building 1 patient areas into a current Behavioral Health Outpatient services space. The space was completely gutted and reworked to provide patient exam rooms, group rooms, office and conference room space, and support services.

The MEP work included complete demolition of all existing systems including the piping below the floor, a new AHU serving the entire space with new air distribution and terminal VAV boxes, new plumbing fixtures and piping, new sprinkler systems, and new lighting, power, and telecommunications systems.

The utility systems were taken from existing risers and distribution equipment available within or near the spaces. A new steam to hot water heat exchanger system was installed to serve the area under this project and also for the future area 4B renovation, which we are currently working on and is in the schematic design phase.

Construction was completed in 2014. The construction cost was $3.7 million.

BEHAVIORAL HEALTH WING 4B RENOVATION

H.F. Lenz Company completed MEP and structural engineering design services for the renovation of existing wing 4B at the VAMC Clarksburg. The project renovated about 16,000 sq.ft. of existing original Building 1 patient areas into a current Behavioral Health Outpatient services space. The space was completely gutted and reworked to provide patient exam rooms, group rooms, office and conference room space, and support services.

The MEP work included complete demolition of all existing systems including the piping below the floor, extended the HVAC from the AHU installed in 4A & C with new air distribution and terminal VAV boxes, new plumbing fixtures and piping, new sprinkler systems, and new lighting, power, and telecommunications systems.

The utility systems were taken from existing risers and distribution equipment available within or near the spaces. Hot water was extended from area 4A & C renovation.

Construction was completed in 2014. The construction cost was $5.8 million

Veterans Affairs Medical Center

Lebanon, Pennsylvania

NEW BEHAVIORAL HEALTH OUTPATIENT FACILITY

H.F. Lenz Company provided the engineering services including commissioning for a new 17,000 sq.ft. Behavioral Health Outpatient Facility.

The space program consisted of exam rooms, classrooms, group conference rooms, work rooms, office space and support spaces.

The MEP work included demolition of two existing buildings on the future site, a new geothermal ground source heat pump system with central AHU, and a VAV chilled beam distribution system. A solar domestic hot water system was evaluated but was not selected.

An energy model and life cycle cost analysis are being conducted to determine the optimum efficient systems.

The building is designed to attain LEED Silver, at minimum.

The $7.5 million project was completed in 2015.

Medical Office Buildings and Clinics Examples

Various Locations

OPHTHALMIC ASSOCIATES
Johnstown, Pennsylvania

- New 8,600 sq.ft. Optometry Clinic housing medical clinics, optometry clinic, administrative spaces, radiological spaces, laboratories, and operating rooms

WEST VIRGINIA UNIVERSITY HEART INSTITUTE Building 600 Suncrest Towne Centre, Morgantown, West Virginia

- Design/build 30,000 sq.ft. medical office building
- Tenant fit-up of 15,000 sq.ft. for the WVU Heart Institute
- Remaining 15,000 sq.ft. of the building consists of medical office space

MARTINSBURG MEDICAL OFFICE BUILDING, TRI-STATE PROFESSIONAL COMPLEX Martinsburg, West Virginia

- New 42,000 sq.ft. medical office building
- 11,660 sq.ft. expansion

ALTOONA REGIONAL HEALTH SYSTEM
Altoona, Pennsylvania

Station Medical Center:

- New outpatient center constructed as a 10,000 sq.ft. addition and 45,000 sq.ft. renovation at a former mall

New Outpatient Center and Atrium:

- New seven-story, 153,000 sq.ft. hospital addition to house outpatient services

CONEMAUGH HEALTH SYSTEM
Johnstown, Pennsylvania

- 1111 Franklin Street: Women's Health Center
- Nursing Care Center MEP evaluation
- Lee Campus Walnut Building Medical Office Renovations
- Lee Campus Locust Street Medical Office Building Renovations
- Building E Medical Office Building Renovations

SOMERSET MEDICAL OFFICE BUILDING

- Convert Rite Aid Building into Medical Office Building

RICHLAND CARE CENTER Johnstown, Pennsylvania

- Renovations

EAST HILLS PROFESSIONAL BUILDING
Johnstown, Pennsylvania

- Renovations

GOOD SAM MEDICAL ARTS BUILDING
Johnstown, Pennsylvania

- Oncology Center

WESSEL BUILDING Johnstown, Pennsylvania

- Renovations for medical office spaces

EBENSBURG CARE CENTER
Ebensburg, Pennsylvania

- Ultra Sound Room
- X-Ray Room

EARS NOSE AND THROAT (ENT) ASSOCIATES Johnstown, Pennsylvania

- 10,000 sq.ft. renovations of office building

NASON HOSPITAL Roaring Spring, Pennsylvania

- Medical Office Building Renovation
- New Wound Clinic

WESTMORLAND REGIONAL HEALTH SYSTEM Greensburg, Pennsylvania

Medical office building renovations

UPMC MURTHA CANCER CENTER
Johnstown, Pennsylvania

- Oncology Center

MOUNT NITTANY MEDICAL CENTER
State College, Pennsylvania

- Medical Science Building renovations

THE MEDICAL CENTER Beaver, Pennsylvania

- New 18,524 sq.ft. Outpatient Surgery and Cardiac Catheterization Laboratory Addition

WHEELER FAMILY MEDICAL CENTER, SOMERSET HOSPITAL Somerset, Pennsylvania

- New 46,000 sq.ft. facility

NEW AMBULATORY SURGERY CENTER, HAMOT MEDICAL CENTER
Erie, Pennsylvania

- New 28,000 sq.ft. ambulatory surgery center
- New 12,000 sq.ft. addition

MEDWELL URGENT CARE FACILITY
Ebensburg, Pennsylvania

- 4,000 sq.ft. outpatient medical facility

MEDWELL URGENT CARE FACILITY, WESTWOOD PLAZA Johnstown, Pennsylvania

- Fit-out of 3,700 sq.ft. in an existing shopping center

NEW SURGI-CENTER/OUTPATIENT MEDICAL BUILDING, CHILDREN'S HOSPITAL OF PITTSBURGH
Pittsburgh, Pennsylvania

- New 57,000 sq.ft. surgery center and medical office building

PLASTIC SURGICAL ASSOCIATES NEW MEDICAL OFFICE BUILDING
Johnstown, Pennsylvania

- New 5,700 sq.ft. medical facility

Department of Defense Facilities

Various Locations

U.S. ARMY CORPS OF ENGINEERS, BALTIMORE

ARMY RESERVE AVIATION FACILITY Johnstown, Pennsylvania

- New 120,000 sq.ft. multi-building complex including an armed forces reserve center and an aviation maintenance shop

ARMY RESERVE CENTER Beckley, West Virginia

- New 300-member reserve center with training building and maintenance shop

ARMY RESERVE CENTER Morgantown, West Virginia

- New 300-member reserve center with training building and maintenance shop

ARMY RESERVE CENTER Wheeling, West Virginia

- New 284-member reserve center with training building and maintenance shop

ARMY RESERVE CENTER Rainelle, West Virginia

- New 200-member reserve center with training building and maintenance shop

ARMY RESERVE CENTER Weirton, West Virginia

- New 200-member reserve center with training building and maintenance shop

ARMY RESERVE CENTER Brownsville, Pennsylvania

- New 200-member reserve center with training building and maintenance shop

ARMY RESERVE CENTER Johnstown, Pennsylvania

- New 200-member reserve center with training building and maintenance shop

ARMY RESERVE CENTER Kingwood, West Virginia

- Maintenance shop

ARMY RESERVE CENTER Grantsville, West Virginia

- New 100-member reserve center with training building and maintenance shop

ARMY RESERVE CENTER Elkins, West Virginia

› New 60-member reserve centers with training building and maintenance shop

MORLOCK ARMY RESERVE CENTER Pittsburgh, Pennsylvania

- HVAC modifications

COPELY ARMY RESERVE CENTER Oil City, Pennsylvania

- Boiler addition

STEELE ARMY RESERVE CENTER Pittsburgh, Pennsylvania

- Complete HVAC system replacement

CAMP DAWSON Kingwood, West Virginia

- Three new billeting facilities

LETTERKENNY ARMY DEPOT Chambersburg, Pennsylvania

- Six indefinite-delivery contracts for mechanical, electrical, civil, and structural engineering and surveying services

FORT RICHIE Fort Ritchie, Maryland

- Two indefinite-delivery contracts for mechanical, electrical, civil, and structural engineering and surveying services

AMMUNITION PLANT Scranton, Pennsylvania

- Upgrade lighting system in production shop

911 AIRLIFT GROUP, GREATER PITTSBURGH INTERNATIONAL AIRPORT
Pittsburgh, Pennsylvania

- Study and design of new Base Civil Engineer Facility
- Indefinite delivery contract for architectural and engineering services

U.S. ARMY CORPS OF ENGINEERS, NORFOLK

WALTER REED ARMY MEDICAL CENTER Washington, D.C.

- Energy engineering analysis program, main hospital building

U.S. ARMY CORPS OF ENGINEERS, PHILADELPHIA

PHILADELPHIA, PENNSYLVANIA

- Tenant fit-up

PA DEPARTMENT OF MILITARY AFFAIRS

FORD CITY ARMORY Ford City, Pennsylvania

- New 24,400 sq.ft. training center with classrooms and kitchen/dining facilities

NAVAL FACILITIES ENGINEERING COMMAND (NAVFAC), NORTHERN DIVISION

NAVAL AIR STATION Lakehurst, New Jersey

- Air conditioning tune-up study

NAVAL SHIP PARTS CONTROL CENTER Mechanicsburg, Pennsylvania

- Administrative facility improvements

NAVAL FACILITIES ENGINEERING COMMAND (NAVFAC), CHESAPEAKE & ATLANTIC DIVISION

NAVAL RESEARCH LABORATORY Washington, D.C.

- Three indefinite delivery contracts for mechanical, electrical, and structural engineering services (Chesapeake Division)

OCEANA NAVAL STATION Virginia Beach, Virginia

- Energy monitoring and control system
- Boiler plant modifications (Atlantic Division)

NAVAL FACILITIES ENGINEERING COMMAND (NAVFAC), SOUTHEAST DIVISION

P-8A INTEGRATED SIMULATION/TRAINING CENTER Jacksonville, Florida

- New $42.5 million, 165,000 sq.ft. operational training facility for a new Multi-Mission Maritime Aircraft (MMA)/P8-A located at the Naval Air Station; Project goal is LEED Gold

DEPARTMENT OF GENERAL SERVICES

PENNSYLVANIA NATIONAL GUARD Johnstown, Pennsylvania

- New 23,560 sq.ft. Regional Maintenance Facility

PENNSYLVANIA ARMY NATIONAL GUARD, 128TH BRIGADE SUPPORT BATTALION

- Renovation of the 26,700 sq.ft. Crane Readiness Center which houses 250 soldiers

PENNSYLVANIA ARMY NATIONAL GUARD, 107TH FIELD ARTILLERY BATTALION

- Rehabilitation of 23,000 sq.ft. New Castle Readiness Center which houses approximately 120 soldiers


PROJECT TEAM STRUCTURE

Camp Dawson Building #215 Medical Wing

Mark T. Zachwieja, AIA
Principal-in-charge

Architectural Team

Vivian A. Workman, AIA
Project Architect

Interior Design

As needed

Engineering Team

H.F. Lenz

Mark T. Zachwieja, AIA
Principal

Principal and President of Zachwieja Workman 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 Mark's leadership, Kreps and Zachwieja Architects embarked into the most productive years in its 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 Zachwieja Workman Architects, Mark worked for the Internationally renowned Architectural and Engineering firm BSA Life Structures of Indianapolis, Indiana. In his five years there, Mark developed an expertise in Medical Facility Planning and Design. He enjoyed working on several large projects for Charleston Area Medical Center and West Virginia University. In 1994 Mark left BSA and joined Kreps and Kreps Architects. In 1996 Mark was made a partner and in 1999 Mark purchased the firm from Jeffry Kreps, son of the original founder, William Kreps. Since then, Mark continues the tradition of design excellence and serious project leadership to bring Zachwieja Workman Architects to the forefront in Healthcare Facility Design in the mid-atlantic region of the United States. Today Zachwieja Workman Architects is leading the area using BIM and Revit to develop our most complex projects.

Mark's 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 Boards

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 Services Department

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,
Principal

As a Principal, Vivian is charge of developing and coordinating various projects to include the Healthcare and Institutional fields from the programming phase through construction documents and contract administration. Her responsibilities include meeting with clients to ascertain verbally and graphically their needs for project coordination, coordinating the design with consultants, and working with the contractor to ensure a quality project. Vivian is involved from the early design phases through the project design development, construction documentation, contract bidding and negotiation, construction administrative services, project close-out and post-occupancy evaluations.

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*
- *Pharmacy and Oncology Center*

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*

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

- *New Entrance Canopy/Campus Beautification*
- *Nursing Unit Renovations*
- *Hybrid OR/New PACU*
-

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*

Boone Memorial Hospital
Madison, WV

- *$30 Million Replacement Hospital*

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

THOMAS F. DETER, P.E., LEED AP

Principal in Charge

Mr. Deter has over 30 years of experience and is responsible for the engineering design of all trades, the supervision of senior designers, the preparation of reports to determine optimal systems and/or equipment selections, and the coordination and checking of contract documents for completeness and quality. He has extensive experience in the design of building systems for both new buildings and building retrofits for government, health care, educational, commercial, industrial, residential, and utility related facilities

PROJECT EXPERIENCE

Camp Dawson, U.S. Army National Guard, Kingwood, West Virginia
- Three new billeting facilities

Mount Nittany Medical Center, State College, Pennsylvania
- Design for 42,000 sq.ft. East Wing Addition
- 12 kV primary distribution system
- UPS evaluation
- TVSS design
- Generator #3 replacement

James E. Van Zandt Veterans Affairs Medical Center, Altoona, Pennsylvania
- Segregation of emergency power distribution within the Main Patient Building, Emergency Department, and Ambulatory Surgical Center

Lincoln University, Chester County, Pennsylvania
- New 150,000 sq.ft. Health and Wellness Center with clinics, fitness areas, indoor track, conference rooms, lounges, classrooms, offices and dining area

Pennsylvania Army National Guard, Pittsburgh, Pennsylvania
- Rehabilitation of New Castle Readiness Center
- Rehabilitation of Crane Readiness Center

U.S. Army Reserve Center, Wheeling, West Virginia
- Design/build training building with classrooms, administrative areas, library, assembly hall, weaponeer room and medical section, and 17,000 sq.ft. OMS/AMSA

U.S. Army Reserve Aviation Center, Weirton, West Virginia
- Design/build training building with classrooms, assembly hall, arms vault, armorer, weaponeer room, and Comsec training area, and a 6,300 sq.ft. OMS

EDUCATION:
Bachelor of Science, Electrical Engineering Technology, 1987, University of Pittsburgh at Johnstown

EXPERIENCE:
H.F. Lenz Company 1992-Present • Parfitt/Ling Consulting Engineers 1990-1992 • Gary Johnston & Assoc., Inc. 1987-1990

PROFESSIONAL REGISTRATION/ CERTIFICATION:
Licensed Professional Engineer in Pennsylvania, Arkansas, Idaho Illinois, Indiana, Maryland, Nebraska, New Jersey, North Carolina, Ohio, Oklahoma, Oregon, South Dakota, Virginia, and West Virginia • LEED Accredited Professional

PROFESSIONAL AFFILIATION:
NSPE/PSPE • U.S. Green Building Council

David A. Blackner, P.E,
Principal/Structural Engineer

Mr. Blackner is responsible for the complete layout, design and detailing of building structural systems. He has diverse experience in the structural analysis and design of projects involving steel, engineered masonry, reinforced cast-in-place concrete, pre-cast/pre-stressed concrete and wood frame structures.

Mr. Blackner is proficient in multiple analysis platforms (STAAD, RAM Structural Systems, 3-D Analysis and Finite Elements). He also oversees structural coordination with other trades, as well as conducting periodic site visits related to the structural work. Dave is also responsible for writing the structural technical specifications for projects. He received the Engineer of the Year Award 2005 by the local chapter PSPS.

PROJECT EXPERIENCE

West Virginia University Medical Center, Ruby Memorial Hospital – Morgantown, West Virginia

- *Structural design for a new eight-story medical building with a three story vertical addition on a portion of the existing four-story building. Both buildings are connected via a three-story skyway. All framing is structural steel with a caisson and grade beam foundation system*

Conemaugh Memorial Medical Center – Johnstown, Pennsylvania

- *This project involved an existing multi-story hospital in which several areas of the existing structure were analyzed for the purpose of equipment support.*

Penn State University – University Park, Pennsylvania

- *Preliminary cost estimates and cost comparisons for various framing system for new 132,000 sq.ft. Food Science Building*
- *Managed the structural design for the new 44,000 sq.ft. Career Services Building*

Children's Hospital of Pittsburgh – Pittsburgh, Pennsylvania

- *Design of a reinforced concrete, underground electric equipment vault that measures 78 feet long, 21 feet wide, and 25 feet deep; this project was stopped after the design phase and was never constructed*

Carnegie Mellon University – Pittsburgh, Pennsylvania

- *Mellon Institute Building - Various renovations throughout the350,000 sq.ft. building and modification of the existing generator building*

Latrobe Area Hospital – Latrobe, Pennsylvania

- *Structural analysis and reinforcement of an existing roof structure to support a new cooling tower*

Education:
Associate, Mechanical Engineering Technology, 1988, Pennsylvania State University

Associate, Architectural Engineering Technology, 1988, Pennsylvania State University

Experience:
H.F. Lenz Company 1998-Present • L. Robert Kimball & Associates 1995-1998 • George D. Zamias Developer 1989-1995

Professional Registration/ Certification:
Licensed Professional Engineer in Pennsylvania, Arizona, Colorado, Connecticut, Delaware, Georgia, Maine, Maryland, Massachusetts, New York, and North Carolina

GREGORY D. RUMMEL, CPD
Plumbing/Fire Protection Designer

Mr. Rummel has designed complete plumbing and fire protection systems for colleges, schools, office buildings, hospitals, prisons, laboratories, industrial facilities, and military installations. He is fully knowledgeable of NFPA codes and is experienced in the design of wet, dry, preaction, FM200, and deluge fire protection systems. He is responsible for plumbing and sprinkler system design, layout, and calculations; selection and sizing of equipment; cost estimates; and site survey work. Mr. Rummel supervises drafting personnel; coordinates the plumbing design with utility companies, with other trades, and with the Project Engineer and Project Architect; and is responsible for assembling complete and accurate plumbing bid documents which meet H.F. Lenz Company standards.

EDUCATION:

Bachelor of Science, Mechani
Engineering Technology, 200
Point Park College

Associate in Specialized
Technology 1984, Architectura
Drafting and Construction
with CAD Technology, Triangle
Institute of Technology

EXPERIENCE:

H.F. Lenz Company 1989-
Present • Newport News Shi
Building 1984-1989

PROFESSIONAL REGISTRATION/
CERTIFICATION:

Certified in Plumbing Design,
ASPE

PROJECT EXPERIENCE

Camp Dawson, U.S. Army National Guard, Kingwood, West Virginia
- Three new billeting facilities

West Virginia University Heart Institute, Building 600 Suncrest Towne Centre, Morgantown, West Virginia
- Design/build 30,000 sq.ft. medical office building
- Tenant fit-up of 15,000 sq.ft. for the WVU Heart Institute
- Remaining 15,000 sq.ft. of the building consists of medical office space

Lincoln University, Chester County, Pennsylvania
- New 150,000 sq.ft. Health and Wellness Center with clinics, fitness areas, indoor track, conference rooms, lounges, classrooms, offices and dining area

Pennsylvania Army National Guard, Pittsburgh, Pennsylvania
- Rehabilitation of New Castle Readiness Center
- Rehabilitation of Crane Readiness Center

U.S. Army Reserve Aviation Center, Weirton, West Virginia
- Design/build training building with classrooms, assembly hall, arms vault, armorer, weaponeer room, and Comsec training area, and a 6,300 sq.ft. OMS

U.S. Army Reserve Center, Wheeling, West Virginia
- Design/build training building with classrooms, administrative areas, library, assembly hall, weaponeer room and medical section, and 17,000 sq.ft. OMS/ AMSA

JOHN C. STEWART, P.E., LEED AP
Mechanical Engineer

Mr. Stewart has 34 years of experience in the design of HVAC, plumbing, and fire protection systems. His responsibilities have included code compliance verification, schematic layout, calculations, equipment selection, control system selection, specification writing, coordination, life cycle cost analyses, and cost estimating. His experience includes the design of mechanical systems for laboratories, hospitals, educational facilities, industrial plants, and military installations. He has also been involved in the design of chiller and boiler plants.

PROJECT EXPERIENCE

Camp Dawson, U.S. Army National Guard, Kingwood, West Virginia
- Three new billeting facilities

West Virginia University Heart Institute, Building 600 Suncrest Towne Centre, Morgantown, West Virginia
- Design/build 30,000 sq.ft. medical office building
- Tenant fit-up of 15,000 sq.ft. for the WVU Heart Institute
- Remaining 15,000 sq.ft. of the building consists of medical office space

Lincoln University, Chester County, Pennsylvania
- New 150,000 sq.ft. Health and Wellness Center with clinics, fitness areas, indoor track, conference rooms, lounges, classrooms, offices and dining area

Walter Reed Army Medical Center
- Renovation and upgrade to Building 12, Provost Marshal's Facility
- Repair and upgrade of the main steam distribution system from the Garrison's Steam Plant, Building 15, to the Main Hospital building, Building 2

Pennsylvania Army National Guard, Pittsburgh, Pennsylvania
- Rehabilitation of New Castle Readiness Center
- Rehabilitation of Crane Readiness Center

Letterkenny Army Depot, Chambersburg, Pennsylvania
- Over 100 projects completed under seven consecutive term contracts including Building 1, New SCIF

911th Airlift Wing, U.S. Air Force Reserve, Greater Pittsburgh International Airport, Coraopolis, Pennsylvania
- Various renovations and new construction under two term contracts

EDUCATION:

Master of Science, Mechanical Engineering, 1995, University of Pittsburgh

Graduate Courses in Facilities Engineering, 1984-1987, Air Force Institute of Technology

Bachelor of Science, Mechanical Engineering, 1984, University of Pittsburgh

EXPERIENCE:

H.F. Lenz Company 1995 – Present / Peter F. Loftus Division, Eichleay Engineers, Inc. 1989 – 1996 / Newport News Shipbuilding 1988 – 1989 / U.S. Air Force 1984 – 1988

PROFESSIONAL REGISTRATION/ CERTIFICATION:

Licensed Professional Engineer in Pennsylvania; LEED Accredited Professional

PROFESSIONAL AFFILIATION:

American Society of Heating, Refrigerating, and Air-Conditioning Engineers; APPA; U.S. Green Buildings Council

Steven P. Mulhollen, P.E.,
Electrical Engineer

Mr. Mulhollen is experienced in the design of power distribution systems, control systems, emergency power systems, lighting and emergency lighting systems, fire alarm systems, security, sound, and telecommunication systems for correctional, educational, institutional, industrial, health care, and commercial facilities.

Education:
Bachelor of Science, Electrical Engineering, 1988, The Pennsylvania State University

Experience:
H.F. Lenz Company 1999 – Present • L. Robert Kimball & Associates 1996 – 1999 • Lea Wallace Associates, Inc. 1990 – 1996 • E.A. Mueller, Inc. 19 - 1990

Professional Registration/ Certification:
Licensed Professional Engine in Pennsylvania, Alabama, California, Florida, Iowa, Kansas, Kentucky, Louisiana, Massachusetts, Maryland, Missouri, Nebraska, Nevada, New Jersey, New Mexico, Ne York, North Carolina, Ohio, Rhode Island, Tennessee, We Virginia, DC

Professional Affiliations:
Institute of Electrical and Electronics Engineers, Inc.

PROJECT EXPERIENCE

Camp Dawson, U.S. Army National Guard, Kingwood, West Virginia
- Three new billeting facilities

West Virginia University Heart Institute, Building 600 Suncrest Towne Centre, Morgantown, West Virginia
- Design/build 30,000 sq.ft. medical office building
- Tenant fit-up of 15,000 sq.ft. for the WVU Heart Institute
- Remaining 15,000 sq.ft. of the building consists of medical office space

Lincoln University, Chester County, Pennsylvania
- New 150,000 sq.ft. Health and Wellness Center with clinics, fitness areas, indoor track, conference rooms, lounges, classrooms, offices and dining area

James E. Van Zandt Veterans Affairs Medical Center, Altoona, Pennsylvania
- Segregation of emergency power distribution within the Main Patient Building, Emergency Department, and Ambulatory Surgical Center; included a new 1000 kW generator and automatic transfer switches

Pennsylvania Army National Guard, Pittsburgh, Pennsylvania
- Rehabilitation of New Castle Readiness Center
- Rehabilitation of Crane Readiness Center

Letterkenny Army Depot, Chambersburg, Pennsylvania
- Over 100 projects completed under seven consecutive term contracts

911th Airlift Wing, U.S. Air Force Reserve, Greater Pittsburgh International Airport, Coraopolis, Pennsylvania
- Various renovations and new construction under two term contracts
- Primary underground site investigation, mechanical, plumbing, electrical, land survey and utility location consulting for 4160V electrical relocation


KINNEY DRILLING
MAXIM
Crane Works

05 REFERENCES

Client References

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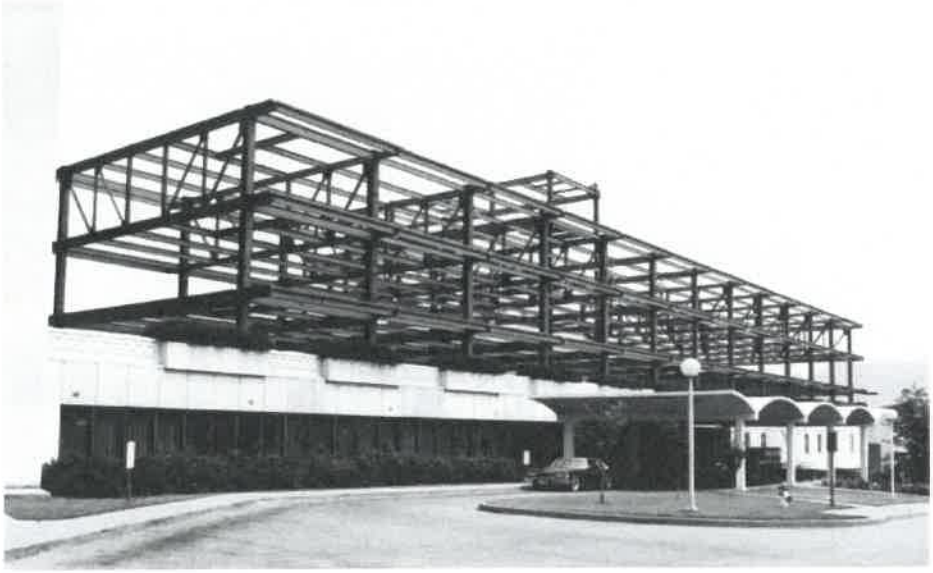

Contractor References

W.B. Fosson Co.
Michael Gullett, President
3321 Winchester Avenue
Ashland, KY 41105
606.325.4673

BBL Carlton Inc.
Todd Corey
900 Lee Street
Suite 1400
Charleston, WV 25301
304.345.1300

Neighborgall Construction
C.R. Neighborgall, IV
Vice President of Administration
1216 Seventh Avenue
Huntington, WV 25707
304.525.5181
crn4@neighborgall.com

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Scott Depot, WV 25560
304.757.0880
cpayne.mirc@hughes.net

Maynard C. Smith Construction Inc.
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3410 Chesterfield Avenue
Charleston, WV 25304
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Jarrett Construction Company
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P.O. Box 5250
Charleston, WV 25301
304.344.9140

RC General Contractors
Tom Reece
318 Lee St. W Charleston, WV 25302
304.346.7307
TReece@rcgeneral.com

Dear Mark,

I am writing to recommend you and your company for the educational facility project that you indicated you would like to take on. Given the excellent job that you folks did with this facility, I can whole-heartedly recommend your firm to any company that looks to retain your services.

Having worked on a variety of professional and personal space renovations throughout my life, I can most assertively state that I have never worked with a group that was more attentive to our needs in designing this academic space. Your effort to understand how each room was to be utilized, and questions regarding the number of people who would be flowing through the room over time were quite refreshing! I particularly valued your attention to detail and attempt to design the space to function well, including maximizing storage for the program. Though we have no windows in the space, visitor continually note how open and airy the space looks—that of course is the result of an excellent eye for designing spaces that not only function well, but are comfortable to "live" in.

In addition, I particularly appreciated that you sought to inform me of any changes where required to be made due to unforeseen circumstances—and of course there are always a few. And, though I did not ask for many changes, you're willingness to make those changes for us was also greatly appreciated.

So, again, I am most happy to recommend your firm to anyone. Please do not hesitate to give my contact information to anyone who would like to speak to me regarding the wonderful job you all did in designing this space.

Regards,

Penny

Penny G. Kroll, PT, PhD Chair and Professor
School of Physical Therapy

Marshall University

2847 5th Avenue

Huntington, WV 25702

Office Ph: 304-696-5614

Fax: 304-696-5614

Email: kroll@marshall.edu

Mark Zachwieja

From: "Jones, Olen" <OJONES@osteo.wvsom.edu>
Sent: November 27, 2012 1:53:02 PM EST
To: zach@kandzarchitects.com
Subject: Letter of recommendation

Dear Mark,

As past president of the West Virginia School of Osteopathic Medicine, I can't say enough good things abo the professional staff of Kreps and Zachwieja Architects, Inc.; both professionally and personally.

Our twenty plus year relationship with your architectural firm was vital in the successes we achieved in the growth of our campus and programs. With a humble start from a single building to a nationally recognized program with a campus of over thirteen buildings; the school benefitted greatly from the talents of Kreps an Zachwieja Architects, Inc. for master planning and architectural design. For every assignment we knew we could count on prompt, professional service; on time and within budget.

Therefore, it would be my pleasure to recommend your firm to anyone in need of design services. Sincerel

Olen E. Jones Jr., Ph.D.

Past President WV School of Osteopathic Medicine (1987–2009)
OJONES@osteo.wvsom.edu

MARSHALL UNIVERSITY
www.marshall.edu

Facilities Planning and Management

November 27, 2012

To whom it may concern:

During my 20 years with Marshall University, I have had the experience of working with many design firms in the State of West Virginia and the surrounding areas. One of the premier design firms relative to quality of design, owner oriented, and exhibiting professionalism in their performance was Kreps and Zachwieja Architects.

In 2010 they completed design and construction administration for the Smith Hall window replacement including restroom renovations, replacement of plumbing stacks, etc. This project came in under budget and was completed in record time.

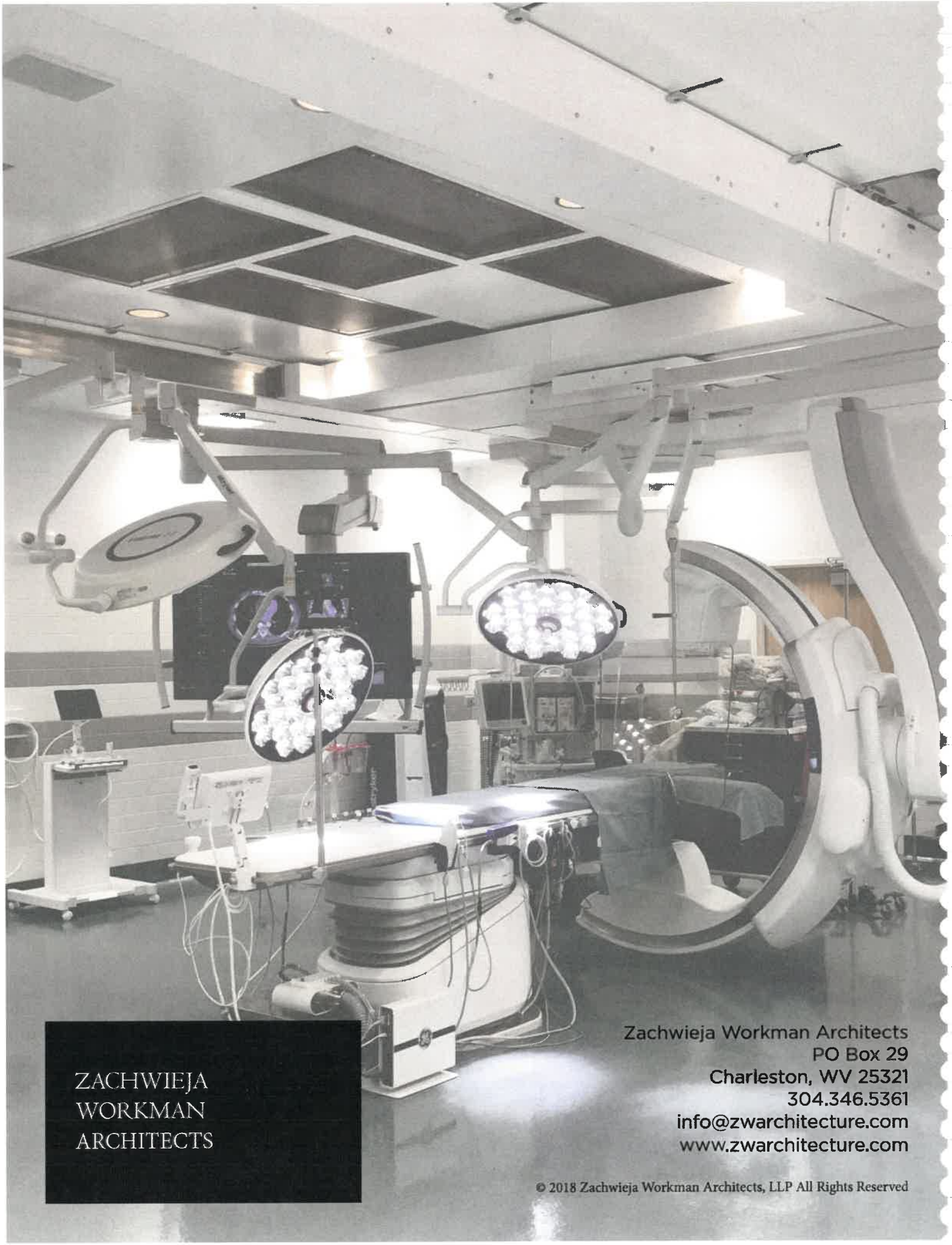
Based on this relationship and performance, it is without hesitation that I recommend the firm Kreps and Zachwieja for any future endeavors they may become involved with.

Sincerely,

Ronald J. May

Ronald J. May
Director
Facilities Planning and Management

RM/jh



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