

State of West Virginia

Department of Administration
General Services Division

Statement of Qualifications

Architectural & Engineering Design Services

Building 35 and Building 31 Assessment and Repairs

CEOI: 0211 GSD2400000003

February 22, 2024

RECEIVED

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WV PURCHASING
DIVISION



OMNI
ARCHITECTS

**EXPRESSION OF INTEREST
ARCHITECT AND ENGINEERING SERVICES
DEPARTMENT OF ADMINISTRATION
GENERAL SERVICES DIVISION**

**BUILDING 35 AND BUILDING 31
ASSESSMENT AND REPAIRS**

CEOI 0211 GSD2400000003

FEBRUARY 22, 2024

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February 22, 2024

Melissa Pettrey, Senior Buyer
State of West Virginia
Purchasing Division
2019 Washington Street, East
Charleston, WV 25305

Dear Ms. Pettrey:

Omni-Associates Architects is pleased to submit our qualifications to provide professional architectural and engineering services for the Multi-Systems Assessment and Repairs to Building 35 and Building 31.

Omni brings a deep portfolio of experience with similar projects completed for the State of West Virginia as well as several Federal and Local governmental agencies, K-12 Schools and private sector clients.

Our partners for this project includes: **H.F. Lenz Company**, who brings vast expertise in the assessment of specialized MEP/FP systems as well as the design of repairs for such systems and **Allegheny Design Services**, who will provide Structural Engineering services. Omni has a long history of successful project collaboration with these team members and each has been selected for their specific relevant project experience. We are a proven team uniquely qualified to offer you the following advantages:

- Comprehensive and quantitative assessment modeling
- Innovative cost saving design approach to minimize building costs;
- Sustainable energy efficient systems to minimize operational costs;
- Flexible building design to address current and future needs;
- A realistic design and construction schedule to meet your needs.

Thank you for giving us the opportunity to present our credentials. We would greatly appreciate the opportunity to meet with the selection committee to further discuss our experience and qualifications.

Best regards,
OMNI ASSOCIATES – ARCHITECTS, INC.

A handwritten signature in blue ink that reads 'David E. Snider'.

David E. Snider AIA, NCARB,
Principal

TAB 1

LETTER OF INTEREST

TAB 2

**APPROACH TO GOALS
AND OBJECTIVES**

TAB 3

**DESIGN TEAM
QUALIFICATIONS**

DESIGN TEAM QUALIFICATIONS

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 and experience 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 public safety 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 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 project team goes beyond our in-house staff however. Omni 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.

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.

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.

DESIGN TEAM QUALIFICATIONS cont'd

Omni Associates - Architects 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 your entire project in advance of bidding and work extensively with you to achieve alternates to program goals. Construction documents are prepared and bid to multiple general contractors to achieve competitive pricing. Omni has successfully negotiated with contractors to maintain changes and costs to a minimum and still achieve the initial time schedule.

Omni has also worked on "fast-track" and "multiple-prime" contract projects to achieve an accelerated building construction time schedule. 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

More and more owners and developers are 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 and has contracted with owners and with general contractors to achieve this streamlined method of project delivery for two West Virginia schools as well as numerous private Owners. Additionally, Senior Principal, Richard T. Forren is a member of the West Virginia Design Build Board.

Construction Administration

Omni has worked on projects for only 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 TEAM QUALIFICATIONS cont'd

Upgrading existing technology and utilizing the latest design tools available is a key component of our business model. Technology facilitates innovative design, results in economic benefits for our clients, and enhances communication with clients and consultants.

BIM: Building Information Modeling

In 2006, Omni Associates began the transition from traditional CAD software to Autodesk® Revit® Building Information Modeling (BIM). We immediately recognized the basic benefits to both designers and owners: more efficient, cost-effective project delivery, and an accurate building model that can later assist in both energy analysis and building management.

Omni implemented the use of BIM as our primary software platform for all projects in 2006. In utilizing BIM, we discovered the real depth of its value.

With a virtual model of the building, clients can clearly see the design intent as the project progresses and design options can be explored with greater ease than ever before.

Sharing the model among all disciplines as the design progresses allows early input from all of the design professionals involved, resulting in efficient designs.

Creating a building in the virtual world before constructing it in the real world allows the design team to anticipate conflicts and objections before they arise, eliminating many issues which could result in project change orders or Requests For Information from the contractor.

Omni is proud to show that we do not just use Revit software, but we are adept at utilizing it, and can provide skilled support as needed.

Omni Project Manager, Reuben Losh is now an Autodesk Revit Architecture 2011 Certified Associate.

Electronic Submission of Project Documents

Since 2007, Omni has utilized a web-based solution for secure file storage and project team collaboration. The site employs a simple and intuitive interface, similar to social networking sites, that is much easier to navigate than an FTP site. This encourages communication among team members while leveraging the security of data encryption and controlled access.

This tool supports building information modeling (BIM) workflows and can be used throughout all phases of a project for such tasks as file storage, RFI and Shop Drawing management, and project milestone tracking. Since these processes are electronic, the time it would take to mail or fax documents is eliminated and project information is centralized. Project information is hosted on secure third-party servers, which means that it is available to team members from wherever they have internet access. The Owner and Architect work together to determine to whom and to what extent site access is given.

OMNI

ARCHITECTS

PRINCIPAL OWNERSHIP

Richard T. Forren, AIA, *President*
Adam L. Rohaly, AIA, *Vice President*
David A. Stephenson, *Treasurer*
John I. Rogers, III, *Secretary*
David E. Snider, AIA, *Member*

REGISTERED ARCHITECTS

Mariah Falcon, AIA

DESIGN STUDIO

Daniel Baldwin: Project Manager; REVIT Operator
Sarah Crumit: Intern Architect; REVIT Operator
Rich Greathouse: REVIT Operator
Riley Hardesty: Intern Architect; REVIT Operator
Reuben Losh: Project Manager; REVIT Operator
Greg Morris: Intern Architect; REVIT Operator

ARCHITECT EMERITUS

Stephen A. Barnum
Founding Member
Established 1980

INTERIOR DESIGN

Catherine Testerman

PROJECT SUPPORT

Shelly McLaughlin-Snider, Project Administrator

ADMINISTRATIVE SUPPORT

Eileen Layman, CPA
Katie Nunan, Administrative Assistant
Allison Paton, Accounting Manager

TAB 4

PROJECT TEAM

DAVID E. SNIDER, AIA, NCARB

PRINCIPAL - OWNER, PROJECT ARCHITECT

David joined Omni Associates in 1995 and became a Principal Architect in 2015. In 2022, David became an Owner in the firm.

David's practice has included diverse project types including primary, secondary, and higher-education facilities, office buildings, secure, mission critical facilities, health care facilities, commercial design, multifamily and single-family housing, and manufacturing facilities.

David has extensive experience with the preparation of construction documents, material specifications, and bidding documents as well as construction administration. Known as one of Omni's most effective project managers.

T: 304.367.1417 M: 304.844.0877 E: dsnider@omniassociates.com

RECENT AND NOTEABLE EXPERIENCE

David has been involved in the following projects:

Town of White Hall: Municipal & Public Safety Building <i>White Hall, WV</i>	Fairmont State University <i>Fairmont, West Virginia</i> <ul style="list-style-type: none">• Wallman Hall Renovations• Colebank Hall Renovations
WV High Technology Foundation: White Collar Crime Offices <i>Fairmont, WV</i>	United Technical Center <i>Clarksburg, West Virginia</i>
WV High Technology Foundation: White Collar Crime Data Center <i>Fairmont, WV</i>	Wardensville Community Center <i>Wardensville, West Virginia</i>
Confidential Client: Secure Facility <i>Mid-Western United States</i>	Pendleton County Courthouse <i>Franklin, West Virginia</i>
Northrup Grumman <i>Fairmont, West Virginia</i>	Morgantown Utility Board Office <i>Morgantown, West Virginia</i>
West Fairmont Middle School <i>Fairmont, West Virginia</i>	Confidential R&D Facility <i>Northeastern, United States</i>
Robert C. Byrd Aerospace Center <i>Bridgeport, West Virginia</i>	
Confidential Secure Inspection Facility <i>Mid-Western, United States</i>	

EDUCATION

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

REGISTRATIONS & 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 Colorado, Ohio, Michigan and West Virginia

MARIAH FALCON

Project Manager

Mariah joined Omni Associates in May of 2021. Previously worked as an Intern Architect for the Mills Group. Prior to joining Omni Mariah worked as a BIM Application Specialist for MicroCAD providing training and detailed instruction for various architectural and engineering software including REVIT and CAD.

In her short time at Omni, Mariah has demonstrated the ability to quickly understand project development and management with a keen sense to think beyond the parameters of the task before her.

T: 304.367.1417 E: mfalcon@omniassociates.com

RECENT AND NOTEABLE EXPERIENCE

Mariah has been involved in the following projects:

- Moorefield Volunteer Fire Company:
New Fire Station
Moorefield, WV
- First Exchange Bank:
Renovation of existing building for a
new branch bank
Morgantown, WV
- Mountain Laurel Medical Center:
Renovation/addition to existing
building for a new medical clinic
Westernport, MD

EDUCATION

Master of Architecture: Lawrence
Technological University 2017

Master of Architecture:
University of North Carolina at
Charlotte; 2012

B.S. Architecture: Fairmont State
University; 2011

REGISTRATIONS &

AFFILIATIONS

U.S. Green Building Council, Firm
Membership

Associated Builders and Contractors
Inc., Firm Membership

DAN BALDWIN

Project Manager/Revit Operator

Dan joined Omni Associates in 2017 after a 30 plus year career in the construction industry focusing on residential and light commercial projects. Dan's vast experience includes working with clients from concept to completion; performing material take offs and scheduling; Code compliance and Quality Control.

T: 304.367.1417 E: dbaldwin@omniassociates.com

RECENT AND NOTEABLE EXPERIENCE

Dan has been involved in the following projects:

Confidential Data Center; Mid-Western, United States
Private Residential Home; Pete Dye Golf Course, *Bridgeport, WV*
Private Residential Home; Northwood Estates, Fairmont, WV
Private Residential Home; Bridgeport, WV
Loganwood Apartments; Logan, WV
Gladeview Apartments; Cowen, WV
Fairlawn Apartments; Charleston, WV
Lauryn Gardens Apartments; Mason County, WV
Hauge Garden Apartments; Fairmont, WV
Diamond Street Apartments; Fairmont, WV
Laurel Creek Apartments; Fayetteville, WV
Baltimore Gardens; Keyser, WV
Maplewood Gardens; Moorefield, WV

EDUCATION

B.S. Architectural Engineering Technology
Fairmont State College - 1990

REGISTRATIONS & AFFILIATIONS

U.S. Green Building Council,
Firm Membership
Associated Builders and Contractors Inc.,
Firm Membership
WV Code Officials Association
WV Master Plumber - License#PL08877

David R. Simpson, PE, MBA

President / Principal Engineer

40+ Years' Experience



Allegheny
Design Services
Consulting Engineers

Professional Registrations:

Year first registered: 1984
West Virginia, Pennsylvania, Maryland, Virginia, Florida, New York, North Carolina, South Carolina, Ohio,

Professional Experience:

Responsible for strategic management, marketing, quality control, personnel development, business development, project management and design at Allegheny Design Services. Experience includes over 40 years in structural design and project management for industrial, commercial, institutional, and nuclear/chemical facilities utilizing steel, concrete, masonry, and wood. Past accomplishments include design and construction administration of health care facilities, hotels, schools, shopping centers, aircraft hangars, numerous retail facilities, and numerous forensic engineering assignments. Experience has been obtained from the following assignments:

Project Experience Includes:

WVU Rockefeller Neuroscience Ins. Innovations Center, Morgantown, WV
Biomedical Science Tower, BST3, Univ. of Pittsburgh, PA
UPMC Hillman Cancer Center
Mon Power Regional Headquarters
Aquatic Center, Mountaineer Center for Wellness & Edu.
GSD Fairmont- State Office Building
The Marshall Foundry-Welding & Robotics Center
The Health Plan Corporate Office Headquarters
West Virginia University Milan Puskar Stadium North End Expansion
West Virginia University Milan Puskar Center, Swimex Building
West Virginia University Biomed Facility Structural Steel Connection Design
West Virginia University Basketball Practice Facility
West Virginia University Honors Dormitory
WVU University Park Dormitories
WVU University Place Parking Garage
WVU Puskar Stadium North End Renovations
WVU Monongalia County Park Baseball Stadium & Ballpark
WVU Parkersburg New Science Wing Conversion
WVU Intermodal Transportation Center

Education:

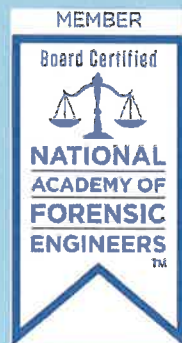
West Virginia Institute of Technology
B.S. Civil Engineering

West Virginia University
Masters Business Administration

West Virginia State College
Architectural Technology Courses

Professional Memberships:

American Society of Civil Engineers,
Structural Engineering Institute, Charter
Member, American Concrete Institute,
American Institute of Steel Construction, Inc.,
American Iron and Steel Institute Member,
National Academy of Forensic Engineers



102 Leeway Street
Morgantown, WV 26505
304-599-0771

Jason D. Robinson, P.E., Vice President / Managing Principal 15+ Years' Experience



Allegheny
Design Services
Consulting Engineers

Professional Registrations:

Year first registered: 2012

Professional Engineer – West Virginia, Pennsylvania, Maryland,
Kentucky, Nebraska, Mississippi and Alabama

Professional Experience:

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

Project Experience Includes:

WVU Rockefeller Neuroscience Ins. Inn. Cntr, Morgantown, WV
WVU Cancer Center RTU Roof Analysis, Morgantown, WV
University Place Parking Garage, Morgantown, WV
University Park Mixed Use Building, Morgantown, WV
GSD Fairmont– State Office Building
The Health Plan Corporate Office Headquarters, Wheeling, WV
Mountaintop Beverage Company, Morgantown, WV
Black Oaks 2 Office Building, Cheat Lake, WV
Doddridge County Schools Pre-K Daycare Facility, West Union, WV
Pikewood Creative Addition and Renovation, Morgantown, WV
Bridgeport Public Safety Substation, Bridgeport, WV
Canaan Valley Institute, Davis, WV
Fairmont AFRC, Fairmont, WV
Genesis Youth Crisis Center, Clarksburg, WV
Goshen Baptist Church, Morgantown, WV
GSA DOE, Morgantown, WV
ICC Parish Center, Clarksburg, WV
GSA, Charleston, WV
WVU Child Development, Morgantown, WV
White Oaks Progress Center, Bridgeport, WV
Thrasher Office Building, Bridgeport, WV
Courtyard Marriott– University Towne Center, Morgantown, WV
Morgantown Event Center, Morgantown, WV
Hawthorn Suites by Wyndham, Bridgeport, WV
Hawthorn Suites by Wyndham, Wheeling, WV
Chestnut Ridge Church, Morgantown, WV
WVU Greenhouse Building, Morgantown, WV

Education:

West Virginia University
B.S. Civil Engineering

Professional Registrations:

Professional Engineer – West Virginia
Pennsylvania, Maryland, Kentucky, Nebraska,
Mississippi and Alabama

Experience Record:

Allegheny Design Services, LLC
June 2007 to Present

Professional Memberships:

Member of AISC
Associate Member of ASCE



102 Leeway Street
Morgantown, WV 26505
304-599-0771
Jason@AlleghenyDesign.com

Bryan R. Gallion, EIT, Staff Engineer 6+ Years' Experience (ADS)



Allegheny
Design Services
Consulting Engineers

Professional Experience:

Graduate Research Assistant, WVU - June 2014 - May 2016

Instrumented an eSpan140 demonstration bridge in Jesup, Iowa with strain gages. Applied an AASHTO HL-93 vehicular live load to the bridge while collecting strain measurements to determine if the design moment capacity was met.

Graduate Teaching Assistant, WVU—August 2014 - May 2016

Steel Design, Structural Analysis II, and Structural Analysis I
Assisted the professor with creating homework's and tests, along with solutions and as well as grading all assignments
Provided out-of-class assistance to students having difficulties with course content.

Undergraduate Student Research Assistant, WVU—Summer 2013

Constructed wooden frame and poured concrete deck for simply supported cold press braked steel tub girder in WVU's structures lab under the supervision of my advisor / professor . Drew AutoCAD layouts of the girder and supports

Project Experience Includes:

The WVUH Residential Treatment Center at Mylan Park, Morgantown, WV
WVU Coliseum Visitor Center, Morgantown, WV
Health Access Addition, Clarksburg, WV
Woodburn School ADA Improvements, Morgantown, WV
Mylan Suburban Lab Renovation, Morgantown, WV
Pressley Ridge, Clarksburg, WV
Tampa Bay Humane Connections, Tampa Bay, Florida
Grand Central Mall Connections, Vienna, WV
Ruby Memorial Roof Screen & Duct Enclosure, Morgantown, WV
St. Mary's Church Addition, Petersburg, WV
Jefferson County Visitor's Center Renovation, Jefferson County, WV
White Hall Public Safety Building, White Hall, WV
Sabraton Popeye's, Morgantown, WV
Morgantown Energy Platforms, Morgantown, WV
Preston Machine Hopper Analysis, Kingwood, WV
Jewel City Church, Shinnston, WV
Spencer USPS, Spencer, WV
Brownsville Marine Rack Analysis, Brownsville, PA
HP Hood Building Addition, Winchester, VA
453 Oakland St Light Gage Design, Morgantown, WV
Woodford Oil Mezzanine, Morgantown, WV
7 Players Club Drive, Charleston, WV
Hampton Inn, Weston, WV
Keyser Block Factory, Keyser, WV

Education:

West Virginia University
B.S. Civil Engineering

West Virginia University
M.S. Civil Engineering

Professional Registrations:

West Virginia EIT Certification

Experience Record:

Allegheny Design Services, LLC
May 2016 to Present

Professional Memberships:

American Society of Civil Engineers



102 Leeway Street
Morgantown, WV 26505
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Brady R. Hillegas, EIT, Jr. Structural Engineer 3 + Years' Experience



Allegheny
Design Services
Consulting Engineers

Professional Experience:

Responsibilities include structural engineering design and production of construction documents with Revit.

Experience Record:

Allegheny Design Services, LLC, Jr. Structural Engineer
May 2020 to Present

Project Experience Includes:

Mountaintop Beverage, Morgantown, WV
Appalachian Headwaters, Lewisburg, WV
Blue Sulphur Springs Roof Restoration, Greenbrier County, WV
1306 Market Street Phase II, Wheeling, WV
Ruby Center Addition, Morgantown, WV
Blackwater Falls Lodge Renovations, Davis, WV
Dan Cava Buick Addition, Bridgeport, WV
DEA Flexible Operations Facility Foundation Design, Quantico, VA
Dominion Mt. Storm Renovations, Mount Storm, WV
Benedum Airport Hangar Expansion Foundation Design, Bridgeport, WV
Palatine Park Amphitheater Canopy, Fairmont, WV
Mountaintop Beverage Connection Design, Morgantown, WV
CEC Crane Upgrade Design, Madsville, WV
Building Conversion for RV Dealership, Mt. Morris, PA
Ameresco Norfolk Combined Heat and Power Plant Connection Design, Portsmouth, VA
Chestnut Mountain Ranch Chapel, Morgantown, WV
Wheeling Health Right Addition, Wheeling, WV
Stengers Car Wash Renovation, Morgantown, WV
Mon General Medical Office Building Renovations, Fairmont, WV
Ramada Inn Redevelopment, Morgantown, WV
Harvest Care Facility Foundation Design, Bridgeport, WV
TCS Shop Foundation Design, Anmoore, WV

Education:
West Virginia University
B.S. Civil Engineering

Professional Registrations:
West Virginia EIT Certification

Continuing Education:
SE University multiple structural technical training webinars.
AISC Night School— Fundamentals of Welding and Bolting— Fall 2021
Woodworks— Essential Design & Detailing Aspects of Mid-Rise Wood-Frame Construction—March 18, 2021



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BHillegas@AlleghenyDesign.com

Jason M. Conrad

Engineering Technician

5+ Years' Experience



Allegheny
Design Services
Consulting Engineers

Professional Experience:

Responsibilities include assisting in structural engineering design, construction documents, field investigations, and administrative duties.
Autodesk Certified Professional in Revit for Structural Design

Continuing Education:

SE University Technical Training
Autodesk - Revit Courses

Project Experience Includes:

461 High St Apartments & Retail, Morgantown, WV
AOPi Sorority House Renovations, Morgantown, WV
Aurora Flight Science Addition, Bridgeport, WV
Boparc Ice Arena Renovations, Morgantown, WV
BSA Yamagata Lodge, Glen Burnie, WV
BSA Campus Bunkhouse, Glen Burnie, WV
Center Branch Church, Clarksburg, WV
Davis & Elkins Myles Center Of The Arts, Elkins, WV
Eastpointe Plaza Retail Building Bridgeport, WV
High Tech Foundation Parking Garage, Fairmont, WV
Jefferson County CVB Addition, Harpers Ferry, WV
Joe Romeo Pre-Owned Office, Fairmont, WV
KCI Building Renovation, Clarksburg WV
Medbrook Office Alterations, Clarksburg, WV
Mountaineer Station Pedestrian Bridge Enclosure, Morgantown, WV
Mylan Parking Garage, Morgantown, WV
Ohio Valley Bank, Wheeling, WV
Pleasant Street Parking Garage, Morgantown, WV
Riverside Commons Deck Design, Fairmont, WV
Shogun Restaurant, Clarksburg, WV
Standard Mill Lofts, Clarksburg, WV
Steak n' Shake, Morgantown, WV
Waterfront Morgantown Events Center, Morgantown, WV
Westridge Corporate Park, Morgantown, WV
WVU Medicine Pedestrian Bridge, Morgantown WV
WVU Medicine Neuroscience Addition, Morgantown, WV

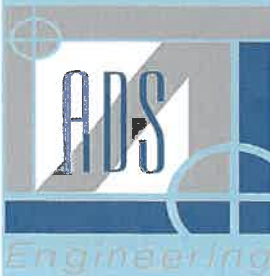
Education

Wentworth Institute of Technology - Boston, MA

West Virginia University - Morgantown, WV
Landscape Architecture

Fairmont State University - Fairmont, WV
B.S Architectural Engineering Technology
Autodesk Certified Professional in Revit for
Structural Design –

Experience Record:
Allegheny Design Services, LLC
January 2018 to Present



102 Leeway Street
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JConrad@AlleghenyDesign.com

Daniel T. Leslie, P.E.
Associate Engineer
5+ Years' Experience



Allegheny
Design Services
Consulting Engineers

Professional Registrations:

Year first registered: 2023

Professional Engineer – West Virginia

Professional Experience:

Responsibilities include structural engineering design, construction documents, quality control and field engineering. Proficient with the design and detail of building systems including wood, light gauge, steel, and concrete. Experience with the structural renovation of historic buildings and research in antiquated building systems.

Project Experience Includes:

Previous Employer

Numo Renovation, Pittsburgh, PA
Greylock FCU, Hudson, NY
Dime Bank, Greentown, PA
Fulton Bank, Hagerstown, MD
Investment Savings Bank, Altoona PA
Independence Middle School Renovation, Bethel Park, PA
Waynesburg Central High School Renovation, Waynesburg, PA
Laurel Valley Golf Club Guest Cottages, Ligonier, PA
Grist House Brewery, Millvale, PA
Municipal Water Authority of Adams Township, Mars, PA
Pratt & Whitney RTU Support, Bridgeport, WV
U-Haul Moving & Storage, Erie, PA
Kalsey Insurance Addition, Waynesburg, PA
Yamaha Additions, Waynesburg, PA

Allegheny Design Services

Marshall Foundry Robotics & Welding Lab, Huntington, WV
Childers Crossing Apartments, Huntington, WV
Patriot Center Apartments, Wood County, WV
Triadelphia Landing, Man, WV
George Street Apartments, Beckley, WV

Education:

West Virginia University
B.S. Civil Engineering

Professional Registrations:

Professional Engineer – West Virginia

Experience Record:

Allegheny Design Services, LLC
September 2023 to Present

MR Structures, LLC

March 2018 to August 2023

Professional Memberships:

American Concrete Institute
American Institute of Steel Construction



102 Leeway Street
Morgantown, WV 26505
304-599-0771
Daniel@AlleghenyDesign.com



Education

Bachelor of Architectural Engineering, 1995, The Pennsylvania State University

Experience

H.F. Lenz Company 1995-Present

Professional Registration / Certification

Licensed Professional Engineer in all 50 states and DC

LEED Accredited Professional

Scott A. Mack, P.E., LEED AP Principal-in-Charge

Mr. Mack has over 27 years of experience and is responsible for the engineering design of all trades, the supervision of senior designers, the conceptualization of systems, 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 educational, commercial, government, residential, industrial, and utility related facilities. He is experienced in the design of HVAC central heating and cooling plants, geothermal systems, air systems, building automation systems, plumbing and fire protection. Scott has a strong personal commitment to providing sustainable, energy conscious design solutions to all projects.

Project Experience

SSA Robert M. Ball Federal Building, Woodlawn, MD

- Feasibility study, renovation, and retrofit for the 1,200,000 SF federal facility

Robert F. Kennedy Department of Justice, Washington, D.C.

- Engineering upgrades and modernization to seven-story, 1,300,000 SF Main justice Building

U.S. General Services Administration IDIQ Contract, Region 3, North Service Center

- Various renovations, upgrades and studies for Federal Buildings and Courthouses under a term contract

Ready City Hall, Reading, PA

- HVAC Upgrades - Current Project

New Bucks County Justice Center, Doylestown, PA

- Lower Bucks Government Service Study for renovations and multiple county buildings - Current Project
- New 265,000 SF facility designed to attain LEED Silver

Franklin County Courthouse, Franklin County, PA

- Renovation of the existing historic Courthouse, the Courthouse Annex and a new Courts Building, as well as renovations and additions to the existing County Administrative Annex, and construction of a new Archives Building

Buchanan County Courthouse & Government Center, Buchanan County, VA

- 15,000 SF addition and 40,000 SF renovation of the historic courthouse facility

University of Pennsylvania, Philadelphia, PA

- 17,000 SF feasibility study and assessment for the design for the renovations of College Hall



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 PA

LEED Accredited Professional

John C. Stewart, P.E., LEED AP Chief Mechanical Engineer

Mr. Stewart has over 35 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

SSA Robert M. Ball Federal Building, Woodlawn, MD

- Feasibility study, renovation, and retrofit for the 1,200,000 SF federal facility

U.S. General Services Administration IDIQ Contract, Region 3, North Service Center

- Various renovations, upgrades and studies for Federal Buildings and Courthouses under a term contract

Ready City Hall, Reading, PA

- HVAC Upgrades - Current Project

New Bucks County Justice Center, Doylestown, PA

- Lower Bucks Government Service Study for renovations and multiple county buildings - Current Project
- New 265,000 SF facility designed to attain LEED Silver

Franklin County Courthouse, Franklin County, PA

- Renovation of the existing historic Courthouse, the Courthouse Annex and a new Courts Building, as well as renovations and additions to the existing County Administrative Annex, and construction of a new Archives Building

Buchanan County Courthouse & Government Center, Buchanan County, VA

- 15,000 SF addition and 40,000 SF renovation of the historic courthouse facility

University of Pennsylvania, Philadelphia, PA

- 17,000 SF feasibility study and assessment for the design for the renovations of College Hall

Town Place Mall (Kossmann Development), Pittsburgh, PA

- Evaluation of an existing pre-cast, two-level parking garage consisting of 241,892 SF on the lower level and 243,580 SF on the upper level and conceptual design of a new two-level pre-cast parking garage



Thomas W. Hovan, P.E. **Mechanical Engineer**

Mr. Hovan has 24 years' experience, 11 years of which have been with HFL. He specializes in the design of mechanical systems for a variety of public, correctional, educational, laboratory, office, aviation, and transit facilities. He has experience in design of heating, ventilating, and air conditioning systems involving the use of steam, chilled water, hot water, refrigeration, and air distribution systems. Mr. Hovan has performed engineering analysis, system design, field survey of existing conditions, construction administration, and cost estimating. He has particular expertise in the area of automatic temperature controls and the use of such systems for energy conservation.

Education

Bachelor of Science, Mechanical Engineering, 1996, The Pennsylvania State University

Experience

H.F. Lenz Company 2014-Present & 2002-2006 • Burt Hill – Stantec 2007-2014 • Reese Engineering 2006-2007 • Daniel, Mann, Johnson, and Mendenhall 1997-2002

Professional Registration / Certification

Licensed Professional Engineer in VA

Professional Affiliations

American Society of Heating, Refrigerating, and Air Conditioning Engineers

Project Experience (*indicates previous experience)

Ready City Hall, Reading, PA

- HVAC Upgrades - Current Project

New Bucks County Justice Center, Doylestown, PA

- Lower Bucks Government Service Study for renovations and multiple county buildings - Current Project
- New 265,000 SF facility designed to attain LEED Silver

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Buchanan County Courthouse & Government Center, Buchanan County, VA

- 15,000 SF addition and 40,000 SF renovation of the historic courthouse facility

Dickenson County Justice Center, Clintwood, PA

- New three-story, 35,542 SF Justice Center

Department of Justice*, Washington, DC

- Renovation of the J. Edgar Hoover building included controls upgrade from pneumatic to DDC
- Renovation of the J. Edgar Hoover building laboratory included survey, concept design, hazardous material remediation, and evaluation reports of existing labs to be converted to offices

Department of Justice*, Quantico, VA

- Facilities support services for the FBI Academy that included design, construction administration, evaluation and report, and design reviews



Education

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

Experience

H.F. Lenz Company 1999 – Present • L. Robert Kimball & Associates 1996 – 1999 • Leach Wallace Associates, Inc. 1990 – 1996 • E.A. Mueller, Inc. 1988 – 1990

Professional Registration / Certification

Licensed Professional Engineer in PA, AL, CA, DC, FL, IA, KS, KY, LA, MA, MD, MI, MO, NC, NE, NM, NV, NY, OH, RI, SC, TN and WV

Professional Affiliations

Institute of Electrical and Electronics Engineers, Inc.

Steven P. Mulhollen, P.E.
Electrical Engineer

Mr. Mulhollen has 35 years' experience, 24 years of which have been with HFL. He specializes 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 courthouses, offices, correctional, educational, institutional, industrial, health care, and commercial facilities.

Project Experience

SSA Robert M. Ball Federal Building, Woodlawn, MD

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Gregory D. Rummel, CPD
Plumbing/Fire Protection Lead 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, Mechanical Engineering Technology, 2000, Point Park College

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

Experience

H.F. Lenz Company 1989- Present

Newport News Ship Building
1984-1989

Professional Registration / Certification

Certified in Plumbing Design, ASPE

Project Experience

SSA Robert M. Ball Federal Building, Woodlawn, MD

- Feasibility study, renovation, and retrofit for the 1,200,000 SF federal facility

U.S. General Services Administration IDIQ Contract, Region 3, North Service Center

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Town Place Mall (Kossman Development), Pittsburgh, PA

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TAB 5

PAST PROJECTS

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 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/ Interior Design
Engineering services

DELIVERY METHOD

Design-Build

PROJECT SIZE

27,000 SF

PROJECT COST

\$3 million

YEAR COMPLETED

2013

AWARDS | RECOGNITIONS

Preservation Alliance of
West Virginia Historic Preservation
Award—2013

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



ADAMS STREET PARKING GARAGE

Marion County



SERVICES PROVIDED

Architectural Design
Engineering Services

DELIVERY METHOD

Design-Build

PROJECT SIZE

21,600 SF

PROJECT COST

\$3.3 million

YEAR COMPLETED

2005

Through a competitive process, the City of Fairmont selected Omni Associates—Architects to design a new structured parking facility in the Downtown Historic District in 2002.

The project was originally planned by the City of Fairmont to be a 5-story structure at the corner of Adams and Madison Streets with an attached 2-story wing behind the principal structure that would accommodate 500 vehicles. Planning for the project was done in anticipation of applying to the State of West Virginia under the Economic Development Grant Program launched by then Governor Bob Wise. The City saw the parking facility as being key to the redevelopment of the 400 block of Adams Street and to support the employment growth at the adjacent Veterans' Square building. Omni assisted the City in applying for \$5,000,000 in project funding.

Ultimately, the City of Fairmont was awarded \$2,500,000 by the Economic Development Grant Committee and issued parking revenue bonds for the project, which Omni redesigned into a 4-story structure that would accommodate 265 vehicles.

The facility includes an elevator, two stair towers and a short bridge on the third level that connects the garage to the adjacent Elks Lodge. A diesel generator provides emergency power to the facility and Omni designed the structure using over-sized footings that would allow additional parking decks to be added to the facility in the future. Omni also designed the facility to allow for horizontal expansion should the City decide in the future to expand the parking garage behind the principal structure as originally planned.

LUMBERPORT ELEMENTARY SCHOOL

Harrison County Board of Education



SERVICES PROVIDED

Architectural &
Engineering Services

DELIVERY METHOD

Design-Build

PROJECT SIZE

40,000 SF

PROJECT COST

\$9 million

YEAR COMPLETED

2012

Omni Associates—Architects was selected by the Harrison County Board of Education to design and provide construction administration for a new elementary school in Lumberport, West Virginia.

The existing elementary school had been built in 1921 and was no longer able to meet ADA requirements. Other health and safety issues included the lack of an elevator, insufficient restrooms, and ground water problems in the basement classrooms.

It was determined that a new school would be built on the existing school property. The existing school remained in operation during construction, and access to the school for buses, students, and deliveries had to be coordinated during that period. A separate gymnasium was added to the project to be built after the existing school was demolished. It was sized for Middle School Athletic Activities and will be shared between the elementary and middle schools.

In accordance with the West Virginia Department of Education “Handbook on Planning School Facilities” and the “SBA Guidelines and Procedures Handbook”, Omni Associates designed a 40,000 square foot building that nearly doubled the space of the existing school. The facility consists of a one-story main building with a two-story classroom wing.

Construction bids for the project came in under budget, and the project was delivered utilizing multiple prime contracts. The school opened on time for the 2011-2012 school year.

SIMPSON ELEMENTARY SCHOOL

Harrison County Schools
Bridgeport, WV



The project included design and construction administration for seven new classrooms and an upgraded kitchen/lunch room. The design solution was a one-story addition with a pod of four classrooms on one side of a sidewalk and three rooms on the other side of the sidewalk that include a music room and an art room. By separating the spaces, natural light was available in all classrooms. With an efficient design, Omni was able to incorporate space for much-needed offices. A commons area for the music room and cafeteria was created for after-hours activities. The new addition provides students and staff with a beautiful and structurally sound facility.

The existing school remained in operation during the school year, so Omni designed the work in phases. The first phase was the demolition of the existing three-story original schoolhouse and separate one room classroom, including asbestos abatement, during the summer months. The second phase included building the new structure while school was in session, necessitating the coordination of access to the school for buses, students and deliveries. The third phase is the complete renovation of the cafeteria and kitchen to include new equipment and finishes, which will take place during summer break.

The exterior of the new building is constructed of insulated concrete forms (ICF) with masonry exterior to complement the existing building. ICF construction sandwiches a heavy, high-strength material (reinforced concrete) between two layers of a light, high-insulation one (foam). This combination creates a wall with an unusually good combination air tightness, strength, and insulation. Benefits to Owners and Contractors include ease of construction, speed of construction, construction in inclement weather, and less building material in exterior walls.

SERVICES PROVIDED

Full Architectural, Engineering

PROJECT DELIVERY METHOD

Design Bid

YEAR COMPLETED

2014

PROJECT COST

\$ 2.5 million

PROJECT SIZE

10,500 SF

CLIENT REFERENCE

Neil Quinn



Alleghey Design Services

102 Leeway Street, Morgantown, WV 26505
(304) 599-0771 | www.allegheydesign.com



- Dorms, Student Housing & Apartments
- Athletic & Recreation
- Religious & Non-Profit
- Health Care
- Higher Education
- Historic Restoration
- Industrial
- K-12
- Government
- Office Buildings
- Parking Garages
- Retail & Commercial
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STRUCTURAL ENGINEERS

"Providing reliable, responsible services of building system design and analysis"

LOCATION:
102 Leeway Street
Morgantown, WV 26505
P - 304.599.0771
F - 304.212.2393

SITE:
[allegheydesign.com](http://www.allegheydesign.com)

Alleghey Design Services (ADS) is a consulting engineering firm specializing in structural building design and building analysis. ADS is dedicated to serving West Virginia and the surrounding region and recognizes the need for reliable, full-service engineering support. ADS provides all phases necessary for the successful completion of a building project including schematic design studies, design development, construction documents and specifications, and construction administration.

ADS' experience in Design and Project Management includes:

- Commercial Facilities
- Industrial Facilities
- Institutional Facilities
- Educational Facilities

ADS was established by David Simpson, PE, MBA, in 2002 as a result of a need in North Central West Virginia for reliable structural engineering services. ADS utilizes a combination of office technology and a motivated staff capable of delivering projects of all sizes and complexities. Our clients include architects, contractors, developers, attorneys, and insurance companies.

ADS currently utilizes the latest engineering design and BIM software for the development of project work.



Allegheny
Design Services
Consulting Engineers

PROJECT PROFILE

**State of West Virginia
Building # 23 - Beckley State Office Complex
WV Bldg. 23 Evaluation Phase 1
WV Bldg. 23 Structural Monitoring Assessment Phase II
Beckley, WV**



Photo courtesy of the State of West Virginia General Services Buildings Guide and Google

PROJECT OWNER: State of West Virginia, Charleston, WV
STRUCTURAL ENGINEERS: Allegheny Design Services, LLC, Morgantown, WV
SUBCONTRACTOR: Civil & Environmental Consultants, Inc., Bridgeport, WV

PROJECT SCOPE:

- Building #23 is a four-story 44,430 square foot office building, the structure was built in the early 1930's, possibly 1932, based on historical record and available information and acquired by the State of West Virginia in 1989.
- ADS provided an assessment in May 2019 as part of a two-phase process.
- ADS performed an additional evaluation assessment of the building in May 2022.
- ADS recommended testing procedures to acquire high-accuracy terrestrial LiDAR data of the designated collection areas in the current condition using a high detail scanner. These scans captured the topography and exterior façade.
- ADS work also consisted of the review and interpretation of these test results, and a final report.
- ADS Phase II was to design the necessary improvements found in the Phase I assessment.

PROJECT COMPLETION: May 2019 & May 2022



Allegheny
Design Services
Consulting Engineers

PROJECT PROFILE

GSA Building Charleston, WV



STRUCTURAL ENGINEER:
CONTRACTOR:

Allegheny Design Services, LLC, Morgantown, WV
March-Westin Company, Inc., Morgantown, WV

PROJECT SCOPE:
GSA Office/Operations Facility

PROJECT VALUE: \$3 Million

PROJECT COMPLETION: 2011



Allegheny
Design Services
Consulting Engineers

PROJECT PROFILE

GSA - Department of Energy Morgantown, WV



STRUCTURAL ENGINEER:
CONTRACTOR:

Allegheny Design Services, Morgantown, WV
DCK, Pittsburgh, PA

PROJECT SCOPE:

A new modern office and records storage building for the United States Department of Energy Office of Legacy Management. Awarded through a Design-Build Competition sponsored by the General Services Administration. This one story building includes 37,000 square feet of NARA Certified Records Storage space and additional spaces for administrative offices, receiving/processing, and meetings/research areas. Awarded LEED Gold (Core & Shell); LEED Gold (Commercial Interiors); 2010 Excellence in Construction by the Associated Builders & Contractors, Inc.—WV Chapter.

PROJECT VALUE: \$ 8 Million (Shell)

PROJECT COMPLETION: Fall 2009



Allegheny
Design Services
Consulting Engineers

PROJECT PROFILE

GSA Sabraton (USDA) Morgantown, WV



STRUCTURAL ENGINEER:
CONTRACTOR:

Allegheny Design Services, Morgantown, WV
March-Westin Company, Inc., Morgantown, WV

PROJECT SCOPE:

Awarded through a Design-Build Competition sponsored by the General Services Administration. This facility will house five agencies of the USDA including: the Credit Union, Rural Development, Farm Services Administration, Natural Resource Conservation services, and the USDA Information Technology Services. This project is registered as a LEED Certified Building.

PROJECT VALUE:

\$6.5 Million (Shell)

ESTIMATED PROJECT COMPLETION:

Fall 2009



Allegheny Design Services

Consulting Engineers

PROJECT PROFILE

GSD Fairmont State Office Building Fairmont, WV



STRUCTURAL ENGINEER:

Allegheny Design Services, LLC, Morgantown, WV

CONTRACTOR:

P.J. Dick, Pittsburgh, PA

PROJECT SCOPE:

- Approximately 72,000 Sq. Ft., Five Story Office Building
- Conventional Steel Framing with Dual Lateral Resisting Systems of Steel Moment Frames and Masonry Shear Walls
- Deep Foundations Utilizing Drilled Piers and Grade Beams

PROJECT VALUE:

\$17 Million

ESTIMATED PROJECT COMPLETION:

Early 2015





The Aquatic Center at Mylan Park – Foundation Stabilization / Leveling
City of Morgantown Pleasant Street Parking Garage Assessment
FSU - Parking Garage Structural Assessment of Joints
FSU Education Building Slab Restoration
WVDOA Building 97 Floor Repair
Gabriel Brothers Store Expansion, Clarksburg, WV
City of Morgantown Structural Foundation Assessment
Israel Williams Trust - Structural Damage Assessment
BDC - 1400 N. Main St. Weirton Structural Assessment
Crest - Structural Assessment 719 Main St., Wheeling, WV
Woodburn School Structural Assessment
BB&T Building Assessment
114 Clay St Structural Assessment
WVNET Structural Assessment
Nazareth Farm Comprehensive Facilities Assessment
Glade Springs Clubhouse Alteration Feasibility Study
FSU McAteer Building Structural Evaluation
FSU Parking Garage Structural Evaluation
Mylan Pharmaceutical Parking Garage Structural Assessment
WVU Puskar Stadium Seismic Damage Assessment
WVU Puskar Stadium Facilities Building Vertical Expansion Study
Mountainview Middle School Structural Foundation Settlement Assessment
Philippi Public Library Structural Assessment
Ramada Inn Morgantown Structural Assessment
Marion County Health Department Structural Assessment
Blennerhassett Island Museum Structural Assessment
Nazareth Farms Structural Facility Assessment
Muriel's Structural Assessment
WV School of Osteopathic Medicine

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 Co. Our staff consists of 180+ individuals, including 40 Licensed Professional Engineers and 15 LEED Accredited Professionals.

Our services include:

- Mechanical Engineering
- Electrical Engineering
- Plumbing Engineering
- Communications Engineering
- Energy Management
- Civil Engineering
- Structural Engineering
- Industrial Engineering
- Surveying
- Construction Phase Services
- Commissioning
- Life Safety/Fire Protection Engineering

West Virginia Experience

H.F. Lenz Company has a long history of project experience in West Virginia. Our experience includes projects such as:

- Multiple projects for a large, confidential federal government campus
- New State Office Building in Clarksburg
- Multiple DOE NETL projects at the Morgantown campus
- WV State Capitol Chiller Plant Upgrades
- USDA Office Fit-out Project
- Fifth Third Center new multi-tenant office building and parking deck
- Martinsburg Roundhouse Fit-out
- Multiple projects for Mylan Pharmaceuticals
- New Bridgeport Sports Recreation Complex
- Over 25 years of consistent projects for WVU
- New Mylan Park Aquatic Center with competition and leisure pools
- Highlands New Indoor Sports Center-Ohio County Development Authority
- New Washington High School
- Multiple Sheetz stores

Relevant Experience

Our team has a wide variety of experience with county, state and federal buildings. Their experience ranges from new construction, to feasibility studies, renovations, adaptive re-use and historic preservation projects. The H.F. Lenz Company has provided structural, mechanical, electrical, plumbing and fire protection engineering services for the design of over 7 million SF of parking garages (in total over 20,000 parking spaces). The garages range from one to eight levels and include both above-ground and below-ground facilities.



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

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

Lancaster Office

120 North Pointe Boulevard
Suite 203
Lancaster, PA 17601
Phone: 717-461-3916



Mechanical/Electrical Evaluations

The H.F. Lenz Company has been designing mechanical and electrical systems for all types of buildings for over 78 years. During this time, we have become extremely knowledgeable of almost every type of mechanical and electrical system that can be found in commercial and institutional buildings. It is this direct experience that has allowed our engineers to become experts in building evaluations. Almost all renovation projects undertaken by the H.F. Lenz Company begin with a study or evaluation of present conditions. Only after this task is completed can a clear direction be defined for corrective action or new design. Our multi-discipline staff is highly experienced in conducting in-depth studies in a variety of engineering disciplines including HVAC, electrical, plumbing, fire protection/life safety, civil, and structural. We have performed these studies for both private-sector and governmental clients. Projects range from individual rooms to one million SF high-rise office buildings.

In a typical evaluation, our engineers thoroughly assess the condition and operating performance of heating systems, ventilating systems, air conditioning systems, automatic temperature controls, and plumbing systems. Also evaluated are electrical power distribution, lighting systems, emergency power systems, fire protection systems, fire alarm, security systems, and telecommunication systems. Close attention is given to code compliance and energy conservation efficiency.

Based upon the findings of the building survey, H.F. Lenz Company will evaluate the condition of the systems and the feasibility for reuse or reconfiguration for the renovated building. Our engineers will categorize the condition of the existing systems into three areas for action:

- Emergency
- Short-Term
- Long-Term

Emergency action items involve addressing systems, or system components, that pose a threat to the safe operation of the systems and/or building, or are in immediate danger for failure.

Short-term action items include repairs or upgrades that should be incorporated within 1 to 5 years.

Long-term actions include system repairs or upgrades that are not imminent and don't need to be accomplished for 5 years or longer.

Life Cycle Cost Analysis

Value engineering and life cycle costing are key components of the Design Team cost control program. These tools allow evaluation of design options using engineering economic analysis. The benefit to the client is a facility that has equal or more utility at reduced cost.

Final Report

The final report is delivered to the owner in an easy to understand format that outlines short-term and long-term improvements or modifications required to provide for both current and future needs. An implementation strategy is also included as well as associated cost estimates for each recommended project. For large or complex projects several alternate concepts are usually developed with the pros and cons of each evaluated in the report.



SOCIAL SECURITY ADMINISTRATION

Robert M. Ball Federal Building Renovation and Retrofit

Woodlawn, MD

Services

Mechanical, Electrical,
Plumbing,
Fire Protection and
Communications
Engineering

Square Footage

1.2 million

Cost

\$124 million

Reference

John Morrell
GSA South Service
Center Director
215-446-4614
John.Morrell@gsa.gov

The Robert M. Ball Federal Building (formerly the Woodlawn Operations Building) is a 1.2 million SF 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 feasibility study, renovation and retrofit of the facility. The occupied phased construction included the following:

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.

The overall goal of the project was to provide SSA 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 future technologies.

The project has attained LEED Certification.



ROBERT F. KENNEDY DEPARTMENT OF JUSTICE BUILDING

Federal Building Upgrade / Modernization

Washington, D.C.

Services

Mechanical, Electrical,
Plumbing/Fire
Protection

Square Footage

1,300,000

Reference

Mr. Dean Smith
202-359-5720

The H.F. Lenz Company provided the mechanical, electrical, plumbing and fire protection engineering for the upgrade and modernization of the seven-story, 1.3 million SF Main Justice Building, which is listed on the National Register of Historic Places. The scope included total replacement of obsolescent HVAC, plumbing, electrical, communications, life safety and fire protection systems. The main goal of the project was to upgrade the building to provide a modern, energy efficient, flexible office building for the U.S. Department of Justice.

Features of the design included:

- Office HVAC retrofit - cooling and heating systems serviced by quiet fan coil units connected to a four-pipe system for flexibility of operation
- New energy-efficient lighting
- New central steam-to-hot water heating system
- DDC controls
- Electrical upgrades including three switchgear cubicles and eighteen 13.2 kV/480 V network transformers
- 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 conceptual design followed the recommendations of a previously completed Prospective Development Study (PDS) performed by another professional. In the value engineering process, however, several of the major systems were redesigned to bring the cost estimate in line with the \$130 million allocation while still maintaining the original design intent. For example, by installing the refrigeration plant in the attic rather than the subbasement (as was outlined in the PDS), we greatly reduced the amount of piping required and lowered the pumping horsepower. The revised design not only dramatically reduced both installation and operating costs, it also simplified the design and operation of the plant and opened up space in the subbasement for the possible installation of standby generators to serve critical equipment. An estimated \$20,000,000 was shaved from the construction cost through value engineering, while still maintaining the original design intent of the mechanical and electrical systems.

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.



U.S. GENERAL SERVICES ADMINISTRATION

IDIQ Contract for AE Design Services

Various Locations

Services

Mechanical, Electrical, Plumbing/Fire Protection

Square Footage

Various

Completed

2013-Present

Reference

Amanda L. Smith
Project Manager
U.S. General Services Administration
100 S. Independence Mall
West Philadelphia, PA 19106
215-446-5983

H.F. Lenz Company provided the Mechanical, Electrical, Plumbing, and Fire Protection engineering services as a subconsultant for this GSA Region 3 IDIQ Contract. Projects include design services for repair, alterations, renovations, and modernizations of Federal facilities for small to medium projects up to \$5 million in construction costs.

Projects Completed to Date Include:

- **U.S. Custom House Feasibility Study** - Study & Report to identify building deficiencies and prioritize phased projects for this historic structure
- **SSA Childcare Center Renovation** - Engineering services for interior and exterior renovations
- **Mid-Atlantic Social Security Center Armory Renovation** - Combine existing office and utility space into office, storage, and locker room for 60 guard personnel
- **U.S. Court of Appeals for Veterans Claims** - Planning study for new 17,000 SF courthouse
- **Byrne Green Federal Complex Capital Investment & Leasing Program** - Existing conditions study to determine physical asset needs; review MEP systems to coordinate with tenant restacking
- **Byrne Chambers Consolidation** - MEP modifications for renovation of three judges chambers in Byrne Courthouse to accommodate additional personnel
- **Byrne 3rd Circuit Library Renovation** - Conversion of approximately 10,000 SF of existing library space in Byrne Courthouse to staff offices
- **Philadelphia Regional VA Building Renovation** - Renovation of 5,000 SF of space occupied by GSA Field Office
- **SSA Advanced Metering Study** - Project to provide advanced metering study reports for the Mid-Atlantic Social Security Center (MATSSC) Building and the Wilkes-Barre Data Operations Center (WBDOC)
- **Weis Courthouse Tenant Space** - Renovation projects to backfill approximately 37,000 SF of space in the Joseph F. Weis Jr. Courthouse in Pittsburgh
- **ATF Strategic Space Analysis** - Study of existing 163,000 SF facility in Martinsburg, WV to determine additional space needs
- **SSA Williamsport Renovation** - Renovations of SSA Interview Lobby that included HVAC re-zoning and miscellaneous electrical renovations



CITY OF READING

City Hall HVAC Evaluation and Design

Reading, PA

Services

Mechanical, Electrical,
Plumbing, Fire Protection

Cost

\$2.5 million

Reference

David W. Anspach III
Capital Projects Manager
City of Reading
David.Anspach@ReadingPa.gov
o. 610-655-6502
c. 610-301-2728

H.F. Lenz Company is currently providing the mechanical, electrical, plumbing and fire protection engineering services for the evaluation of the City Hall HVAC system, design engineering services, technical specification preparation, and construction management services.

Phase 1 of the project is currently underway and includes the evaluation of all aspects of the HVAC system to include:

- Full review of Heat and Cooling systems
- Recommendation on alternative systems
- Design Engineering of replacement systems where necessary
- Zoned thermostatic control
- Automatic operating control- alternate heating or cooling as necessary
- 100% duct cleaning, replacement, or new where necessary
- O&M manual to include future maintenance schedule documents
- Energy Efficiency
- User Friendly
- Covid-19 or contagion prevention

We are currently working on Phase 2 of the design which will include a significant number of phases due to the need for the building to remain fully occupied throughout construction.

The current total allocation budget for the project is \$2,500,000.



COUNTY OF BUCKS

Lower Bucks Government Services Campus Planning

Doylestown, PA

Services

Mechanical,
Electrical, Plumbing,
Fire Protection

H.F. Lenz Company is currently providing the mechanical, electrical, plumbing and fire protection engineering services for the redevelopment of the government campus to consolidate County departments, Court offices, and other County sponsored agencies into new or redeveloped office space on the campus. The site consists of four parcels.

Phase 1 of the project is currently in progress and includes:

- Development of spatial programming for departments and agencies that will be included in the Lower Bucks Campus Redevelopment
- Development of concept plans and preliminary cost estimates, taking into account building conditions, location of existing offices, improvements needed to existing buildings or site to make it functionally efficient, secure, and compliant with codes and applicable laws
- Evaluation of alternative concept plans to be completed using criterion established by the County which shall include, but not be limited to: costs, meeting project objectives, resolution of implementation obstacles, implementation timeline, and ability of plans to meet local codes and ordinances as well as state and County corrections facility requirements

Phase 2

Following selection of the acceptable concept plans and strategy by the County, our team will develop schematic design plans, more detailed cost estimates, sequencing and potential relocation costs / considerations, and an assessment or pros and cons of the proposed concept plans. The plans shall be developed to show detailed site plans and proposed / existing building layouts.

Phases 3 and 4 include the detailed design and bidding for the project and the construction phase services.

Construction is anticipated to be completed by the end of 2024.



FRANKLIN COUNTY COURTHOUSE COMPLEX

Courts Complex, Administration Building, & Archives

Franklin County, PA

Services

Mechanical, Electrical, Plumbing/Fire Protection

Completed

2019 - Archives Renovation
2020 - Administration Renovation
2021 - Justice Center Renovation
2022 - Courthouse Annex Renovation

Cost

\$67.8M combined

Reference

Ms. Carrie Gray
County Administrator/Chief Clerk
272 North Second Street
Chambersburg, PA
Phone: 717-261-3810

H.F. Lenz Company is providing full mechanical, electrical, plumbing and fire protection engineering services for the Franklin County Courthouse Complex. The project includes renovation of the existing historic Courthouse with a new connector to the new Justice Center, a separate new County Administration building as well as repurposing of an existing use car and automobile maintenance facility into a County Archives Building.

New Justice Center:

- The Justice Center project was completed in November 2021
- New mechanical systems include a air-cooled chilled water plant with free-cooling, condensing hot water boiler plant, air systems and controls
- The total construction cost is approximately \$34,650,000 - of which MEP was \$10,531,000

New Administration Building:

- The project was completed in February 2021
- Three large VAV rooftop units and high efficiency hot water boiler plant
- The total construction cost was approximately \$10,020,000 - of which MEP was \$865,500

Archives Building Renovation:

- Phase 1 of the project was completed in October 2019
- The HVAC included DX/Gas units with energy recovery, humidification and controls for standard collections as well as separate systems for rare books
- Phase 2 was completed in February 2022

Historic Courthouse and Courthouse Annex Renovation:

- The Historic Courthouse renovations and Annex partial systems upgrades were completed in October 2022
- The Courthouse HVAC was upgraded to a DOAS unit and fan coils served from the Justice Center chilled and hot water plant
- Completed Annex Schematic Design is awaiting NTP for full renovation

Previous Projects

H.F. Lenz also provided full mechanical, electrical, plumbing and fire protection engineering services for renovations and addition to the existing Courthouse Annex as well as the repurposing of an adjacent historic firehouse to the juvenile court for the County in 2011.



BUCHANAN COUNTY COURTHOUSE & GOVERNMENT CENTER

Courthouse and Government Center Renovation

Buchanan County, VA

Services

Mechanical, Electrical,
Plumbing/Fire
Protection,
Communications

Square Feet

15,000 Addition
40,000 Renovation

Completed

2019

Cost

\$10.6 million

Reference

Mr. Robert Craig Horn
County Administrator
County Administrators
Office
PO Box 95
Grundy, VA 24614
Phone: 276-935-6503

H.F. Lenz Company provided full engineering services for a 15,000 SF addition and 40,000 SF renovation of the historic courthouse facility.

Project included:

- Circuit Court and Support Space
- Combined General District and Juvenile and Domestic Relations Court and Support Space
- Holding Cells
- Commonwealth Attorney
- County Board of Supervisors
- County Administration
- Commissioner of Revenue
- Treasurer
- Vehicular sally port
- Enclosed, secure parking for Judges

The new mechanical and electrical systems include:

- Dedicated outdoor air system (DOAS)
- Variable refrigerant flow (VRF) split system
- Vehicular garage monitoring and exhaust systems
- All new toilet rooms and penal ware for holding cells
- Fully protected with new sprinkler system
- Dry pipe system for judges parking and sally port
- 100kW diesel life safety generator
- 2000A, 208/120V switchgear replacement
- Power distribution throughout building
- LED lighting system



DICKENSON COUNTY JUSTICE CENTER

New Justice Center

Clintwood, VA

Services

Mechanical,
Electrical, Plumbing,
Fire Protection

Square Feet

35,542

Completed

2016

Cost

\$7.9 million

Reference

Mr. Freddie Mullins,
IDA Attorney
Industrial
Development
Authority of
Dickenson County,
Virginia
818 Happy Valley
Drive, Suite 121
Clintwood, VA 24228
276-926-8580
mullinslaw@fempc.
net

H.F. Lenz Company provided full engineering services for a new three-story, 35,542 SF justice center.

The new building houses a Circuit Courtroom; a combined General District and Juvenile and Domestic Relations Courtroom; supporting spaces for both courtrooms; Circuit Court Clerk's Office; a combined General District and Juvenile and Domestic Relations Court Clerks' Office; Court services; Sheriff court security staff, including a vehicular Sally port and Holding Cells; and enclosed, secure parking for Judges. The new facility has been designed with security as a high priority with a single point of public access that enables the sheriff to control the movement of people in and out of the Judicial Center. The building will also include separate entry points for the judges and for the sheriff when delivering defendants. Internally, the building will consist of three separate circulation zones (public, judicial and secure). Detainee holding cells will be provided at the secured entry level with additional cells being located on subsequent levels, adjacent to each courtroom.

Mechanical and electrical features include:

- DX/Gas VAV Rooftop Units
- Low water consuming plumbing fixtures
- 800A, 480Y/277V service
- 60KW emergency generator



ERIE FEDERAL BUILDING AND COURTHOUSE

New Courthouse Annex and Renovation of Existing Historic Courthouse and Library

Erie, PA

Services

Mechanical,
Electrical, Plumbing,
Fire Protection

Square Feet

150,000

Completed

2022

Cost

\$34 million

The Erie Federal Building and Courthouse was a \$34 million addition and renovation project designed to meet the needs of U.S. Courts and related agencies through the year 2002 as well as projected needs through 2022. The 150,000 SF complex occupies an entire city block. The courthouse complex was designed to operate as a single building. H.F. Lenz Company provided MEP engineering and fire protection engineering services for the project.

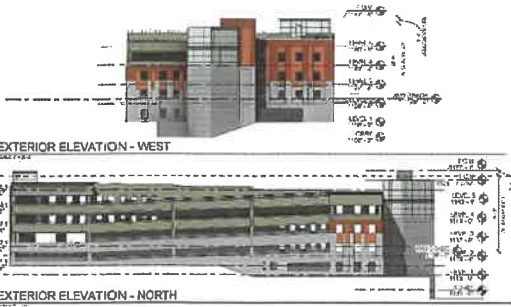
The chilled water plant, consisting of two 250-ton water-cooled chillers, supplies chilled water to all five of the complex structures. The boiler plant, which utilized two sectional cast iron gas-fired boilers, provides hot water for perimeter heating and air handling unit heating coils to each of the buildings.

The electrical distribution system includes a new electrical service to the annex building and, in turn, power is distributed from in the mechanical penthouse on top of the new annex. These units serve the existing courthouse, the courthouse annex, the Baker Building, and the connector link.

Because this complex is situated on a city block and is visible from all sides, the location of equipment and louvers was very important to the aesthetics of the building. In addition to these considerations, the new GSA security design criteria was implemented. To meet this criteria, air handling units are located in the basement of the buildings and in the mechanical penthouse on top of the new annex. These units serve the existing courthouse, the courthouse annex, the Baker Building, and the connector link. Vertical chases were incorporated for outdoor air intake and relief from the roof down through the building to facilitate the installation of the air handling units on the lower levels. The existing Library was treated separately with the exception of being served by the central heating and cooling plants.

Other Key Features of the Project Include:

- Phasing of construction to allow the courthouse functions to continue while the construction was underway
- Sustainability and energy efficiency features including lighting fixtures, mechanical equipment, refrigerant type, HVAC and electrical controls, etc. were all selected using energy efficiency as one of the highest priorities
- Life safety systems including fire alarm, fire protection and egress/ exit lighting were integrated into both existing and new portions of the complex without detracting the historic fabric and new architectural finishes



Allegheny Health Network (AHN), Wexford, PA

Wallace Garage

- New 93,000 SF four level parking garage equipped with electrical parking gate and security system, elevator, and filtered air side ventilation for water room

Ohio State House, Columbus, OH

- Retrofit of a 487,000 SF parking garage, 3 level, 1,200 space

Pittsburgh Parking Authority, Pittsburgh, PA

- Wood Allies Parking Garage MEP Renovation (542 spaces)
- Fort Duquesne and Sixth Ave Parking Garage MEP Renovation (917 spaces)
- Southside Works Parking Garage MEP design (455 spaces)
- 3rd Avenue Garage (579 spaces)

Progressive Insurance - Alpha Annex

- New 215,482 SF, four-level open parking garage, 683 spaces

Penn State University, Behrend Campus, Erie, PA

- New 132,500 SF parking deck expansion and renovation of 60,000 SF existing, 208 spaces

University of Wisconsin, Hilton Garden Inn, Madison, WI

- New 176 room hotel, approximately 100,000 SF hotel and 75,000 SF garage - seven stories, floors 1-3 are garage parking

Temple University, Mitchell and Hilarie Morgan Hall, Philadelphia, PA

- New high-rise complex comprised of over 1,275 student beds, a three-level dining pavilion and roof-top lounge, a public/lobby level. Both the Tower and Midrise lobbies will be entered from an elevated Terrace that is constructed over a plaza deck above a parking/service level situated at and below street level. The site encompasses an entire city block. Designed to attain LEED Certification

Veterans Affairs Medical Center, Clarksburg, WV

- New 537-car, 194,040 SF, four level parking garage and renovation of the 4th floor Behavioral Health Unit. The garage was designed but not built

Town Place Mall (Kossman Development), Pittsburgh, PA

- Evaluation of an existing pre-cast, two-level parking garage consisting of 241,892 SF on the lower level and 243,580 SF on the upper level and conceptual design of a new two-level pre-cast parking garage

The Bayfront Sheraton, Erie, PA

- Condition assessment and 15 year maintenance plan for a four-level precast parking garage and an eight-story hotel



Scranton Parking Garage MEP evaluation And design of upgrades for five City of Scranton Parking Authority Garages:

- Linden Street Original Parking Garage (777 spaces)
- Medallion Parking Garage (510 spaces)
- Linden Street Parking Garage Expansion (132 spaces)
- Connell Parking Garage (230 spaces)
- Casey Parking Garage (481 spaces)

UPMC Altoona, Altoona, PA

- Parking Garage Assessment, 146,330 SF
- Fire protection design for parking garage, 146,330 SF

Pennsylvania State Capitol Complex, Harrisburg, PA

- New 850-car, 2-1/2-level underground parking garage

Veterans Affairs Medical Center, Philadelphia, PA

- New 525-car, four-level partially underground parking garage

Litchfield Towers/Shenley Quad Parking Garage and Plaza, University of Pittsburgh, Pittsburgh, PA

- Electrical and civil engineering services for the upgrades and renovations to the parking garage and roof deck/plaza

Grant Building, Pittsburgh, PA

- Five-level, 225-car parking garage

Conemaugh Medical Center, Johnstown, PA

- Renovations to the 8-level, 200-car parking garage, 143,500 SF
- New 40-car parking garage under the hospital, 19,500 SF
- New 300-car, four-level parking garage, 98,500 SF

Penn Traffic Building, Johnstown, PA

- Carbon monoxide ventilation system upgrade

John Wanamaker Building, Philadelphia, PA

- Adaptive reuse of three underground levels of retail space for a 600-car parking garage

Main Street East Transit Center and Retail/Office Complex, Johnstown, PA

- New 100-car, five-level parking garage

Pennsylvania Electric Company Corporate Headquarters, Johnstown, PA

- New 34-car parking garage

Market Street State Office Building, Harrisburg, PA

- New 45-car underground parking garage





Main Justice Department Building, Washington, DC

- Multi-level parking garage

Erie Federal Building and Courthouse, Erie, PA

- Single level parking garage with sally port

William J. Nealon Federal Building and Courthouse, Scranton, PA

- Single level parking garage with sally port

Snowshoe Mountain Resort, Snowshoe, WV

- Rimfire Lodge - Single level, 150-car parking garage and retail spaces
- Seneca Building - Two-level, 100-car parking garage

Social Security Administration, Johnstown, PA

- Ground level parking garage

U.S. Drug Enforcement Agency, Pittsburgh, PA

- New 50,000 SF office building with 25,200 SF parking garage –LEED™ Certified

Kossman Development Company, Park Plaza, Mt. Lebanon, PA

- New 15,000 SF parking garage

Conemaugh Medical Center, Johnstown, PA

- Garage emergency phones for the 7-story North parking garage, and the 4-story South parking garage, 242,000 SF
- Grand Entry – South parking garage, Revised parking level three, 15,000 SF

Town Place Building, Pittsburgh, PA

- Expand the parking to the Sixth, Seventh, Eighth, and Ninth Floors of an existing 12-story parking garage with office and retail space

Hyatt Summerfield Suites, Pittsburgh, PA

- Ground floor parking garage and new hotel

Carnegie Mellon University, Pittsburgh, PA

- East Campus Parking Garage rehabilitation and repairs, 920 spaces

City of Johnstown, Johnstown, PA

- New Intermodal Transportation Center

Bank of New York Mellon, Pittsburgh, PA

- **Mellon Client Service Center** Parking Garage Condition Assessment and Repair Recommendations for this six-level, pre-cast concrete parking structure under 14 stories of office building. The project included a report of findings including details of recommended structural repairs.





- **One Mellon Center** Parking Garage Structural Study (Phase I) and Structural Repairs (Phase II) - Visual assessment of the existing structural steel and concrete deck parking garage that occupies the two lowest levels of the 55-story high-rise building. Subsequently we were retained to prepare the construction documents for the repairs.

First Energy, Greensburg, PA

- Visual assessment and review record drawings of this four-level, 225,000 SF precast concrete parking structure and the associated approximately 750,000 gallon cast-in-place concrete stormwater detention pond.

Walter Reed Army Medical Center, Washington, DC

- Structural engineering services to perform an evaluation of this 485-stall, three level, cast-in-place parking structure

Conemaugh Health Systems, Johnstown, PA North and South Garages

- Structural engineering services to revitalize two deteriorating multi-story, open parking structures

Fifth Third Bank, Charleston, WV

- New D/B 66,000 SF multi-tenant office building and two-level parking deck



TAB 6

REFERENCES

REFERENCES

Richard Donovan, Senior Director of Facilities West Virginia
Community and Technical College System
1018 Kanawha Boulevard East, Suite 700
Charleston, WV 25301
(304) 558-2101

James L. Estep, President and CEO
High Technology Foundation
1000 Galliher Drive, Suite 1000
Fairmont, WV 26554
(304) 363-5482

Stephanie DeGroot
Construction Manager/MS4 Coordinator
Fairmont State University
109 Physical Plant, 1201 Locust Avenue
Fairmont, WV 26554
(304) 367-4401