



05/02/18 10:02:02
WV Purchasing Division

May 2, 2018

Michelle Childers, Senior Buyer
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130

RE: Solicitation No. CEOI 0211 GSD 1800000004 (Building Four Renovations Project)

Dear Ms. Childers:

Omni Associates-Architects, Inc. is pleased to submit our Proposal to provide architectural and engineering design services for the renovation of Building Four located at 112 California Avenue in Charleston.

We propose a project team that will address the specific concerns and issues stated in the Building Four EOI, along with the knowledge and experience to attend to the needs of the State of West Virginia. In addition to Omni, this team will include **H.F. Lenz Company**, who will provide engineering services from the mechanical, electrical, fire safety and structural disciplines. Our firms are proud of our long and successful history of project collaboration and are uniquely qualified in providing existing conditions assessments, programming, space planning, and phasing through some of our past and current work with:

- The Blanchette Rockefeller Neurosciences Institute
- Mylan Pharmaceuticals, Offices, Manufacturing and Laboratories
- Kanawha Valley Community & Technical College (Bridge Valley CTC)
- Federal GSA
- State GSD
- West Virginia University
- Alderson Broadus University


Our team also brings a substantial amount of knowledge of LEED guidelines and standards through several of our past and current projects including:

- Mon Power Regional Headquarters
- West Virginia State Office Complex
- Canaan Valley Institute
- Federal GSA Building - Charleston

As Omni's Principal-in-Charge, I will guide this team through the design process and serve as the point-of-contact for the General Services Division throughout the project.

Thank you for allowing us to present our credentials. We would appreciate the opportunity to discuss our team's experience with you further.

Sincerely,
OMNI ASSOCIATES – ARCHITECTS, INC.


John R. Sausen, AIA, NCARB
Principal

**State of West Virginia
Department of Administration, Purchasing Division
Building Four Renovations Project**



STATEMENT OF QUALIFICATIONS

OMNI ASSOCIATES—ARCHITECTS, INC.

207 JEFFERSON STREET

FAIRMONT, WEST VIRGINIA 26554

304-367-1417 (phone)

304-367-1418 (fax)

Contact Person:

John R. Sausen AIA, NCARB

jsausen@omniassociates.com



Firm Profile

OMNI ASSOCIATES - ARCHITECTS is an award-winning architectural firm located in Fairmont, West Virginia. Our approach to design has allowed us to avoid the confines of specialization and afforded us the opportunity to create a diverse body of work.

Since the beginning in 1980, Omni has earned recognition for the programming, planning, and design of a variety of structures; which includes corporate office and governmental buildings, health care facilities and medical campuses, academic and educational buildings, recreational, religious, military and multipurpose facilities.

Our reputation and superior work product are the result of efficient and effective communication with our clients and consultants.

Each project is a unique undertaking that begins with analyzing the needs and desires of the client, and interpreting them into a distinctive design that exceeds expectations.

Omni has a successful history of designing intimately with each client and creating collaborative solutions that meet the project goals, resulting in an impressive record of customer satisfaction. These qualities that draw our clients back, resulting in lasting relationships.

Omni Associates provides clients with the results they value most: Innovative designs consistent with the building program, cost effective designs which meet the budget, and efficient project management to provide on-time deliverables.

We're proud of our reputation and expertise, and our clients are confident that they will receive superior services.



Overview of Services

OMNI provides comprehensive, in-depth professional architectural services for new construction, renovation, addition, and adaptive reuse utilizing a variety of delivery methods to best serve our clients' needs.

Design-Bid-Build Delivery Method

Omni has performed private and public projects of every building type using this traditional method of project delivery. We organize the entire project in advance of bidding and work extensively with our clients to achieve alternates to program goals. Construction documents are prepared and bid to multiple general contractors to achieve competitive pricing. Our advanced preparation and communication with the owner and contractor has been a proven approach to limiting change orders and allows us to deliver projects on-time and on-budget.

Fast Track and Multiple Prime Delivery Method

To achieve an accelerated building construction time schedule, Omni has experience with both fast-track and multiple-prime contract projects. As a variation of the traditional design-bid-build delivery, the negotiated select team approach allows for selection of a contractor early in the design process. We prepare construction drawings in stages and bid these "parts" of the total building program so construction can be ongoing as the next phase is programmed and designed. We have worked with General Contractors, Construction Managers and multiple prime subcontractors to successfully complete this type of project delivery.

Design-Build Delivery Method

Owners and developers are currently seeking a simpler delivery style with a single point of responsibility for both design and construction. Under design-build, a consolidated entity provides both design and construction services to the owner. A single contract is established between the owner and the architect-contractor or design-builder. Omni has experience with both scenarios as well as contracting with owners and general contractors to successfully achieve this streamlined method of project delivery.

Construction Administration

Omni has worked on projects for the construction phase of the total building life. This would include projects designed by another firm who needs local supervision or a pre-designed project from a national restaurant or store - which requires local implementation. Omni has also performed bank or financing inspections to determine the completion status of the project for periodic applications for payment.



Design Approach & Methodology

Omni and HF Lenz have a long history of working together and have developed a strong methodology for design and construction administration. Several unique approaches are implemented to manage the progress of the design, coordinate the major building systems and provide continuity in building information.

Omni and H.F. Lenz share the professional management style of maintaining the project team together from the initial concepts to final completion of the project—and this includes the respective Principal-in-Charge of each discipline. This style makes for a great dynamic connection of all design professionals with the Owner and Contracting team members and limits the loss of decision making that is created along the entire project life cycle.

Obtaining the existing drawings and gaining access to the building quickly is imperative. We plan to develop a 3D model of the building in REVIT, which will allow us to achieve more accurate building conditions and create a virtual reality building so we can move to Design Development quickly once we have developed a Program for each of the spaces. The model provides us with the benefit of not having to redesign later on the Construction Documents phase due to inaccurate data. The REVIT Model is shared with H.F. Lenz and is constantly updated through the project by all disciplines, which allows us to explore primary routes for HVAC, Data, Sprinkler, Electrical Main Circuits and Plumbing components. We use the model to eliminate conflicts between the trades during design to avoid delays and change orders during construction.

Another approach we would like to explore with

this project is one which our team completed during the WVU North Tower Expansion and the WVU BRNI Research renovation. For both of those projects, we created not only Construction Documents, but also Logistics Drawings for the Construction Team, Owner and Design Professionals to coordinate and sequence renovation of the building to minimize conflicts with surrounding campus, utility and infrastructure upgrades as well as connections and sequencing of the construction issues for access, storage and staging.



Management & Staffing

We firmly believe that the best gauge in determining our performance and abilities is the quality of the personnel of which we are comprised. Omni's greatest resource is our professional staff of dedicated, experienced, and creative individuals.

Our skilled team includes 6 registered architects, intern architects, computer-aided design specialists, an interior designer, and knowledgeable administrative support staff. Their quality, expertise, and dedication integrate to produce the solid foundation upon which Omni has built its reputation.

OMNI organizes its staff into several teams or "studios." A specific project team is established for each commission. Studio resources are combined for larger projects. Younger staff members bring a fresh perspective and gain valuable knowledge under the guidance of more experienced staff. Utilizing this approach, we are able to provide the human resources required for all types of projects, including large and complex projects.

The project team, including the principal-in-charge, actively participates in the project from start to finish. The same professionals who develop an understanding of your needs in programming generate design alternatives, oversee the production of construction documents, and implement the concepts during construction. The consistency afforded by this approach is a benefit to OMNI and you.

In reality, the OMNI project team goes beyond

our in-house staff. It includes consultants, client representatives, owners, and a construction manager, as required. It is the mutual respect of each team member's skills and perspectives that enables the design process to conclude with a successful project of which we all can be proud.



Organizational Arrangement

Key Personnel

Omni Associates – Architects carefully selects its project team based on each member's ability to add directly-related experience, ensuring our ability to meet the specific challenges and goals of each client

Throughout our years of experience, we have worked with a variety of consultants specializing in structural engineering, civil engineering, mechanical and electrical engineering, and other disciplines as each project dictated. You can be assured that the consultants we select for your project are selected for their particular and relevant experience as well as their superior work ethic.

In short, for each project we undertake at Omni, we carefully staff our teams, including in-house professionals and outside consultants, with the type of personnel we would want working for us, to work for you.

Omni Associates—Architects

JOHN R. SAUSEN, AIA, NCARB, LEED AP

Principal in Charge

Mr. Sausen has been Project Architect in charge of design and construction for Omni Associates – Architects since 1984. As a Principal-in-Charge and Project Architect, his primary responsibility is to guide and coordinate the team in the development the overall concept of design by performing technical tasks which include project space programming; schematic layout of functional spaces; aesthetic design and development; and concept and coordination of building systems such as mechanical, electrical, plumbing and fire protection.

DAVID E. SNIDER, AIA, NCARB

Project Manager

Mr. Snider has been a valuable member of the Omni team since 1995. He holds a Master of Architecture degree from Virginia Tech as well as a B.S. in Engineering Technology/Architecture from

Fairmont State College. David is one of Omni's most effective project managers with a strong background in K-12 and higher education projects and solid credentials in historic preservation and restoration as well as adaptive reuse. His strong work ethic has provided him with extensive experience with the preparation of construction documents, material specifications, and bidding documents as well as construction administration.

H. F. Lenz Company

MEP and Structural Engineering

Currently in its 70th year, the H.F. Lenz Company (HFL) is a nationally ranked multi-discipline engineering firm with a strong commitment to technical excellence and unparalleled customer service. From planning and design through commissioning and operations support, H.F. Lenz is known for working with their clients to find the best solutions that meet current needs while providing the flexibility and scalability to accommodate future growth and new technologies. Today the firm employs 165 individuals working out of our Johnstown-based headquarters and satellite offices in Pittsburgh, Pennsylvania, Conneaut, Ohio, and Middletown, Connecticut.



Organizational Arrangement

Key Personnel

Steven J. Gridley, P.E.

Principal-in-Charge

Mr. Gridley works with the team to establish responsibilities, allocate personnel and firm resources and provide quality control. He is also experienced in the design of chilled water, steam, hot water refrigeration, air distribution, heat recovery and control systems, underground power distribution systems, uninterruptible power supplies and interior building distribution systems of all types.

Joel C. Shumaker, P.E., CBIE, LEED AP

Project Manager—Electrical Engineer

Mr. Shumaker is experienced in the design of electrical systems for both new buildings and building renovations. He brings vast experience and knowledge in the design of power distribution systems, emergency power systems and monitoring, uninterruptible power supplies, and emergency lighting systems.

systems Additional information on each team member is available in the resume section of this submission.

John Weiland, P.E. CEM, LEED AP

Mechanical Engineer

Mr. Weiland specializes in the design of HVAC systems for office buildings and large facilities and institutions. His duties include design calculations, equipment selection, schematic and construction document design, specification writing and life cycle cost analyses.

David B. Schmidt, Jr., P.E. RCDD

Communications Engineer

Mr. Schmidt is an Electrical Engineer with a wide range of experience in corporate and commercial projects, providing project planning, cost estimating, facility design and project scheduling. He is also a Registered Communications Distribution Designer (RCDD) with an extensive background in both optical fiber and copper backbone cabling systems.

David A. Blackner, P.E.

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, masonry, cast-in-place concrete, pre-cast and wood frame structures.

Michael G. Spinelli, CPD

Plumbing/Fire Protection Designer

Mr. Spinelli has designed completed plumbing and fire protection systems for office, and commercial buildings. His duties include design, layout, specifications, calculations, equipment sizing and site survey work.

Additional information on personnel involved in the project can be found in their respective resumes following this section.



John R. Sausen AIA, NCARB, LEED AP

Project Role: Senior Principal in charge, Design Architect

Project Responsibilities: Principal-in-Charge of design and construction for Omni Associates since 1983. Responsible for coordinating and designing all aspects of a project from schematic design through final completion of construction. Specializing in Design-Build. Worked for three months in 1981 for Kraemer, Sieverts & Partners, Braunschweig, West Germany on an office, residential and civil defense complex for the Ministry of Interior, Kingdom of Saudi Arabia. The complex was to be of pre-cast metric. The design was to be flexible enough for construction in six different cities. Interned with architectural firms in Ohio and West Virginia prior to joining Omni.

Achievements and Awards:

President of American Institute of Architects - West Virginia Chapter in 2000 & 2001. Worked with the Design Awards, Search for Shelter, Architecture for Kids, Livable Communities Committees. Has served on the AIA West Virginia Board of Directors from 1990 to present.

Instructor of Architecture at Fairmont State College, Fairmont, West Virginia - part time to 1990. Responsible for the instruction of design and construction relationships.

Boy Scouts of America, Mountaineer Area Council merit badge counselor, building committee member and Eagle Scout Chairman.

Achieved the rank of Eagle Scout and has been involved with Scouting for over 20 years.

Years of Experience

Joined Omni in 1983

Background

Bachelor of Architecture:

University of Cincinnati, 1982 (Magna Cum Laude)

Select Project Experience

Mylan Pharmaceuticals

Morgantown, WV

North Expansion—500,000 sf

Executive Corporate Offices

Research and Development Lab

Quality Control Lab

CDC/NIOSH

Morgantown, WV / Pittsburgh, PA

Building Renovations

Infrastructure Studies

Safety and Security

Mine Rescue and Escape Lab

West Virginia University

Morgantown, WV

Child Learning Center

Building Renovations

Facility Upgrades

White Hall Lab

Blanchette Rockefeller Neurosciences

Institute Laboratory Fitout

West Virginia University Hospitals

Morgantown, WV

North & Northeast 8 story addition

Cheat Lake Family Medicine Clinic



David E. Snider AIA, NCARB, ALEP

Years of Experience

Joined Omni in 1995

Background

Master of Architecture - Virginia Polytechnic Institute, 2001

B.S. Engineering Technology (Architecture) - Fairmont State College, 1989

Associate of Applied Design (Drafting and Design) - Fairmont State College, 1989

Select Project Experience

New Construction

Brookhaven Elementary School

Lincoln Middle School

Franklin Elementary School

Lumberport Elementary School

West Fairmont Middle School

Fairmont Senior High School Cafeteria

Genesis Youth Crisis Center

West Virginia High Technology Consortium Foundation (WVHTCF)

Mylan Pharmaceuticals

Renovations:

Brookhaven Elementary School

Simpson Elementary School

Christ Episcopal Church

Historical Restoration:

Fairmont Senior High School Auditorium

Riverview at Clendenin

First Ward Apartments

Fairmont State University 1-Room Schoolhouse

Fairmont State University:

Wallman Hall Renovations

Robert C. Byrd Aerospace Center Renovations

Colebank Hall Renovations

Project Role: Project Manager, Project Architect

Experience: Practice has included diverse project types including primary, secondary, and higher-education education facilities, office buildings, health care facilities, commercial design, multifamily and single-family housing, and manufacturing facilities. Extensive experience with the preparation of construction documents, material specifications, and bidding documents as well as construction administration. **One of Omni's most effective project managers.** Strong background in K-12 and higher education projects. Demonstrated skill and success in such notable projects as Lincoln Middle School, Lumberport Elementary School, Brookhaven Elementary School and West Fairmont Middle School as well numerous projects for Fairmont State University. Mr. Snider has also developed solid credentials in historic restoration and adaptive reuse with Riverview at Clendenin, First Ward School Apartments and Sutton Apartments.

REGISTRATION / PROFESSIONAL AFFILIATIONS

American Institute of Architects, Member

American Institute of Architects—West Virginia, Member

Accredited Learning Environment Planner (ALEP)

U.S. Green Building Council, Firm Membership

Associated Builders and Contractors, Firm Membership

Registered in West Virginia



H.F. Lenz Company

Currently in its 72nd year, the H.F. Lenz Company (HFL) is a nationally ranked multi-discipline engineering firm with a strong commitment to technical excellence and unparalleled customer service. From planning and design through commissioning and operations support, we work with our clients to find the best solutions that meet current needs while providing the flexibility and scalability to accommodate future growth and new technologies.

COMPANY HISTORY

Harold F. Lenz began offering his services as a registered engineer in 1927. He established the H.F. Lenz Company in its present form in 1946, and in 1953 the company was incorporated in Pennsylvania. In 1978 the firm expanded its services to include civil and structural engineering, and professional surveying services. Today the firm employs 155 individuals working out of our Johnstown-based headquarters and satellite offices in Pittsburgh, Pennsylvania, Conneaut, Ohio, and Middletown, Connecticut.



DISCIPLINES/SERVICES OFFERED IN-HOUSE INCLUDE:

- › Mechanical Engineering
- › Electrical Engineering
- › Fire Protection / Life Safety Engineering
- › Communications Engineering
- › Structural Engineering
- › Civil Engineering
- › Energy Services
- › Commissioning
- › Construction Phase Services
- › LEED Design Services
- › ENERGY STAR
- › GIS Mapping
- › Surveying
- › Studies

LEED AND SUSTAINABLE DESIGN

H.F. Lenz Company has been a member of the United States Green Building Council since 2000 and currently have 17 LEED® Accredited Professionals on staff. At present, we have designed over 16 million sq.ft. of facilities utilizing LEED principles including 100+ projects that have attained various levels of LEED Certification. In addition, we also became an ENERGY STAR® Partner Firm in 2008, and have completed validation services for numerous projects which have completed validation services for numerous projects which have attained an ENERGY STAR Building Label.



MARKET SECTORS

- › Corporate / Workplace
- › Mission Critical
- › Academic
- › Energy Services
- › Government
- › Healthcare
- › Historic
- › Hospitality
- › Industrial
- › Laboratory & Research
- › Commercial/Retail
- › Museums



Steven J. Gridley, P.E.

Principal-in-Charge

As Principal-in-Charge Mr. Gridley is responsible for interfacing with the Owner, and reviewing the program, budget, and project schedule. He works with the project team to establish responsibilities, allocate personnel and firm resources, and provide quality control. He is also involved with the project management and multi-discipline design of data centers, operations centers, and other mission critical facilities. He is experienced in the design of chilled water, steam, hot water, refrigeration, air distribution, heat recovery and control systems, underground power distribution systems, uninterruptible power supplies, and interior building distribution systems of all types.

EDUCATION

Bachelor of Science, Architectural Engineering, 1979, Pennsylvania State University

EXPERIENCE

H.F. Lenz Company 1979-Present

PROFESSIONAL REGISTRATION / CERTIFICATION

Licensed Professional Engineer in all 50 States and the District of Columbia

PROFESSIONAL AFFILIATIONS

First Place, 1987 ASHRAE
International Energy Award •
National Society of Professional Engineers • Pennsylvania Society of Professional Engineers • American Society of Heating, Refrigerating and Air-Conditioning Engineers • Building Officials Code Administrators International • Professional Engineers in Private Practice • National Fire Protection Association

PROJECT EXPERIENCE

Clarksburg State Office Building – Clarksburg, West Virginia

- › Multi-discipline design of a new 85,250 SF, five-story office building to house seven West Virginia state agencies; sustainable design features include an HVAC system that utilizes a chilled water system with ice storage to save energy costs

West Virginia University – Morgantown, West Virginia

- › Phased renovation and life safety upgrade of the 95,500 SF White Hall including a 1,000 SF Computer Cluster Room with specialized cooling and conditioned power

West Virginia State Capitol – Charleston, West Virginia

- › Design of a new 4,800-ton central chilled water plant and distribution loop to serve seven buildings of the West Virginia State Capitol Complex

Robert F. Kennedy Main Justice Building – Washington, DC

- › Upgrade and modernization of the mechanical and electrical systems in the seven-story, 1.3 million sq.ft. Main Justice Center in Washington, D.C. The building is listed on the National Register of Historic Places

The Lits Building – Philadelphia, Pennsylvania

- › Renovation/retrofit and adaptive reuse of an 890,000 SF former department store into modern office and retail space; complete mechanical/electrical retrofit of the entire structure including fire alarm and life safety design

The Wanamaker Building – Philadelphia, Pennsylvania

- › Conversion of a 865,000 SF occupied, historic high-rise retail building to modern office space



Joel C. Shumaker, P.E., CBIE, LEED AP *Project Manager / Electrical Engineer*

As a project manager and electrical engineer at H.F. Lenz Company, Mr. Shumaker is responsible for client contact, project scheduling, preparation of reports and cost estimates, coordination and supervision of project design teams, and other project management functions. Mr. Shumaker is experienced in the design of electrical systems for both new buildings and building retrofits for educational, health care, commercial, government, industrial, residential, and utility-related facilities. He is experienced in the design of power distribution systems; emergency power systems and monitoring; uninterruptible power supplies; lighting and emergency lighting systems; fire alarm systems; nurse call; security; sound; and telephone systems.

EDUCATION

Bachelor of Science, Electrical Engineering Technology 1993, University of Pittsburgh at Johnstown

EXPERIENCE

H.F. Lenz Company 1985-Present

PROFESSIONAL REGISTRATION / CERTIFICATION

Licensed Professional Engineer in Pennsylvania, Connecticut, Delaware, Maryland, New York, Vermont, Virginia and West Virginia

PROFESSIONAL AFFILIATIONS

Pennsylvania Society of Professional Engineers, Johnstown Chapter Secretary • National Society of Professional Engineers • Keystone Chapter of Association of Physical Plant Administrators

PROJECT EXPERIENCE

Clarksburg State Office Building – Clarksburg, West Virginia

- › Engineering design of a new 85,250 SF, five-story office building to house seven West Virginia state agencies; sustainable design features include an HVAC system that utilizes a chilled water system with ice storage to save energy costs

West Virginia University – Morgantown, West Virginia

- › Phased renovation and life safety upgrade of the 95,500 SF White Hall including design for a 600 kW standby generator to support the life safety systems

U.S. General Services Administration – Charleston, West Virginia

- › Electrical Engineer for the design of a new, two-story 19,427 sq.ft. office building to house offices for the Federal Bureau of Investigation; the building was designed with sustainable design criteria including water conservation, increased ventilation, and use of renewable energy sources

Fannie Mae – Urbana, Maryland

- › Electrical and mechanical critical infrastructure upgrade to two data center bays totaling 25,724 sq.ft. Included installation of a 2,500 kW Tier 4i generator

Social Security Administration – Wilkes-Barre, Pennsylvania

- › Electrical design of a new 240,000 sq.ft. office building and data operations center

University of Pittsburgh – Pittsburgh, Pennsylvania

- › Comprehensive renovation of 400,000 sq.ft. Benedum Hall laboratory building including a new 600 kW standby generator to provide backup power for the researcher's needs



John M. Weiland, P.E., CEM, LEED AP

Mechanical Engineer

Mr. Weiland specializes in the design of HVAC systems for office buildings, colleges and universities and healthcare facilities. His responsibilities include client contact, project scheduling, preparation of reports and cost estimates, coordination and supervision of project design teams and other projects management functions. His duties include design calculations, equipment selection, schematic and construction document design, specification writing, and life cycle cost analyses.

PROJECT EXPERIENCE

Clarksburg State Office Building – Clarksburg, West Virginia

- › Multi-discipline design of a new 85,250 SF, five-story office building to house seven West Virginia state agencies; sustainable design features include an HVAC system that utilizes a chilled water system with ice storage to save energy costs

West Virginia University – Morgantown, West Virginia

- › Phased renovation and life safety upgrade of the 95,500 SF White Hall including a 1,000 SF Computer Cluster Room with specialized cooling and conditioned power

U.S. General Services Administration – GSA Region 3

- › Term Contract for AE Design Services; projects involve alteration, renovations, and modernizations of federal buildings and courthouses in Region 3 North Service Sector

University of Pittsburgh – Pittsburgh, Pennsylvania

- › Renovation of 400,000 SF Benedum Hall; included the replacement of the existing mechanical, electrical, plumbing and fire protection systems on all 15 floors of the building over three project phases; the project has achieved LEED Gold

West Virginia University – Morgantown, West Virginia

- › Renovations to the basement level of the Engineering Sciences Building; replaced the existing mechanical system with a new system capable of meeting the HVAC requirements of new labs

University of Pittsburgh at Johnstown – Johnstown, Pennsylvania

- › Mechanical and electrical renovations to the 66,000 Engineering & Science Building that houses chemistry and engineering labs; due to the complex phasing and the desire to replace the majority of the infrastructure, temporary infrastructure services were designed to allow for continuous building occupancy

EDUCATION

Bachelor of Architectural Engineering, 2002, Pennsylvania State University

EXPERIENCE

H.F. Lenz Company 2002-Present

PROFESSIONAL REGISTRATION / CERTIFICATION

Licensed Professional Engineer in Pennsylvania • Certified Energy Manager • LEED Accredited Professional

PROFESSIONAL AFFILIATIONS

ASHRAE – Johnstown, PA Chapter



David B. Schmidt, Jr., P.E., RCDD

Communications Engineer

Mr. Schmidt is an Electrical Engineer with a wide range of engineering experience in corporate and commercial projects. His experience includes project planning, project management, facility design, project scheduling, cost estimating, construction administration, and training of operations and maintenance personnel. He is also a Registered Communications Distribution Designer (RCDD) with an extensive background in communications systems design including both optical fiber and copper backbone cabling systems. His specific experience includes project management and engineering design for office buildings, data centers, call centers, operations centers, and other critical facilities.

EDUCATION

Graduate Studies, Manufacturing Systems Engineering, 1995, University of Pittsburgh

Bachelor of Science Electrical Engineering Technology, 1990, University of Pittsburgh at Johnstown

Associate in Specialized Technology, Electronics, 1979, Penn Technical Institute

EXPERIENCE

H.F. Lenz Company 1995-Present • Johnstown America Corporation 1994-1995 • LTV Steel 1991-1994 • Metalworking Technology, Inc. 1989-1991 • Lincoln Contracting & Equip. Co. 1982-1984

PROFESSIONAL REGISTRATION / CERTIFICATION

Licensed Professional Engineer in Pennsylvania, Maryland and West Virginia • Registered Communications Distribution Designer

PROFESSIONAL AFFILIATIONS

Building Industry Consulting Service International (BICSI) • National Society of Professional Engineers (NSPE)

PROJECT EXPERIENCE

Robert M. Ball Federal Building – Woodlawn, Maryland

- › Communications Designer for the renovation and retrofit of the 1.2 million SF Social Security Administration main operations building; cabling systems included voice, data, and video cabling capable of evolving with future technologies; the cabling systems are distributed through cable tunnels and under raised access floors; the data cable system design is for centralized network electronics and fiber to the desk.

Kennametal, Inc. World Headquarters – Latrobe, Pennsylvania

- › Design of new campus fiber optic and copper telephone systems backbones, and Category 5 horizontal communications wiring system for telephone, voice, and data in a new 135,000 SF corporate office facility

BNY Mellon Client Service Center – Pittsburgh, Pennsylvania

- › Design of communication cabling infrastructure for the 750,000 SF \$150 million building and data center; project included 1,200 miles of optical fiber and 26,000 copper information ports

Harvard Business School Data Center – Boston, Massachusetts

- › Design of communication cabling system for a new Technology Operations Center including the extension and reconfiguration of the campus backbone

Time Warner Cable – Charlotte, North Carolina

- › Project Manager and Communications Engineer for telecom design for a new 175,000 SF data center with four data halls of 12,000 SF each



David A. Blackner, P.E.

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.

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, Connecticut, Delaware, Georgia, Maine, Maryland, Massachusetts, New York, and North Carolina

PROJECT EXPERIENCE

BNY Mellon Center – Pittsburgh, Pennsylvania

- › Existing building framing modifications to accommodate new building signage on a 55-story office building
- › Structural analysis of the 32nd floor framing to support new high density files
- › 32nd floor communications stair removal and design of structural steel and concrete floor infill

BNY Mellon, 525 William Penn Place – Pittsburgh, Pennsylvania

- › Structural analysis and modifications to the existing 9th floor of this 41-story high-rise office building to accommodate new uninterruptable power supply (UPS) equipment
- › Floors 39, 40 & 41 – Partial slab and steel removal, design of new communicating stair and rated enclosure
- › Structural analysis of a portion of the 34th floor to accommodate a large safe and flat files

Robinson & McElwee Law Office Building – Charleston, West Virginia

- › New four story steel frame office building with composite beam floor construction

University of Charleston, Brotherton Hall – Charleston, West Virginia

- › Four-story design-build dormitory constructed of pre-cast hollow core plank on masonry bearing walls and miscellaneous steel framing. Exterior wall construction is brick veneer with metal stud back-up; Spread footing foundations bear on "CLFM" fill material



Michael G. Spinelli, CPD

Plumbing/Fire Protection Designer

Mr. Spinelli has designed complete plumbing and fire protection systems for office buildings, hospitals, colleges, schools, prisons, and laboratories. He is responsible for plumbing design, layout, specifications and calculations; selection and sizing of equipment; cost estimates; and site survey work. Mr. Spinelli 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

Associate Degree in Building Systems Technology, 1997, Cambria County Community College

EXPERIENCE

H.F. Lenz Company 1997-Present •
Miller-Picking Corp. 1987-1994

PROFESSIONAL REGISTRATION / CERTIFICATION

Certified in Plumbing Design, ASPE;
ASSE 6005 Medical Gas Specialist

PROFESSIONAL AFFILIATIONS

Currently serves as VP Technical of
the Johnstown ASPE Chapter

PROJECT EXPERIENCE

Clarksburg State Office Building – Clarksburg, West Virginia

- › Design of a new 85,250 SF, five-story office building to house seven West Virginia state agencies; sustainable design features include an HVAC system that utilizes a chilled water system with ice storage to save energy costs

University of West Virginia – Morgantown, West Virginia

- › Design services for a 124,000 SF new addition and major renovations to the existing 86,000 SF Charles Wise Jr. Library.

University of Pittsburgh – Pittsburgh, Pennsylvania

- › Renovation of 400,000 SF Benedum Hall; included the replacement of the existing mechanical, electrical, plumbing and fire protection systems on all 15 floors of the building over three project phases; the project has achieved LEED Gold

University of Pennsylvania – Philadelphia, Pennsylvania

- › Wharton Academic Research Building, a new four-story \$44.9 million building containing lecture halls classrooms, research areas, academic offices and administrative spaces; The new facility is designed to attain LEED Silver

University of Pittsburgh – Pittsburgh, Pennsylvania

- › Various renovations and building system replacements to address building layout and operational requirements for the 4-building, 45,000 SF Life Sciences Complex

Mascaro Center for Sustainable Innovation – Pittsburgh, Pennsylvania

- › Engineering design services for a new 42,000 SF facility housing wet and dry labs for 18 faculty members and 94 graduate and postdoctoral researchers in a single interdisciplinary space; the project has attained LEED Gold

State of West Virginia Office Complex

Fairmont, WV

It was key that the new State Office Complex fit within the context of the downtown area's historical buildings while reflecting an era of progress and new growth.

Omni Associates—Architects was selected by the West Virginia General Services Division to provide full architectural and engineering services for a new state office building located in downtown Fairmont.

It was important that the new building fit within the context of the downtown area's historical buildings while reflecting an era of progress and new growth. To that end, the building's exterior features traditional brick and cast stone masonry integrated with insulated formed metal panels and an aluminum curtainwall.

The building was designed occupied by eight state agencies and include offices for the Secretary of State. Programming services included interviews of the individual agencies to determine the specific requirements of each. Interior fitouts include a variety of user-specific spaces including training rooms, interview rooms, waiting areas, individual offices, large open offices, break rooms, and kitchenettes.

Omni also provided all necessary surveying of the site, and all existing infrastructure systems and material to determine appropriateness for construction. Pre-construction services also included the verification, coordination, and documentation of extensions, tie-ins, and relocations of all utilities as well as an extensive demolition package released prior to the new construction package.

In addition to compliance with all applicable local, State, and Federal regulations as well as ADA requirements, the Owner requested that the building be designed with the goal of achieving LEED™ Silver certification. Current calculations suggest the project could achieve LEED Gold

services provided

Full Architectural Service
Design - Bid - Build

project cost

17.6 Million

year completed

2015

project size

95,000 sf

leed certification

Silver

reference

Mr. Robert P. Krause, PE, AIA
WV General Services Division
1900 Kanawha Blvd. East
Building 1 Room MB-60
Charleston, WV 25305
304-558-9018



Riverview at Clendenin School

Clendenin, WV

Omni Associates – Architects was chosen by Kentucky-based developers AU Associates to design the historic preservation, renovation, and conversion of the historic Clendenin School into a mixed-use building. Riverview at Clendenin School opened in October 2011 with two main uses: a non-profit community health center and 18 units of safe, quality, affordable housing for seniors. The health clinic includes an onsite dentist, radiology department, fully stocked pharmacy and physical therapy center. The project was recognized by the Preservation Alliance of West Virginia for “Best Use of Tax Credits.”

Funding for the renovation came from a combination of local, state and federal funding, with large portions coming through fed-

eral economic stimulus money, including a \$2.7 million grant from the West Virginia Neighborhood Stabilization Program and \$400,000 from the U.S. Department of Health and Human Services. Both grants were part of the American Recovery and Reinvestment Act. The U.S. Department of Agriculture is providing a \$1.2 million loan for 40 years at no more than 4.5 percent interest. About \$1 million in state and federal historic tax credits also will help fund the project.

services provided
Architectural Design
Historic Preservation
Renovation

year completed
2011

project cost
\$ 5.5 Million

project size
40,000 sf

awards | recognitions
2011 Historic Preservation Award
2016 Merit Award
Achievement in Design



Canaan Valley Institute

Research and Education Facility

Davis, WV

Canaan Valley Institute's 28,866 square feet headquarters and education facility located in Davis, West Virginia serves as a center for research into water and wastewater issues. In accordance with their mission of improving the environment by improving water quality, Omni Associates was commissioned to develop a "green" building that demonstrates environmentally friendly systems to visitors and its users. The \$8 million facility utilizes a number of "green" technologies, including a Living Machine system, a wastewater treatment system that uses plants and soils to clean the wastewater. Other "green" features include natural lighting and ventilation, a green roof, composting toilets, and rain water collection ponds.

services provided

Architectural Design
Design - Build

estimated project cost

\$ 8 Million

project size

28,866 sf



First Ward School Apartments

Elkins, WV

With the recent success of, Riverview at Clendenin School, Omni Associates – Architects was again chosen by developer AU Associates to bring the Elkins First Ward School restoration and adaptive reuse project to fruition. With the help of AU, the project received funding from the West Virginia Housing and Development Fund in the fall of 2011. Ground broke in August 2012 to begin the renovation for 16 affordable one- and two-bedroom apartments. The exterior was completely restored to its early 1900s Georgian-Revival style, and many of the key interior features reminiscent of the school days have been retained and preserved. The building was opened to tenants in July 2013.

First Ward School was constructed between 1908 and 1909 as a facility to educate the children of Elkins' rapidly expanding population at the turn of the 20th century. Its design of is attributed to Fairmont Architect Andrew C. Lyons, who is credited with the design of two similar schools – Elkins' Third Ward School and Fairmont's Fifth Ward School. First Ward is designed in the Georgian-Revival style and is constructed of locally available building materials, including hand-cut sandstone, brick, and native hardwoods.

First Ward was completed and opened for class in the fall of 1909. The eight room schoolhouse stands two-stories tall and has a full basement. The floor plan, very modern for its day, used a modified "H" and rows of large double-hung windows to flood the rooms in natural light for children's health. The floor plan also featured large open rooms, twin sets of staircases, and wide hallways. In 1910, First Ward School's modern design and architecture were highlighted in a publication by the WV Department of Free Schools on school architecture in West Virginia.

First Ward served as a school until 1976, when it was converted into a warehouse for the county school board. Fortunately, changes were minor, but little maintenance had been done since. The board transferred the vacant and deteriorated building to a local civic group (C-HOPE), which obtained a grant to repair the roof and stabilize the structure with a deadline to rehabilitate the building for community use within five years. Funding sources for the project included equity generated by federal housing and federal and state historic tax credits (syndicated by Community Affordable Housing Equity Corporation), general partner equity, and a first mortgage from C-HOPE.

services provided
Architectural Design
Design - Bid - Build

project cost
\$ 3 Million

project size
27,000 sf

awards | recognitions
AIA WV
2014 Merit Award
Achievement in Architecture

Preservation Alliance of West Virginia
2013 Historic Preservation Award

National Housing & Rehabilitation Association
2013 J. Timothy Anderson Award for
Excellence in Historic Restoration



KVCTC

Kanawha Valley Community and Technical College & West Virginia Higher Education Policy Commission

Institute, WV

One goal of recent higher education reform is to create a stronger community and technical college system able to provide specialized industry training as well as general college level education curriculum. In order to better facilitate that vision, Kanawha Valley Community and Technical College needed a new Headquarter Building to serve as its flagship structure and provide state-of-the-art space for administration, student services, current program offerings and future program expansion.

Phase I of the project was an in-depth evaluation of the existing 196,800 sf Dow Chemical Building to determine its suitability for continued use as a community and technical college with office space for an existing tenant. The initial evaluation included building codes compliance, ADA accessibility, building envelope analysis, MEP analysis, an existing conditions report, and conceptual energy calculations. Phase II was the development of retrofit alternatives for the existing building to house KVCTC utilizing a revised 85,925 square feet program. Services pro-

vided included the development of base plans of the existing facility, schematic design alternatives, assisting the owner with selecting a preferred scheme, determining the scope of work, preparation of a preliminary construction cost estimate as well as a design and construction schedule.

One challenge with this project, is that the project funding came from two different sources requiring separate Schedules of Value and Applications for Payment. Additionally, the project was constructed in three phases in order to rotate three separate tenants while space being renovated.

services provided
Full Architectural Services
Design –Bid - Build

year completed
2012

associate architect
DRS

project cost
\$ 25.18 Million
\$11.4 Million KVCTC
13.8 Million HEPC

project size
209,819 sf

kvctc renovation: 70,953 sf
kvctc addition: 14,174 sf
hepc renovation: 124,692 sf



Omni Associates - Architects

Corporate Offices & Design Studio

Fairmont, WV

The evolution of our design studios began in the 1860s and has since served as an American Legion Post, American Red Cross Chapter and most recently an eatery serving the historic downtown district.

Since our inception in 1980, Fairmont has been home to Omni Associates – Architects. Having finally outgrown available space in a dated professional building, a vacant structure in the Downtown Historic District of Fairmont was purchased to become our new corporate offices.

Last occupied by CJ Maggies Restaurant in 2012, 207 Jefferson Street has been home to the local American Legion Post and an American Red Cross Chapter, but its origin dates back to the 1860s when it was home to Aretas (A.B.) Fleming who would later become the 8th Governor of the State of WV from 1890-1893.

Interior renovations included the demolition of the former commercial kitchen, food preparation/storage, and dining areas on the main floor and a complete build out of

the second floor for offices and a small conference room. In keeping with green building standards flooring and other existing materials were re-purposed for use in the larger main floor conference room, production area and lobby. The exterior color scheme was changed to white and grey tones to reflect the original colors of the building.

Renovating the 12,000 sq. ft. building in a style and manner that blends the old woodwork, brick and stained glass with modern furniture, fixtures and lighting was challenging and rewarding to our team of seasoned architects, planners and designers.

services provided

Full Architectural Services
Entire Renovation &
Restoration

year completed

2016

project size

12,000 sf



West Virginia Radio & Pikewood Creative

Morgantown, WV

West Virginia Radio Corporation operates and/or controls a total of thirty-two radio stations – nineteen in the northern sector of the state and ten in the state capital region – based in six physical plants.

With adaptive reuse becoming more widely recognized as a solution for the growth and development of businesses, Greer Industries looked to one of its own old industrial buildings when it sought to relocate the corporate offices of West Virginia Radio.

Omni Associates—Architects was selected to designed the renovation and expansion of the former Dominion Post building located on Spruce Street in downtown Morgantown. Built in 1927, the building was transformed into the new home of West Virginia Radio Corporation and Pikewood Creative, a visual marketing agency. The building's main entrance is actually located on the fourth floor, which sits level with Spruce Street. West Virginia Radio occupies the street-level fourth floor, while Pikewood Creative occupies the third floor. The second floor is utilized as a recording and broadcast studio for talk shows distributed by Metronews Radio Network.

Omni's design focuses on maintaining and integrating the historic character of the building with a modern aesthetic that suits the context of the downtown area and satisfies the specialized technology needs of its occupants. Extending the building's façade created an opportunity to feature former exterior walls as architecturally compelling interior walls. Existing hardwood floors were refinished creating a captivating patina that speaks to the building's history. Modern finishes blend seamlessly with those that have stood the test of time to produce an aesthetic that reflects the structure's use and occupants.

services provided

Full Architectural Services
Design - Bid - Build
Total Renovation and Adaptive Reuse

year completed

2015

project cost

\$ 2.3 Million

project size

148,000 sf

reference

Dale Miller, President
West Virginia Radio
260 Spruce Street
Morgantown, WV 26505
304-296-0029



West Virginia University BRNI

Blanchette Rockefeller Neurosciences Institute Laboratory Fitout

Morgantown, WV

Omni Associates was selected to provide architectural and engineering services for the interior fit-out of unfinished spaces of the Blanchette Rockefeller Neurosciences Institute (BRNI) at West Virginia University. The spaces consist of 1,727 square feet of vivarium animal research rooms and working space for an electron microscope on the ground floor as well as 9,288 square feet of laboratory, office and conference room space on the first floor, including a multi-functional work space in the entrance lobby.

Because the building was partially occupied, special conditions were required during construction. All access to the building was through the exterior window system. In addition to the staffing working environment remaining intact, it was critical that animal research not be disturbed. Consequently, the timing of the project became a design element as there is only a two week period

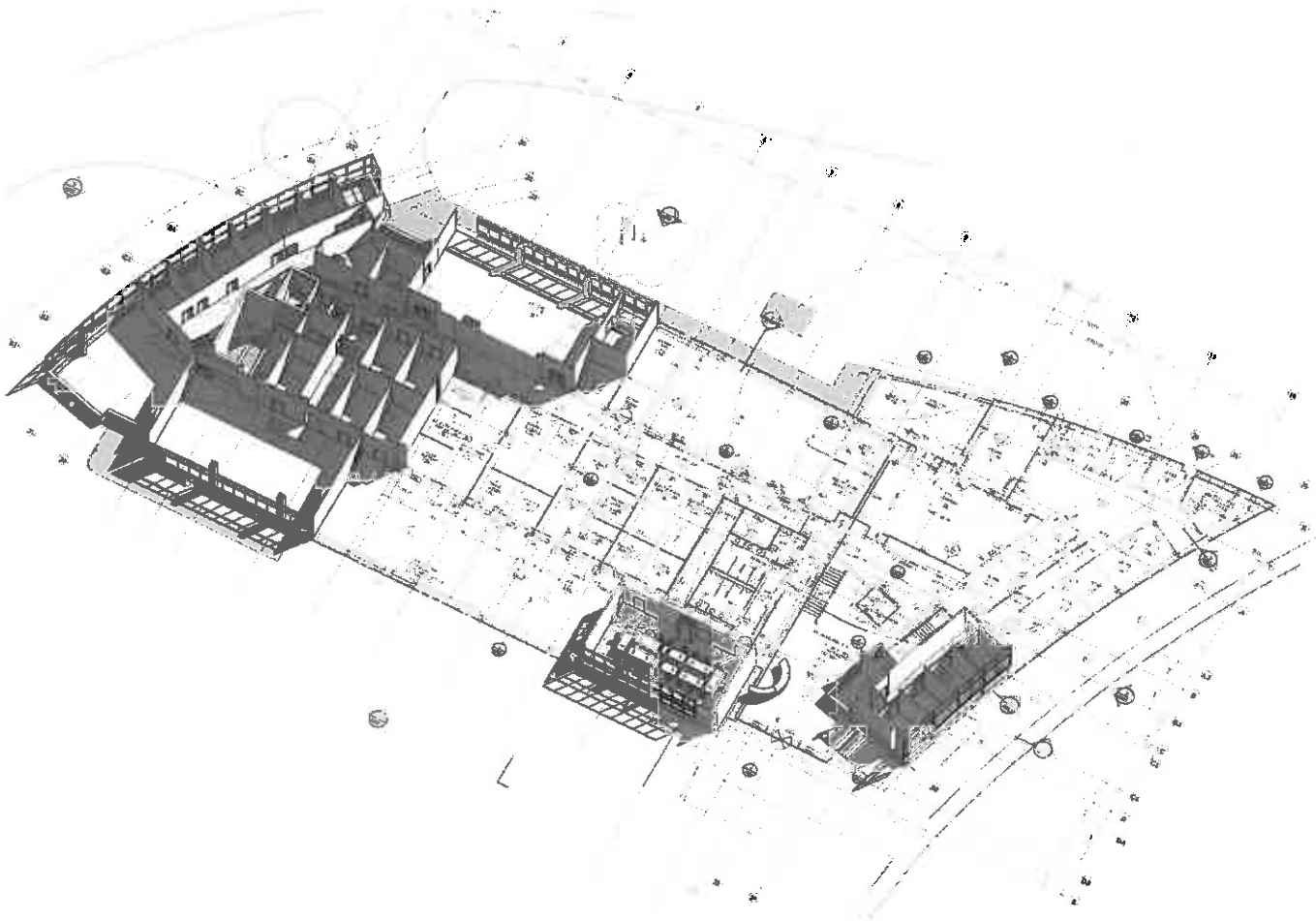
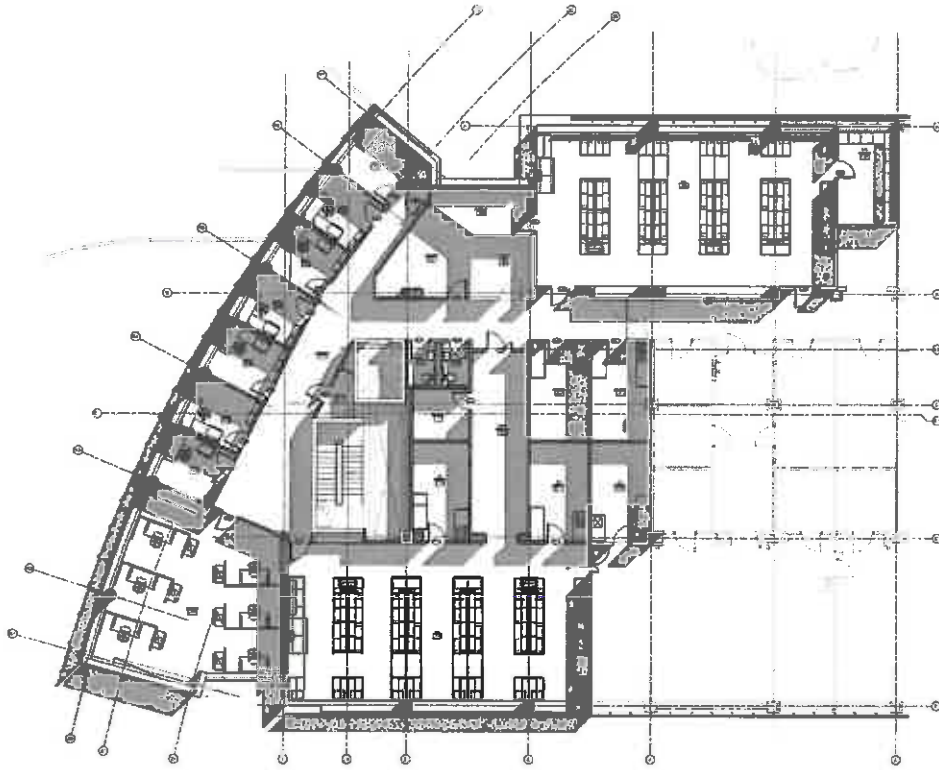
allotted for cutting and demolition work when animal research was between cycles.

The project included laboratory casework and some custom furniture millwork. The laboratory casework is custom designed and allows for multiple functions within the lab. Likewise, the conference room and support offices had custom furniture millwork designed to accommodate the specific needs and geometries of those spaces. Modifications to the existing HVAC ductwork, electrical system, plumbing system, sprinkler system, generator connection and life safety systems will be provided as needed to support the newly finished spaces.

services provided
Architectural Design
Design - Build

project cost
\$ 2.8 Million

project size
1,727 sf Vivarium
9,288 sf Lab and Office
11,105 sf Total Project





State of West Virginia

Clarksburg, West Virginia

CLARKSBURG STATE OFFICE BUILDING

H.F. Lenz Company provided the mechanical, electrical, plumbing, fire protection, and telecommunications engineering services for the design of a new 85,250 sq.ft., five-story office building to house seven West Virginia state agencies.

The HVAC system utilizes a chilled water system with ice storage to save energy costs. The majority of the building is served by three VAV modular air handling units located in the building penthouse. A Direct Digital Control (DDC) System provides the control for the HVAC system. The system interfaces with the current system that the State of West Virginia uses to monitor its buildings from a remote location in Charleston, WV.

Lighting relay panels provide 24/7 control of the lighting in the larger areas on the various floors. Relay panels are installed on all floors except the basement. Vacancy (Occupancy) sensors are installed in all areas not described above to provide automatic shut off lights. In areas subject to larger amounts of natural light, daylight harvesting sensors are placed near windows to step-dim (reduce light output to 50%) local light fixtures in response to amount of sunlight present within the space and save energy.

A Main Telecommunications Room (MTR) is provided that houses all the service entrance equipment for signal system demarcation points as well as distribution equipment to provide the buildings signal infrastructure. Intermediate Telecommunications Rooms (ITR), feed from MTR, are constructed on each floor and contain equipment to distribute signal systems to the end user.

The project was designed to achieve LEED Silver Certification.

State agencies began moving into the new building in 2016.

Meeting the Project Goals

An important goal of the project was to provide an energy efficient, state-of-the-art facility with sustainable design features capable of achieving LEED Silver Certification. H.F. Lenz Company helped meet this goal by designing an HVAC system that utilizes a chilled water system with ice storage to save energy costs. The lighting system design also contains several energy conserving elements.

Owner Contact: Mr. David Hildreth
304-558-0510



Robert F. Kennedy Department of Justice Building

Washington, D.C.

UPGRADE / MODERNIZATION OF FEDERAL BUILDING

The H.F. Lenz Company was responsible for the upgrade and modernization of the M/E systems in the seven-story, 1.3 million sq.ft. Main Justice Center in Washington, D.C. The building is listed on the **National Register of Historic Places**. The main goal of the project was to upgrade the Robert F. Kennedy Department of Justice Building, constructed in 1931, to provide a modern, energy efficient, flexible office building for the use of the U.S. Department of Justice.

Engineering Elements of the Project Included:

- › New 2,700-ton chiller plant with variable speed drive pumping and DDC controls
- › New central steam-to-hot water heating system
- › Electrical upgrade included three switchgear cubicles and eighteen 13.2 kV/480 V network transformers
- › Upgrade power distribution from 208 V to 430 V
- › Upgrade office lighting to 277 V high efficiency systems
- › Office HVAC retrofit with four-pipe fan coil units for heating and cooling
- › New sprinklers and fully addressable fire alarm system
- › New plumbing systems and emergency power system
- › Specialized environmental control for the Department of Justice Main Library and Archival Book Storage Room

The new HVAC, electrical, plumbing, and fire/ life safety systems were designed to have minimum impact upon the historic character of the building.

Meeting the Project Goals

The entire project had to be designed as a phased renovation to accommodate two-thirds of the building's occupants (including the Attorney General) who remained in the building throughout the construction period.

To achieve this, work on the building was accomplished in three separate phases. Portions of the building were vacated for construction, and when completed, reoccupied. H.F. Lenz Company worked with the Architect to coordinate the moves.

Owner Contact: Mr. Dean Smith
202-359-5720





Social Security Administration

Woodlawn, Maryland

ROBERT M. BALL FEDERAL BUILDING RENOVATION AND RETROFIT

The Robert M. Ball Federal Building (formerly the Woodlawn Operations Building) is a 1.2 million square foot structure in 3 ½ stories, which was constructed in 1959 to house the computer operations of the SSA. The Building is the largest structure on the 22-building campus.

H.F. Lenz Company provided the mechanical, electrical, plumbing/fire protection and telecommunications engineering services for the renovation and retrofit of the facility.

Electrical. In addition to the replacement of the entire electrical distribution system, the electrical scope of work included new lighting and power distribution for all office spaces. Key electrical aspects include: replacement of main switchgear and existing load centers; new distribution system; digital metering system monitored by a central PC; new generator; and complete life safety and emergency electrical system distribution.

Mechanical. The existing HVAC system consisted of 23 separate AHUs that were dispersed throughout the building and used a low-pressure air distribution system. The new system consists of six central station AHUs utilizing medium-pressure distribution. By strategically placing the reduced number of units in a central location, additional floor space was gained for tenant use. Units were custom designed to provide both redundancy and meet the indoor air quality requirements of ASHRAE Standard 62. A new DDC Energy Management Control System involving over 13,000 monitoring points was installed.

Telecommunications. Voice, data, and video cabling systems capable of evolving with the technologies of tomorrow was designed. The cabling systems are distributed through cable tunnels and under raised access floors. The data cable system design is for centralized network electronics and fiber to the desk.

Construction phasing was necessary to allow for the facility to remain occupied during construction. The project also included energy conservation measure upgrades and compliance with current codes and standards. Project is LEED Certified.

Meeting the Project Goals

The overall goal of the project was to provide the Social Security Administration with a facility that will meet tenant needs and support the agency as it advances into the future. To achieve this, the Project Team planned and designed a modern office facility characterized by modern workstations, state-of-the-art lighting, improved heating, ventilation, and air conditioning (HVAC) and a communications system capable of evolving with the technologies of tomorrow.

Owner Contact: Mr. John Morrell
215-446-4614

H.F. LENZ COMPANY

PROJECT EXPERIENCE



West Virginia University

Morgantown, West Virginia

PHASED RENOVATION AND LIFE SAFETY UPGRADES TO WHITE HALL

The H.F. Lenz Company provided mechanical, electrical, plumbing and fire protection engineering services for the phased renovation and life safety upgrades to the 95,500 sq.ft. White Hall. The building, which was originally constructed in 1942 as a high-rise, now houses classrooms, laboratories, offices and a 175 seat auditorium. The goal of the first phase of the project was to complete the interior demolition work while the second phase was to fit out the shell to match the requirements of the users.

The building will mainly be used by the Physics Department for research and instruction. With the researchers' expanding use of lasers, and the technologies associated with them, the need to design the project with low vibration creating equipment and high power capacity was a top priority. Flexibility for the laboratories was also a request of the university. Due to the constantly changing research and researchers, they needed to be able to quickly adapt to these changes. Therefore, each lab was fitted with a 400A-3 phase-208V panelboard and surface mounted raceway around the perimeter of the room that allows for receptacles to be placed wherever they may be required in the future. Electrical busway with capacity for future taps were provided vertically through the building and taps provided at the electrical closets on each floor for additional panelboards to be added in the future.

Meeting the Project Goals

The University wanted the ability to easily add laboratory space in the future without a major disruption to daily building operations. This was addressed by designing two classrooms with flexible HVAC and electrical systems that will allow conversion to laboratory space. The other classrooms were configured in a manner that will allow them to be used as teaching laboratories when required.

Owner Contact: Mr. John Sommers
304-293-2856



ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: GSD180000004

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

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

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

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

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

Omni Associates - Architects
Company


Authorized Signature

May 2, 2018
Date

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