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WV PURCHASING  
DIVISION

# Building 13, Parking Garage Expansion Project

CEOI 0211

**GSD1900000009**

Prepared for: **State of West Virginia**

**Department of Administration**

**Purchasing Division**

**2019 Washington Street East**

**Charleston, WV 25305**



H.F. LENZ COMPANY

1407 Scalp Avenue

Johnstown, PA 15904

Phone: 814-269-9300

HFL File No. 2019-8003.51

May 20, 2019



**H.F. LENZ  
COMPANY**

*Engineering*

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

May 20, 2019

Ms. Melissa Pettrey  
Department of Administration  
Purchasing Division  
2019 Washington Street East  
Charleston, WV 25305

Subject: Building 13, Parking Garage Expansion Project  
CEOI 0211 GSD190000009

Dear Selection Committee Members:

H.F. Lenz Company is pleased to submit our qualifications for the Building 13, Parking Garage Expansion project. Our firm has the technical capabilities, qualified personnel, and similar project experience necessary to successfully accomplish the work. We are enthusiastic about this opportunity and feel confident that we can bring the following strengths and benefits to this project:

- Multi-discipline capability— Structural, Electrical, Mechanical, Fire Protection/Life Safety, Communications and all provided in-house
- Extensive parking garage experience including structural analysis of existing, as well as expansions and new construction
- Long-term working relationship with our subconsultants, Omni Associates –Architects, Inc. (architectural services) and ECS Mid-Atlantic, LLC (geotechnical and environmental engineering)
- High level involvement (Principal involvement) —I will be directly involved throughout the duration of this project
- Stability of the firm. This is our 73rd year in business. We have one of the lowest employee turnover rates in our industry

We look forward to the next phase of the selection process, including presenting our qualifications during an interview. In the meantime, we would be happy to discuss with you any part of our submission for this important project.

Sincerely,

H.F. LENZ COMPANY

David A. Blackner, P.E.  
Principal

Enclosures



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## FIRM PROFILE & EXPERIENCE

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## H.F. Lenz Company

H.F. Lenz Company was established 1946 in its present form, under the name H.F. Lenz Company, R.E., and in 1953 the company was incorporated, as a Private Corporation, in Pennsylvania as H.F. Lenz Company. Our projects span the nation, with the heaviest concentration in the Northeast, and exceed \$530 million in MEP, Civil and Structural construction annually. Each market sector—corporate, government, health care, education, and industry—is served by a team of specialists who understand the unique needs of the clients they serve. Our staff consists of 160+ individuals, including 50 Licensed Professional Engineers and 19 LEED Accredited Professionals. Our headquarters is in Johnstown, Pennsylvania with branch offices in Pittsburgh, Pennsylvania, Conneaut, Ohio, and Middletown, Connecticut.

### DISCIPLINES/SERVICES OFFERED IN-HOUSE INCLUDE:

- › Mechanical Engineering
- › Electrical Engineering
- › Data/Communications Engineering
- › Fire Protection / Life Safety Engineering
- › Structural Engineering
- › Civil Engineering
- › Surveying
- › GIS
- › Construction Phase Services
- › Commissioning and Training
- › 3D CADD with Full Visualization
- › Energy Modeling
- › Sustainable design/LEED Services
- › Building Information Modeling (BIM)

### PHILOSOPHY

Two essential prerequisites lay the foundation for every H.F. Lenz Company project. First, we take the time to understand the client's business and how it operates. Second, we proactively involve the client in the development of appropriate solutions. In our role as partner, we help the client understand how well the available alternatives satisfy the project's own unique, prioritized set of objectives.

A remarkable 85 percent of our work consists of repeat commissions from clients who appreciate our responsive, value added service.

### LEED®

Our firm has been a member of the U.S. Green Building Council since 2000 and we currently have 19 LEED® Accredited Professionals on staff. Our experience includes 100+ projects that have attained various levels of LEED Certification and numerous additional projects designed for various levels of LEED Certification, in total over 16 million sq. ft. of facilities.



#### Johnstown Headquarters

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

#### Central Pennsylvania Office

549 North Mine Road  
Lebanon, PA 17042  
Phone: 717-461-3916

#### Pittsburgh Office

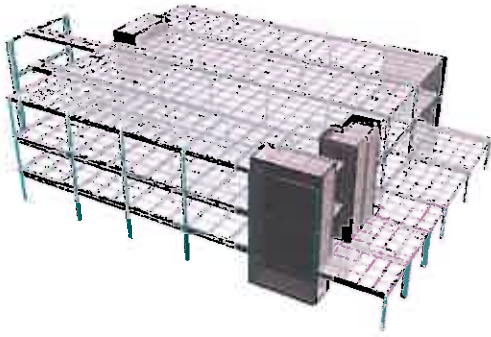
1051 Brinton Road  
Pittsburgh, PA 15221  
Phone: 412-371-9073

#### 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



## STRUCTURAL ENGINEERING

The H.F. Lenz Company's structural engineering services include analysis and design for new construction, as well as for alterations and additions to existing structures. Utilizing state-of-the-art software, our Professional Engineers provide structural design for parking garages, government facilities, Fortune 500 companies, industrial and manufacturing facilities, health care facilities, and educational facilities throughout the U.S. With this experience we are capable of meeting a wide range of challenges and requirements in today's world whether the considerations are security threats, installation of sensitive equipment or budget limitations.

Our experience ranges from single- and multi-story buildings, to parking garages, and peripheral site-related structures such as manholes, meter pits, culverts, and retaining walls. We also have extensive experience in the design of supports and foundations for mechanical and electrical equipment, overhead cranes, hoists, and industrial machinery.

These projects also include peripheral site related structures such as retaining walls, pedestrian and vehicular bridges, culverts, precast concrete tunnels, and underground utility tunnels. Designs have utilized a wide range of structural foundations such as traditional spread footings, casons, micro-piles, driven piles, geopiles, soil densification with pressure grouting.

We have performed analyses of existing structures for additions to existing construction, change of use code requirements, installation of equipment, etc. Additionally, we have completed studies of existing structures to determine the structural integrity due to deteriorating conditions of concrete, steel, masonry, and wood.

A large portion of our experience in structural engineering is from clients who utilize our services on an ongoing or "on-call" basis. The size and flexibility of our staff has allowed us to successfully respond to these work orders which often times require very short turn around time.

## TECHNOLOGY

- › State-of-the-Art Software and Building Information Modeling (BIM)
- › RAM Structural System
- › STAAD.Pro
- › Tedds
- › 3D analysis and modeling software can be linked for flawless coordination
- › Specialty graphics and stress distribution
- › Seamless integration of all trades – structural, architectural and MEP
- › Finite element analysis
- › Forensic failure planes
- › Retain Pro
- › Revit
- › AutoCAD



## Bank of New York Mellon

*Pittsburgh, Pennsylvania*

### **MELLON CLIENT SERVICE CENTER PARKING GARAGE CONDITION ASSESSMENT AND REPAIR RECOMMENDATIONS**

H.F. Lenz Company was retained to review the record drawings and conduct a visual assessment of 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.

The report was completed in 2019.

Estimated repairs budget: \$175,000

Contact: Mr. Eugene Mercuri, CBRE- BNY Mellon Account, PH: 412-236-4465

### **ONE MELLON CENTER PARKING GARAGE STRUCTURAL STUDY (PHASE I) AND STRUCTURAL REPAIRS (PHASE II)**

H.F. Lenz Company was retained to perform a 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. The project included preparation of a report of findings and recommendations for preventative maintenance and structural repairs. Subsequently we were retained to prepare the construction documents for the repairs.

The project was completed in 2018.

Project repairs budget was approximately \$200,000

Contact: Mr. Eugene Mercuri, CBRE- BNY Mellon Account, PH: 412-236-4465

RELEVANT EXPERIENCE



## First Energy

Greensburg, Pennsylvania

### CONDITION ASSESSMENT OF PARKING GARAGE

H.F. Lenz Company was retained to perform a visual assessment and review record drawings of this four-level, 225,000 sq.ft. precast concrete parking structure and the associated approximately 750,000 gallon cast-in-place concrete stormwater detention pond. The project included the preparation of a report of findings and construction documents for the recommended repairs.

The project was completed in 2016.

The estimated project budget was \$975,000

Contact: Mr. Curt Matthews, First Energy Project Manager  
PH: 724-626-5216







## **Fifth Third Center**

*Charleston, West Virginia*

### **NEW MULTI-TENANT OFFICE BUILDING AND PARKING GARAGE**

H.F. Lenz Company provided structural, mechanical, electrical, plumbing, fire protection, and communications engineering services for this new 66,000 sq.ft. multi-tenant office building and two-level parking deck. The project followed a design, GMP, build process, and was delivered on time and budget. H.F. Lenz Company acted as a separate prime professional and owner's representative throughout the process.

The building ground floor is the Fifth Third downtown Charlestown branch bank and drive-thru. The second floor is tenant space and Fifth Third Bank Regional Offices. The third and fourth floors house the law offices of the Robinson and McElwee, PLLC. The facility also includes an adjacent two-story parking garage.

The design included structural steel composite framing with an integral ramp to access the precast concrete parking deck. Foundation design for the building employed a deep foundation system consisting of a combination of caissons, auger cast piles and concrete grade beams.

The \$10 million project was completed in 2003.

Contact: Mr. Mark Grigsby, Senior Project Manager, Pray Construction Company, PH: 304-755-4944. ext 34

**RELEVANT EXPERIENCE**



## Walter Reed Medical Center

Washington, D.C.

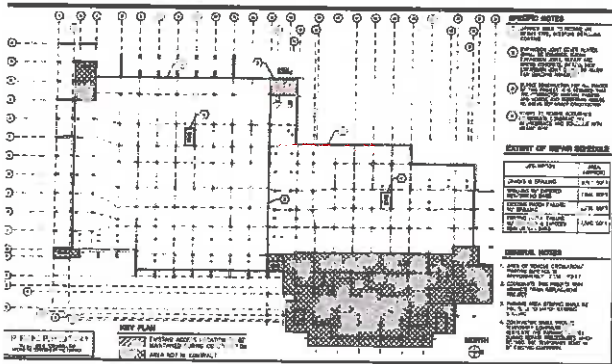
### BUILDING 14 PARKING GARAGE REPAIRS

H.F. Lenz Company provided structural engineering services to perform an evaluation of this 485-stall, three level, cast-in-place parking structure.

Approximately 120 on-site man-hours were required to thoroughly inspect and document the existing conditions. Upon completion of on-site activities, a structural load analysis, extensive report, drawing documents and specifications were developed through coordination with government agencies for use in soliciting bids to perform the required repair work.

The government estimated value of the project was approximately \$2.2 million. The study was completed in 2008.

Contact: Mr. Edmond Lazarus PH: 410-962-4402



## Conemaugh Health Systems

Johnstown, Pennsylvania

### NORTH AND SOUTH GARAGES

H.F. Lenz Company provided the structural engineering services to revitalize two deteriorating multi-story, open parking structures.

#### The project included:

- › A visual analysis to determine deteriorated structural support members in each garage
- › Overseeing concrete patching and repair of structural elements
- › Overseeing installation of waterproof elastomeric membrane
- › Installing structural supports to increase structural capacity
- › Removal and replacement of the drain systems
- › Installing new lighting systems

Completion Date: 2011

Contact: Mr. Ben Policicchio PH: 814-534-9612



## City of Johnstown

Johnstown, Pennsylvania

### NEW INTERMODAL TRANSPORTATION CENTER

H.F. Lenz Company was responsible for the electrical, structural and civil design for a 360-car Intermodal Transportation Center located in Johnstown, Pennsylvania. The center was built to accommodate the parking for the new Pasquerilla Convention Center and the Cambria County War Memorial Arena which are located adjacent to the structure. The building consists of five levels and is constructed using precast, pre-stressed, concrete beams supporting a concrete deck. The building was built at the location previously occupied by a utility company vault which required the existing vault to be reinforced so as to be able to support the traffic from the new parking facility.

The lowest level of the center was to be used for retail space. The facility was lit using high efficiency, low cutoff metal halide lighting fixtures supported from the ceiling structure on the lower flower floors, and via 12' high pole mounted metal halide fixtures on the top floor.

The circuiting of the lighting in the parking garage was designed that every other metal halide fixture under the parking deck was on a separate circuit and controlled through a lighting control panel with photocell control. This allowed the programming of the lighting to be switched alternately during the daylight hours. In addition to conserving energy during day lighting hours, the switching allowed programming to alternate circuits during the day to prolong the lighting fixtures lamp life.

Construction Cost: \$8 million

Completion Date: 2003

Contact: Darby Sprincz, City of Johnstown PH: 814-533-2061

## Parking Garage Project Examples

### PROGRESSIVE INSURANCE - ALPHA ANNEX

- › New 215,482 sq.ft., four-level open parking garage, 683 spaces

### PENN STATE UNIVERSITY, BEHREND CAMPUS, ERIE, PENNSYLVANIA

- › New 132,500 sq.ft parking deck expansion and renovation of 60,000 sq.ft. existing, 208 spaces

### VETERANS AFFAIRS MEDICAL CENTER, CLARKSBURG, WEST VIRGINIA

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

### PITTSBURGH PARKING AUTHORITY, PITTSBURGH, PENNSYLVANIA

- › 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)

### UPMC PARKING GARAGES

#### MEP ASSESSMENTS:

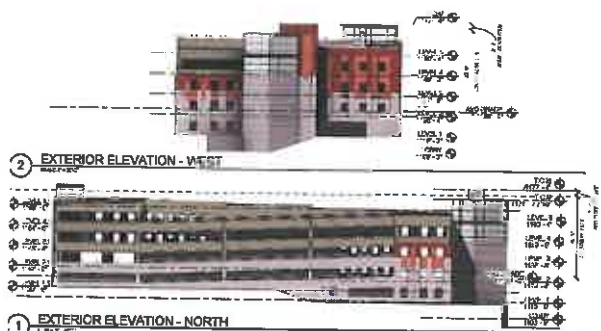
- › Western Psychiatric Hospital Garage (415 spaces)
- › Montefiore Hospital Parking Garage (251 spaces)
- › Magee Women's Hospital Parking Garage (340 spaces)
- › Bellefield Building Parking Garage (328 spaces)
- › Hillman Cancer Center Parking Garage (450 spaces)
- › Forbes Tower Parking Garage (572 spaces)
- › Kaufman Building Parking Garage (230 spaces)
- › University Center Parking Garage (65 spots)
- › Shadyside Hospital Parking Garage (208 spaces)
- › Mercy Parking Garage (965 spaces)
- › Medical Arts Building (50 spaces)
- › Presbyterian Hospital Parking Garage (450 spaces)

#### MEP UPGRADES:

- › UPMC University Center Parking MEP upgrades (based on previous completed assessment) (65 spaces)
- › UPMC Shadyside Hospital Parking Garage MEP upgrades (208 spaces)

### 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**

- › Parking Garage Assessment, 146,330 sq.ft.
- › Fire protection design for parking garage, 146,330 sq.ft.

#### **PENNSYLVANIA STATE CAPITOL COMPLEX, HARRISBURG, PENNSYLVANIA**

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

#### **VETERANS AFFAIRS MEDICAL CENTER, PHILADELPHIA, PENNSYLVANIA**

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

#### **LITCHFIELD TOWERS/SHENLEY QUAD PARKING GARAGE AND PLAZA, UNIVERSITY OF PITTSBURGH, PITTSBURGH, PENNSYLVANIA**

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

#### **GRANT BUILDING, PITTSBURGH, PENNSYLVANIA**

- › Mechanical, electrical, plumbing, and fire protection design services for a five-level, 225-car parking garage

#### **CONEMAUGH MEDICAL CENTER, JOHNSTOWN, PENNSYLVANIA**

- › Renovations to the 8-level, 200-car parking garage, 143,500 sq.ft.

#### **PENN TRAFFIC BUILDING, JOHNSTOWN, PENNSYLVANIA**

- › Carbon monoxide ventilation system upgrade for an underground integral parking garage

#### **JOHN WANAMAKER BUILDING, PHILADELPHIA, PENNSYLVANIA**

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

#### **CONEMAUGH HEALTH SYSTEMS, JOHNSTOWN, PENNSYLVANIA**

- › New 40-car parking garage under the hospital, 19,500 sq.ft.

#### **GOOD SAMARITAN MEDICAL CENTER, JOHNSTOWN, PENNSYLVANIA**

- › New 300-car, four-level parking garage, 98,500 sq.ft.

#### **MAIN STREET EAST TRANSIT CENTER AND RETAIL/OFFICE COMPLEX, JOHNSTOWN, PENNSYLVANIA**

- › New 100-car, five-level parking garage

#### **PENNSYLVANIA ELECTRIC COMPANY CORPORATE HEADQUARTERS, JOHNSTOWN, PENNSYLVANIA**

- › New 34-car parking garage

#### **MARKET STREET STATE OFFICE BUILDING, HARRISBURG, PENNSYLVANIA**

- › New 45-car underground parking garage

#### **MAIN JUSTICE DEPARTMENT BUILDING, WASHINGTON, DC**

- › Multi-level parking garage





**ERIE FEDERAL BUILDING AND COURTHOUSE, ERIE, PENNSYLVANIA**

- › Single level parking garage with sally port

**WILLIAM J. NEALON FEDERAL BUILDING AND COURTHOUSE, SCRANTON, PENNSYLVANIA**

- › Single level parking garage with sally port

**SNOWSHOE MOUNTAIN RESORT, SNOWSHOE, WEST VIRGINIA**

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

**SOCIAL SECURITY ADMINISTRATION, JOHNSTOWN, PENNSYLVANIA**

- › Ground level parking garage

**U.S. DRUG ENFORCEMENT AGENCY, PITTSBURGH, PENNSYLVANIA**

- › New 50,000 sq.ft. office building with 25,200 sq.ft. parking garage –LEED™ Certified

**KOSSMAN DEVELOPMENT COMPANY, PARK PLAZA, MT. LEBANON, PENNSYLVANIA**

- › New 15,000 sq.ft. parking garage

**CONEMAUGH MEDICAL CENTER, JOHNSTOWN, PENNSYLVANIA**

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

**TOWN PLACE BUILDING, PITTSBURGH, PENNSYLVANIA**

- › Expand the parking to the Sixth, Seventh, Eighth, and Ninth Floors of an existing 12-story parking garage with office and retail space – designed but not built

**HYATT SUMMERFIELD SUITES, PITTSBURGH, PENNSYLVANIA**

- › Ground floor parking garage and new hotel

**CARNEGIE MELLON UNIVERSITY, PITTSBURGH, PENNSYLVANIA**

- › East Campus Parking Garage rehabilitation and repairs, 920 spaces

**CITY OF JOHNSTOWN, JOHNSTOWN, PENNSYLVANIA**

- › New Intermodal Transportation Center

## Structural Evaluation and Design

### **CONEMAUGH MEMORIAL MEDICAL CENTER** *Johnstown, Pennsylvania*

- › Structural evaluation of parking garage
- › "E" and "F" Buildings roof loadings
- › "A" Building structural reinforcement
- › Library structural renovations
- › Study of settling in "E" Building

### **AQUINAS HALL** *Ebensburg, Pennsylvania*

- › Structural evaluation of explosion damage in an historic mansion and recommendations for adaptive reuse as an office building and/or conference center

### **BAGGALEY ELEMENTARY SCHOOL** *Ligonier, Pennsylvania*

- › Structural design of a 14,000 sq.ft. building addition

### **BALANCED CARE ASSISTED LIVING FACILITIES** *Florida, Maryland, Pennsylvania, Ohio, Virginia, and West Virginia*

- › New one-story structures of either wood framing, light gage metal framing, or a combination of the two

### **BRADFORD REGIONAL MEDICAL CENTER** *Bradford, Pennsylvania*

- › Structural evaluation of basement walls

### **CHILDREN'S HOSPITAL** *Pittsburgh, Pennsylvania*

- › Evaluation of existing roof framing for helipad repair

### **CONCURRENT TECHNOLOGIES CORPORATION** *Johnstown, Pennsylvania*

- › New 10,000 sq.ft. research and development facility for powdered metals

### **DEPARTMENT OF VETERAN AFFAIRS, EASTERN REGIONAL HEADQUARTERS** *Philadelphia, Pennsylvania*

- › Evaluation of the cause of cracking in masonry walls and recommendations for repairs

### **FORD CITY ARMORY** *Ford City, Pennsylvania*

- › Structural design for a new 25,000 sq.ft. structure

### **FORT NECESSITY NATIONAL HISTORICAL PARK** *Farmington, Pennsylvania*

- › Structural design for new headquarters and maintenance buildings

### **FRANKLIN STREET UNITED METHODIST CHURCH** *Johnstown, Pennsylvania*

- › Investigation of the cause of floor settlement in the chancel and boiler room areas and recommendations for repairs





**GIANT FOOD STORES** *Keyser, West Virginia*

- › 50,000 sq.ft. concrete masonry and steel framed addition to existing structure

**GOOD SAMARITAN MEDICAL CENTER** *Johnstown, Pennsylvania*

- › Survey of defects in precast concrete wall panel connections to structural steel building frame and design of remedial action

**GPU GENCO, CONEMAUGH GENERATING STATION** *New Florence, Pennsylvania*

- › Structural supports for plant ventilating and electrical equipment

**GTE NORTH** *Erie, Pennsylvania*

- › Analysis of roof framing system and design of new roof structure

**HARRISBURG FEDERAL OFFICE BUILDING** *Harrisburg, Pennsylvania*

- › Design of structural support framing for a new air handling unit

**INDIANA HOSPITAL** *Indiana, Pennsylvania*

- › Design of a two-story addition atop a one-story portion of the hospital

**JOHNSTOWN AMERICA CORPORATION** *Johnstown, Pennsylvania*

- › Roof addition for crane bay area

**KOPPERS BUILDING** *Pittsburgh, Pennsylvania*

- › Design of structural reinforcements for an historic quality high-rise office building

**KENNAMETAL, INC., CHESTNUT RIDGE PLANT** *Latrobe, Pennsylvania*

- › Structural design for loading dock expansion
- › Structural survey of cooling tower support
- › Roof load analysis and design of reinforcing struts
- › Analysis and design of framing for relocation of hoist

**LAUREL PACKAGING, INC., JOHNSTOWN INDUSTRIAL PARK** *Johnstown, Pennsylvania*

- › Foundation design for a 30,000-gallon vertical liquid storage tank
- › Framing modifications for conveyor installations

**LATROBE JUNIOR HIGH SCHOOL** *Latrobe, Pennsylvania*

- › Additions and alterations to existing mezzanine, gymnasium, and classrooms





**NATIONAL DRUG INTELLIGENCE CENTER** *Johnstown, Pennsylvania*

- › Floor capacity analysis, equipment supports, and rooftop helipad feasibility study

**LOVELL PLACE OFFICE BUILDING** *Erie, Pennsylvania*

- › Design of modifications associated with adaptive reuse

**LETTERKENNY ARMY DEPOT** *Chambersburg, Pennsylvania*

- › Structural evaluation of collapsed roof structure of Building 6, WWII-vintage, timber-construction warehouse that had been converted to office space
- › Structural design of a new mezzanine within a high-bay area of a missile assembly facility
- › Fuel oil storage secondary containment structure, Building 349

**MELLON NORTH** *Erie, Pennsylvania*

- › Roof framing analysis and design for a new chiller

**NEWCOMER PRODUCTS** *Latrobe, Pennsylvania*

- › New four-story light industrial building with steel framing and insulated metal siding

**OIL REGION STATE HERITAGE PARK** *Oil City, Pennsylvania*

- › Structural evaluation of three buildings constructed between 1900 and 1930 and recommendations for their adaptive reuse as a heritage museum

**PENNSYLVANIA STATE UNIVERSITY** *University Park, Pennsylvania*

- › New alumni center including a 35,000 sq.ft. addition and renovation of a 10,000 sq.ft. existing building

**RICHLAND MIDDLE SCHOOL** *Johnstown, Pennsylvania*

- › Analysis and monitoring of cracking in masonry walls and design of new steel roof framing system
- › Analysis of, and recommendations related to cracking of concrete roof framing system

**SISTERS OF MERCY MOTHERHOUSE** *Pittsburgh, Pennsylvania*

- › New chapel addition for an historic convent

**SNOWSHOE MOUNTAIN RESORT** *Snowshoe, West Virginia*

- › Structural design for 133 new steel-frame concrete and wood condominium units
- › Mountain-top resort development including 150 residential condominium units, retail shops, and restaurant

**SOCIAL SECURITY ADMINISTRATION** *Ambridge, Pennsylvania*

- › Evaluation of settling floor slab and recommendations to repair the subgrade and replace the slab



**SOCIAL SECURITY ADMINISTRATION** *Philadelphia, Pennsylvania*

- › Repair and replacement of deteriorated sidewalk and planting areas which were causing leaks into basement areas

**THREE MELLON CENTER** *Pittsburgh, Pennsylvania*

- › Structural modifications for the addition of a new service elevator within a 41-story office building

**U.S. POST OFFICE AND COURTHOUSE** *Scranton, Pennsylvania*

- › Design of repairs to foundation walls and stabilization of the basement floor slab subgrade
- › Removal and replacement of sidewalks and entrance stairs including stabilization of substrate material
- › Second floor wall cracking investigation

**U.S. POST OFFICE AND COURTHOUSE** *Erie, Pennsylvania*

- › Review and interpretation of a structural evaluation of an historic library building being considered for adaptive reuse as a Courthouse Annex

**U.S. POST OFFICE AND COURTHOUSE** *Wheeling, West Virginia*

- › Investigation, evaluation, design, and repair of deteriorating historic masonry parapet wall

**WINDBER FIRE STATION** *Windber, Pennsylvania*

- › New 6,000 sq.ft. fire station

**WEST VIRGINIA STATE CAPITOL** *Charleston, West Virginia*

- › Structural design for new 1,200-ton chilled water plant

**WESTINGHOUSE SPECIALTY METALS PLANT** *Blairsville, Pennsylvania*

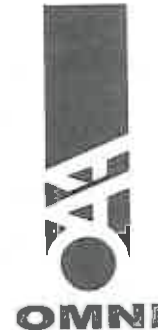
- › Cooling tower and pump house foundation design

**ZAMIAS AQUATIC CENTER, UNIVERSITY OF PITTSBURGH AT JOHNSTOWN** *Johnstown, Pennsylvania*

- › Reviewed and monitored the demolition of explosion-damaged portions of a new Aquatic Center
- › Structural inspection of the remaining portions of the building for possible explosion damage
- › Design of structural repairs
- › Structural inspection of the adjoining Sports Center

## TECHNOLOGY

Omni designs utilizing Auto-desk® Revit® 3D building information modeling enables more efficient, cost-effective project delivery and an accurate building model that can later assist in energy analysis and building management.



## about....

**OMNI ASSOCIATES - ARCHITECTS** is an award-winning architectural firm located in Fairmont, West Virginia. Our excellent reputation and superior work product are a direct result of mutual respect and effective communication with our clients and consultants, which enables our staff to provide outstanding architectural and engineering design services for our clients. Since our inception in 1980, OMNI has earned recognition in the programming, planning, and design of a variety of facility types, including office, retail, recreation, education, health care, military, and multipurpose facilities.

omni associates—architects, inc.

[info@omniassociates.com](mailto:info@omniassociates.com)

## EXPERIENCE

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



## DIVERSITY

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. 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 meets specific needs and exceeds expectations.

Our skilled team includes **6 registered architects**, intern architects, computer-aided design specialists, and knowledgeable administrative support staff.



**Our architects** are licensed to practice in 13 states, including West Virginia and all of its surrounding states as well as Florida, Illinois, New Jersey, New York, North Carolina, Michigan and South Carolina.

visualization.realization  
omni associates—architects



## CDC/NIOSH Parking Deck Morgantown, WV

This 220 space, three level parking structure was originally built in 1991. The structural frame was a post tensioned two way concrete slab where steel tendons are under tremendous tensile load to maintain the integrity of the deck. Over the years the concrete surface started to spall and degrade and in spots, actually eroded holes all the way through the deck to below.

In the Fall of 2017, Omni Associates along with a design/build team of the Alonzo Group Contracting, Whitney Bailey Cox Magnini Engineers and Carl Walker Construction provided testing, research, design and construction implementation to repair and restore the upper two parking decks.

The scope included sound testing for delaminated concrete, core sampling and lab testing for stability and chloride infiltration, visual structural cracking and surface degradation. Detailed drawings of all repairs were prepared and specific remediations were implemented. These include epoxy injections of cracks, removal and replacement of damaged concrete as well as installation of a new urethane coating of the surface and restriping of all parking spaces. The work had to be implemented in phases to ensure that areas not under repair could remain in use as parking on this site is limited. The final stages were completed in the Spring of 2018.

The repairs ultimately resulted in the extended useful life of the parking structure that otherwise would have had to been replaced at a premium cost and disruption to the NIOSH facility.



## Mylan Pharmaceuticals *Morgantown, WV*

In 2001, Mylan Pharmaceuticals approached Omni Associates—Architects to design a parking garage to accommodate their nearly 3,000 employees. Mylan had reached over 1,000,000 SF of manufacturing, storage and office space in their Morgantown facility and parking on the sloping campus was at a premium.

Omni designed a 4-story, 600 space precast concrete structure, which was completed in 2003. The structure had to be accessible on both sides of the site on differing levels and features a multilevel pedestrian bridge to the main facility.

Because of the sloping terrain on the campus, the parking structure had to be nested into the hillside. However, to maintain ventilation “openness” wells were implemented to provide code compliant ventilation. There are fire stairs as well as a passenger elevator for access to each level and fire safety. The parking lanes are on sloped ramps which switch back on each 60 foot bay to create the needed floor to floor heights.

The precast concrete system has designed with integral raceways for electrical devices, signals and lighting and the whole surface was coated with a long term sealer. The parking structure has had very little needed in terms of maintenance, even after 16 years of service.



visualization realization  
omni associates—architects



## Adams Street Parking Garage

*Fairmont, WV*

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.

The Adams Street Parking Garage was completed in 2005 at a cost of \$3.3 million dollars.

# FIRM OVERVIEW



"What I like most about ECS are the people. They are experts with a wide-range of knowledge. I never hesitate using ECS on projects."

— Crystal Morphis, Founder and CEO  
Creative Economic Development Consulting, LLC

## ABOUT OUR COMPANY

**Local:** ECS Mid-Atlantic, LLC is a premier provider of geotechnical engineering, construction materials testing, environmental consulting, and facilities engineering services across Maryland, Pennsylvania, New Jersey, and Virginia. With more than 600 employees and over 30 years of experience, ECS is equipped to help clients through the entire project cycle for both the private and public sectors.

**Company:** ECS Mid-Atlantic, LLC is one of the operating entities of the ECS Group of Companies. ECS currently operates in more than 60 locations throughout Eastern, Southeastern, Southwestern and Midwestern states. Utilizing the strengths, experience, and expertise of more than 1,700 staff across the company ECS is able to save our clients time and money.

## OUR VALUE

ECS embodies its philosophy of *"Setting the Standard for Service"* by using technology and experience to assist clients in the development of cost-effective, practical solutions. For over three decades, our engineering consulting services have helped our clients meet project requirements.

## ECS SAFETY

Our employees are committed to making safety an integral part of everyday operations. We conduct team safe behaviors that include observation and feedback using a Behavior Based Safety process we call STAR. We also hold monthly safety meetings, train employees to help lead those efforts as an office Safety Officer and talk about safe practices at the beginning of any ECS meeting. At ECS, safety is not just a priority; it is a core value that defines how we do business.

For more information: [www.ecslimited.com](http://www.ecslimited.com).

An orange vertical bar containing three white text elements: '1,700+ employees', '60+ office locations', and '1988 company founded'.

1,700+  
employees

60+  
office locations

1988  
company founded

# ECS EXPERIENCE WITH H.F. LENZ



ECS has been doing work with H.F. Lenz throughout the Mid-Atlantic region since 2009. During that time, we have performed services on more than 150 H.F. Lenz projects. A select listing of recent projects with H.F. Lenz appears below:

## **St. Andrews Church Outbuilding**

Johnstown, PA  
Environmental Services  
Year of Services: Ongoing

## **Stennis Space Center Paving**

Hancock County, MS  
Geotechnical & Materials Testing  
Year of Services: Ongoing

## **New Germany Road**

Ebensburg, PA  
Wetland Assessment  
Year of Services: 2019

## **Sycamore Belleville**

Belleville, MI  
Materials Testing - Soil & Concrete  
Year of Services: 2019

## **Project Rabbit 2.0 Phase I additions**

Orwell, OH  
Materials Testing Services  
Year of Services: 2019

## **SAIA Underground Utility**

Location  
Erie, PA  
Geotechnical Engineering  
Year of Services: 2019

## **Westinghouse NPDES**

Flairsville, PA  
Environmental Services  
Year of Services: 2019

## **TriStar Summit Outpatient Center**

Hermitage, TN  
Geotechnical Engineering  
Year of Services: 2018

## **Indiana Regional Medical Cancer Center/Medical Arts Facility**

Indiana County, PA  
Geotechnical Services  
Year of Services: 2018

## **Jeannette Industrial Park**

Jeannette, PA  
Facilities/Roofing Consulting  
Year of Services: 2018

## **Forest Hills Senior Center**

South Fork Brorough, PA  
Geotechnical Services  
Year of Services: 2018

## **Duncanville Warehouse Pavement Rehabilitation**

Duncanville, PA  
Geotechnical Services  
Year of Services: 2018

## **Cambria Heights High School Wetland Delineation**

Patton, PA  
Environmental Services  
Year of Services: 2018

## **CJIS Geothermal Well**

Clarksburg, WV  
Geotechnical Services  
Year of Services: 2018

## **Clarksburg Office Building**

Clarksburg, WV  
Environmental Services  
Year of Services: 2017

## **CJIS/FBI Main Building**

Clarksburg, WV  
Geotechnical Services  
Year of Services: 2017

## **Latrobe Hospital Parking Garage**

Westmorland County, PA  
Environmental Services  
Year of Services: 2017

## **UPS Facility**

Nitro, WV  
Materials Testing  
Year of Services: 2017



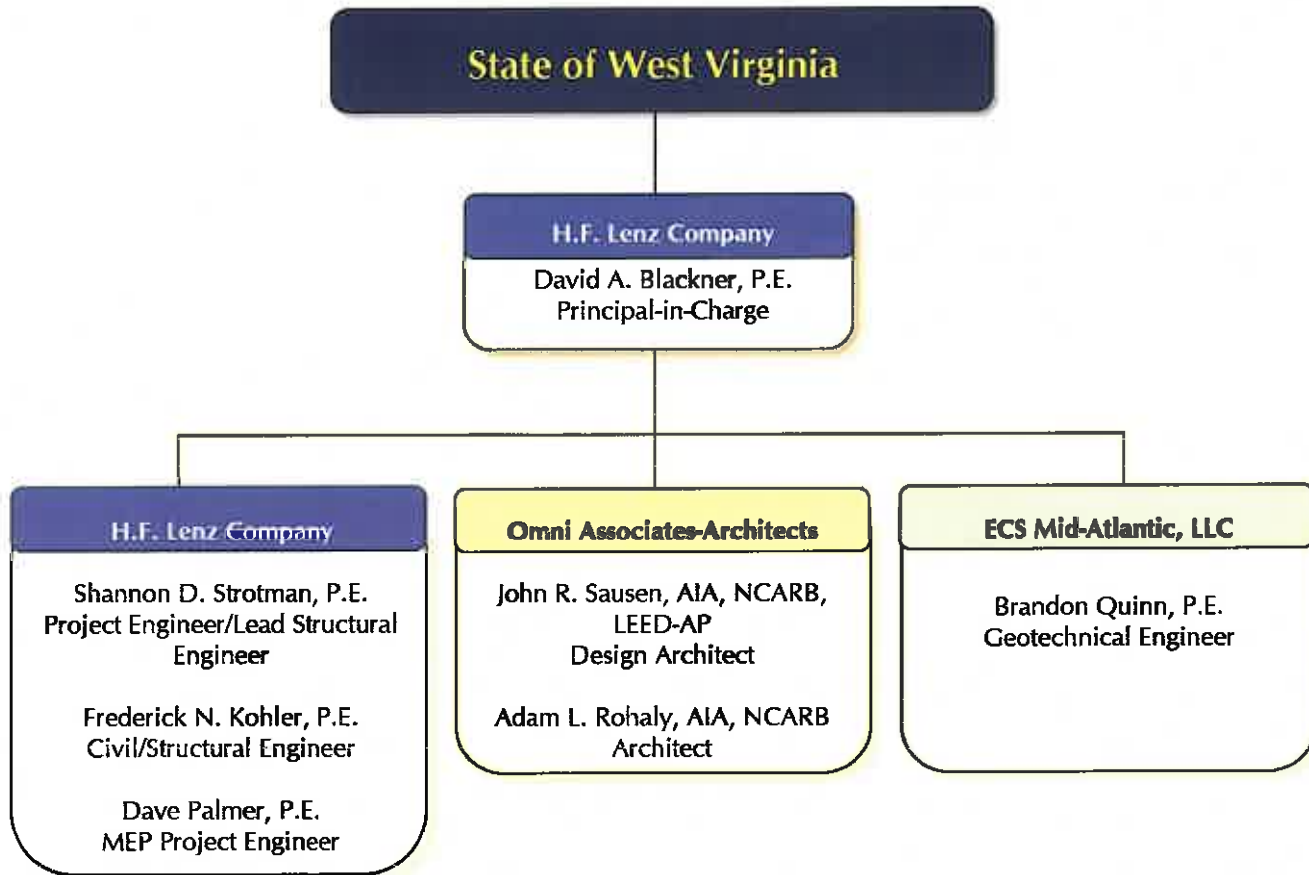




# ORG CHART & RESUMES

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# Project Team Org Chart





## David A. Blackner, P.E.

*Principal-in-Charge/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. He 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.

### EDUCATION

Associate, Mechanical Engineering  
Technology, 1988, Pennsylvania  
State University

Associate, Architectural Engineering  
Technology, 1988, Pennsylvania  
State University

### EXPERIENCE

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

### PROFESSIONAL REGISTRATION / CERTIFICATION

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

### PROJECT EXPERIENCE

#### Bank of New York Mellon, Pittsburgh, Pennsylvania

- › Mellon Client Service Center – Condition assessment and recommendation for repairs for a six-level parking structure under 14-stories of office building
- › One Mellon Center – Condition assessment of the two lowest levels of a 55-story building which serves as a parking garage and construction documents for recommended repairs

#### First Energy – Greensburg, Pennsylvania

- › Condition assessment for the 225,000 sq.ft., four-level parking structure and associated cast-in-place concrete stormwater detention pond

#### Fifth-Third Center – Charleston, West Virginia

- › New 66,000 sq.ft. D/B multi-tenant office building with a two level parking deck

#### Cambria County Area Agency on Aging – Cresson & South Fork, PA

- › Forest Hills Senior Activity Center: Retaining wall replacement and parking lot rehabilitation

#### Ellis Island Historic Site – Ellis Island, New Jersey

- › Replacement of damaged elevators

#### Johnstown Heritage Discovery Center – Johnstown, Pennsylvania

- › Five story stairwell in the existing historic building

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

- › Structural design for a new eight-story medical building with a three story vertical addition on a portion of the existing four-story building. Both buildings are connected via a three-story skyway.



## Shannon D. Strotman, P.E.

*Project Engineer/Lead Structural Engineer*

Mr. Strotman is responsible for the complete design and detailing of building structural systems. He is experienced in steel, pre-cast and cast in place concrete, masonry, light gage steel and wood building systems. He is also experienced in many different foundation systems including spread footings, caissons and grade beams and micro-piles and pile caps. He has served as lead structural engineer on various government, commercial, and industrial projects, and is experienced in the preparation of time and material engineering estimates, as well as, in the writing of construction specifications and design criteria. He has extensive experience with the design of building renovations and additions.

### EDUCATION

Bachelors, Architectural Engineering,  
1998, Pennsylvania State University

### EXPERIENCE

H.F. Lenz Company 1998-Present

### PROFESSIONAL REGISTRATION / CERTIFICATION

Licensed Professional Engineer in  
Pennsylvania, Alabama, Colorado,  
Connecticut, Florida, Indiana, Idaho,  
Louisiana, Maryland, Missouri,  
Mississippi, New Jersey, New  
Mexico, Ohio, South Carolina,  
Tennessee, Texas, Virginia, and West  
Virginia

### PROJECT EXPERIENCE

#### Data Center Expansion – New York City Metro Area

- › Renovation of an existing structure to support a data center and the related equipment; performed structural evaluation of existing floor and roof capacity to support new loads
- › Roof evaluation included new openings and dunnage for roof-mounted equipment

#### EDMC Data Center – Greater Pittsburgh Area

- › Renovation of an existing facility to support a data center and the related equipment; performed structural evaluation of existing floor and roof capacity to support new loads

#### Kennametal, Inc. – Latrobe, Pennsylvania

- › Building modification / expansion, including raising the height of the roof on a section of the building to house proprietary equipment. New foundations were designed to support the two story high equipment and the building was reinforced for the additional loads.

#### Fortune 200 Insurance Company – Central Ohio

- › Structural design for a new \$93 million, 114,000 sq.ft. Uptime Certified Tier IV data center; included supports for new UPS system, Project is LEED Gold

#### Indiana Regional Medical Center, ER and Behavior Health addition - Indiana, Pennsylvania

- › ER and Behavior Health Addition - New two-story addition, designed for an additional two stories. The new 15,000 sq foot per floor addition is partially sandwiched between three existing buildings



## Frederick N. Kohler, P.E.

*Civil/Structural Engineer*

Mr. Kohler has over 30 years of experience in construction, engineering, and construction administration. His role during construction includes inspecting installation; interpreting applicable codes during construction; facilitating construction and coordination meetings; estimating costs for negotiating change orders; and reviewing vendor/contractor submittals. He has extensive experience in the design of highways and bridges in Pennsylvania and working with PADEP and other regulatory bodies as required by permitting requirements. Mr. Kohler regularly communicates with regulatory agencies, clients and contractors and has experience preparing written reports and permit applications and participates in construction meetings.

### EDUCATION

Bachelor of Science, Civil  
Engineering Technology, 1984,  
University of Pittsburgh at Johnstown

### EXPERIENCE

H.F. Lenz Company 2001-Present  
The EADS Group, Inc. 1984 – 2001  
Egin Corporation 04/84 – 06/84

### PROFESSIONAL REGISTRATION / CERTIFICATION

Licensed Professional Engineer in  
Pennsylvania

### PROJECT EXPERIENCE

#### Bank of New York Mellon, Pittsburgh, Pennsylvania

- › Mellon Client Service Center – Condition assessment and recommendation for repairs for a six-level parking structure under 14-stories of office building
- › One Mellon Center – Condition assessment of the two lowest levels of a 55-story building which serves as a parking garage and construction documents for recommended repairs

#### First Energy – Greensburg, Pennsylvania

- › Condition assessment for the 225,000 sq.ft., four-level parking structure and associated cast-in-place concrete stormwater detention pond

#### Johnstown America Corporation - Johnstown, Pennsylvania

- › Structural analysis of existing floor

#### Cambria County Area Agency on Aging – Cresson & South Fork, PA

- › *Forest Hills Senior Activity Center*: Retaining wall replacement and parking lot rehabilitation
- › *Cresson Senior Activity Center*: 2nd floor structural improvements including new flooring

#### Cambria County Courthouse – Ebensburg, Pennsylvania

- › Civil/Structural engineer for the civil and structural engineering for site improvements in connection with aged and deteriorating hardscape elements at this historic courthouse

#### Flight 93 Memorial, National Park Service – Shanksville, Pennsylvania

- › Design of the substructure units associated with the 800 foot multi-span steel truss pedestrian bridge



## David E. Palmer, P.E., HFDP

*MEP Project Manager*

Mr. Palmer has worked in the HVAC engineering field for over 30 years as a consulting engineer, department manager, and project manager. His design and management background includes central plant chiller and boiler design, hospital design, education facility design and semi-conductor facility design. He has been lead system design engineer on projects exceeding \$250 million in construction cost.

### PROJECT EXPERIENCE

#### Ohio State House - Columbus, Ohio

- › Retrofit of a 487,000 sq.ft. parking garage, 3 level, 1,200 spaces. Design is complete and the project is currently out to bid

#### Pittsburgh Parking Authority - Pittsburgh, Pennsylvania

- › Wood Allies PPA Office Renovation Assessment
- › Sixth and Penn Avenue MEP Assessment
- › Sixth and Penn Ave parking garage MEP Renovation
- › Third Ave Garage AHU Replacement
- › Wood Allies Parking Authority Office HVAC Replacement
- › Wood Allies Parking Garage Fire Alarm Replacement

#### Southside Works Parking Garage, Pittsburgh, Pennsylvania

- › MEP design

#### UPMC Parking Garages, Pittsburgh, Pennsylvania

- › MEP assessment of 13 existing garages
- › UPMC University Center - MEP renovations for a 25,000 sq.ft., 65-space parking garage, project features include dimmable LED lighting and ventilation controls to reduce energy use
- › UPMC Shadyside Hospital - MEP renovations for a 83,224 sq.ft., 224 -space parking garage, project features include LED lighting technology and free electric car charging stations
- › UPMC Presbyterian – MEP renovations for a 155,000 sq.ft., 450-space parking garage, project features include LED lighting technology, controls for garage ventilation system to reduce energy consumption and has the electric vehicle charging stations

#### Scranton Parking Authority – Scranton, Pennsylvania

- › MEP evaluation and design of upgrades for five garages

#### Veterans Affairs Medical Center, Clarksburg, West Virginia

- › Design of a new 537-car, four level parking garage – designed but not built

### EDUCATION

Bachelor of Science, Energy Technology, 1983, The Pennsylvania State University

### EXPERIENCE

H.F. Lenz Company 2002-Present •  
Eichleay Engineers 1998-2002 •  
Industrial Design Corporation 1993-1997 •  
South Hills Engineering Inc. 1991-1993 •  
Presbyterian University Hospital 1988-1990 •  
Olds Engineering Associates Inc. 1983-1985

### PROFESSIONAL REGISTRATION / CERTIFICATION

Licensed Professional Engineer in Pennsylvania •  
Healthcare Facility Design Professional

### PROFESSIONAL AFFILIATIONS

Institute of Environmental Sciences and Technology



## 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

#### **Fairmont Regional Medical Center- Fairmont, WV**

Life Safety Study

Pharmacy Feasibility Study

Long Term Healthcare Hospital

#### **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



**Adam L. Rohaly, , AIA, NCARB**

**Project Role:** Project Manager, Design Architect

**Experience:** Became a Principal Architect in 2015. Seven years' experience as an intern architect with comprehensive knowledge of project management from programming through construction administration. Architectural practice has included diverse project types including educational facilities, government and military facilities, office buildings, health care facilities, commercial design, multifamily and single-family housing, and custom fabrication.

**Achievements and Awards:**

Leadership Marion XXX (2011—2012)

Adjunct Professor at Fairmont State University teaching Advanced Architectural CAD as well as Design classes.

Board of Directors of Monongalia Arts Center

Assisted Habitat for Humanity of Morgantown to develop potential low income housing strategies.

Awarded Outstanding Thesis Award - 2004: Virginia Tech faculty.

**Registration and Professional Affiliations**

American Institute of Architects, Member

American Institute of Architects—West Virginia, Member

National Council Architectural Registration Board

U.S. Green Building Council, Firm Membership

Associated Builders and Contractors Inc., Firm Membership

**Years of Experience**

Joined Omni in 2007

**Background**

Master of Architecture: Virginia Polytechnic Institute, 2004

**Select Project Experience**

WVU Medicine Morgantown South

West Virginia Army National Guard Armed Forces Readiness Center

Charleston Federal GSA Building

West Virginia University Blanchette Rockefeller

Neurosciences Institute

West Virginia University Child Development Center

Morgantown Utility Board Renovations

West Virginia High Technology Consortium

NASA and National White Collar Crime Fit Outs

University Health Associates MRI Addition

Sundale Palliative Care Center Addition

Atlas Chiropractic Center

Timberbrook Townhomes

Starbucks / Chipotle @ University Town Center

Grant Avenue Apartments

Pro Performance at University Place

Assisted Living at White Oaks

WVU Agriculture Science Meat Processing Lab



# BRANDON QUINN, PE

GEOTECHNICAL ENGINEER/BRANCH MANAGER



## PROFESSIONAL PROFILE

Mr. Quinn currently serves as the Branch Manager and as a Geotechnical Engineer for the Roanoke office of ECS Mid-Atlantic, LLC. Responsibilities include managing geotechnical projects, coordinating and managing soil borings, soil classifications, infiltration testing, slope stability analysis, geotechnical/earth structures design and construction inspections. Mr. Quinn has experience managing and executing a wide variety of subsurface investigation programs including adapting fieldwork to adverse conditions and evaluating subsurface conditions.

## REGISTRATIONS

Professional Engineer: VA

## SKILLS

Geotechnical Engineering  
Roadway Improvement  
Geotechnical/Earth Structures  
Design  
Construction Inspections

## EDUCATION

Master of Science, 2014,  
Civil Engineering, Virginia  
Polytechnic Institute and State  
University, Blacksburg, VA  
Bachelor of Science, 2012,  
Civil Engineering, University of  
Missouri-Rolla, Rolla, MO

## YEARS OF EXPERIENCE

ECS: 3 Other: 1

## PROJECT EXPERIENCE

- Chapmanville Elementary School, Logan County, WV
- Colins Middle School and Pre K-2 School, Oak Hill, WV
- Raleigh County New Elementary School, Crab Orchard, WV
- Bridge The Gap Greenway, Roanoke, VA
- Carilion Roanoke Community Hospital Cooling Tower, Roanoke, VA
- Southern Hills Animal Hospital, Roanoke, VA
- Virginia Western Community College New STEM Building, Roanoke, VA
- Williamson & Tazewell Apartments, Roanoke, VA
- Cambria Street and North Franklin Street Corridor, Town of Christiansburg, VA
- Roanoke City Communications Center, Roanoke, VA
- Route 220 Corridor Improvements, Phase 1 and 2 (VDOT), Botetourt County, VA
- Route 652 (Harris Creek Road) over Harris Creek Bridge Replacement, Prince Edward County, VA
- VDOT Route 718 (Colonial Turnpike) over Pigg River Bridge Replacement, Franklin County, VA
- Colonial Green Medical Facility, Roanoke, VA
- Toddsbury Drive Slope, Vinton, VA
- E-911/VA811 Communications Center, Roanoke, VA
- Clinch Mountain WMA Slope, Saltville, VA
- Roanoke Valley SPCA, Roanoke, VA
- DMA Christiansburg, VA
- VDOT Route 58 Lovers Leap, Stuart, VA
- Park Middle and Independence High Schools, Beckley, VA
- Powells Creek Solar Farm, Alton, VA
- Calfee Park, Pulaski, VA





# TECHNICAL PROPOSAL

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## Project Approach

### CAPITOL COMPLEX PARKING GARAGE EXPANSION – WV STATE BUILDING #13

The initial phase of this project is to evaluate the feasibility of expanding the existing parking structure vertically. To complete this task, H.F. Lenz Company (HFL) will gather available information pertaining to the existing superstructure components and foundation system(s). Upon completion of a thorough review of the available record documents, a site visit will be conducted to perform a visual assessment to document the condition of the existing parking facility. After completing a preliminary conditions report and computational load analysis, it will be determined if third party testing is necessary to develop a preliminary expansion plan.

If results of the initial phase confirm that vertical expansion of the parking garage is feasible, HFL will proceed with facilitating a geotechnical investigation and invasive testing as required to develop a design solution. The design solution will be presented in a supplemental report to the initial phase report documenting the design solution and probable cost of construction.

Based upon results of the evaluation, HFL will advance the design to producing Construction Documents. These documents will include coordination with the Agency to accommodate facility phasing requirements, program requirements and general construction phase services. The project is expected to include multiphase construction document packages and corresponding construction phase services.



## ATTACHMENTS & EXCEPTIONS

## Exception to the General Terms and Conditions

H.F. Lenz Company requests that the following change be made to the General Terms and Conditions.

Please change the first sentence of Article 36, Indemnification, to read: "The Vendor agrees to indemnify, defend (except for the defense of professional liability claims), and hold harmless the State and the ....."

**Reason:** While our Commercial General Liability insurance policy will pay for defense, Professional Liability Policies do not cover defense.



LENZH-1

OP ID: DV

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
09/11/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Wertz & Roadman, Inc. P.O. Box 640 Johnstown, PA 15522 Todd N. Roadman	814-623-1111	CONTACT NAME: Todd N. Roadman	PHONE (A/C, No, Ext): 814-623-1111	FAX (A/C, No): 814-623-7798
INSURED H. F. Lenz Company 1407 Scalp Avenue Johnstown, PA 15904		INSURER(S) AFFORDING COVERAGE		
		INSURER A: National Fire Ins.Co.of Hartfd		NAIC # 20478
		INSURER B: Continental Ins Co - CNA		35289
		INSURER C:		
		INSURER D:		
		INSURER E:		
		INSURER F:		

**COVERAGES**      **CERTIFICATE NUMBER:**      **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR			6043449742	09/10/2018	09/10/2019	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000
<input checked="" type="checkbox"/> Pollution GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PROJECT <input checked="" type="checkbox"/> LOC OTHER:						PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000 Emp Ben. \$ 1mil/2mil
<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY			6043297512	09/10/2018	09/10/2019	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED <input checked="" type="checkbox"/> RETENTION \$ 0			6043297543	09/10/2018	09/10/2019	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
<input checked="" type="checkbox"/> WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	6043297526 6043449742 (OH STOP GAP)	09/10/2018 09/10/2018	09/10/2019 09/10/2019	<input checked="" type="checkbox"/> PER STATUTE <input checked="" type="checkbox"/> OTHER E.L. EACH ACCIDENT \$ 500,000 E.L. DISEASE - EA EMPLOYEE \$ 500,000 E.L. DISEASE - POLICY LIMIT \$ 500,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
Evidence of Coverage

<b>CERTIFICATE HOLDER</b>	<b>CANCELLATION</b>
BLANK-0  Evidence of Coverage	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE <i>Doreen M. Venz</i>



HFLNZC-01

KGODWIN

# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
09/11/2018

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

**PRODUCER**  
Ames & Gough  
100 Greensboro Drive  
Suite 988  
CLean, VA 22102

**CONTACT NAME:**  
**PHONE (A/C, No, Ext):** (703) 827-2277 **FAX (A/C, No):** (703) 827-2279  
**E-MAIL ADDRESS:** admin@amesgough.com

INSURER(S) AFFORDING COVERAGE		NAIC #
INSURER A :	RLI Insurance Company A+, XI	13056
INSURER B :		
INSURER C :		
INSURER D :		
INSURER E :		
INSURER F :		

**INSURED**  
  
H.F. Lenz Company  
1407 Scalp Avenue  
Johnstown, PA 15904-3329

**COVERAGES**                      **CERTIFICATE NUMBER:**                      **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

TYPE OF INSURANCE	ADDL INSD	SUBR WVR	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:						EACH OCCURRENCE \$ DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ PRODUCTS - COMP/OP AGG \$ \$
<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
<b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED    RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N    N/A If yes, describe under DESCRIPTION OF OPERATIONS below						PER STATUTE    OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
<b>Professional Liab.</b>			RDP0033252	07/15/2018	07/15/2019	Per Claim/Aggregate    5,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

**CERTIFICATE HOLDER**  
  
**EVIDENCE OF COVERAGE**

**CANCELLATION**  
  
SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  
  
AUTHORIZED REPRESENTATIVE  
*Thomas J. Kelly*

STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

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

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

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

**DEFINITIONS:**

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

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

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

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

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: H.F. Lenz Co.

Authorized Signature: *David Alan Blackburn* Date: 05/20/2019

State of Pennsylvania

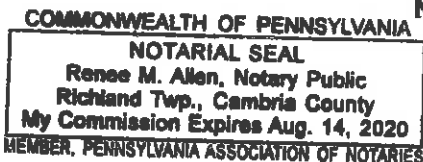
County of Cambria, to-wit:

Taken, subscribed, and sworn to before me this 20<sup>th</sup> day of May, 20 19

My Commission expires 8/14/20, 20   

AFFIX SEAL HERE

NOTARY PUBLIC *Renee M Allen*





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

David A. Blackner, P.E., Principal-in-Charge  
\_\_\_\_\_  
(Name, Title)  
\_\_\_\_\_  
(Printed Name and Title)  
1407 Scalp Avenue, Johnstown, PA 15904  
\_\_\_\_\_  
(Address)  
814-269-9432 / 814-269-9301  
\_\_\_\_\_  
(Phone Number) / (Fax Number)  
dblackner@hflenz.com  
\_\_\_\_\_  
(email address)

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

H.F. Lenz Co.  
\_\_\_\_\_  
(Company)

  
\_\_\_\_\_  
(Authorized Signature) (Representative Name, Title)

DAVID ALAN BLACKNER, PRINCIPAL  
\_\_\_\_\_  
(Printed Name and Title of Authorized Representative)

May 20, 2019  
\_\_\_\_\_  
(Date)

814-269-9432 / 814-269-9301  
\_\_\_\_\_  
(Phone Number) (Fax Number)



Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

State of West Virginia  
 Centralized Expression of Interest  
 34 - Service - Prof

Proc Folder: 569929

Doc Description: B13 Piedmont Parking Garage Expansion Project


Proc Type: Central Contract - Fixed Amt

Issued	Solicitation Closes	Solicitation No	Version
19-04-25	2019-05-21 13:30:00	CEOI 0211 GSD1900000009	1

**RECEIVING LOCATION**  
 CLERK  
 DEPARTMENT OF ADMINISTRATION  
 PURCHASING DIVISION  
 19 WASHINGTON ST E  
 CHARLESTON WV 25305

**ENDOR**  
 Vendor Name, Address and Telephone Number:  
 H.F. Lenz Co.  
 1407 Scalp Avenue  
 Johnstown, PA 15904  
 814-269-9300

**INFORMATION CONTACT THE BUYER**  
 Kissa Pettrey  
 (412) 558-0094  
 kissa.k.pettrey@wv.gov

Signature X  FEIN # 25-1007465 DATE May 20, 2019  
 I offer subject to all terms and conditions contained in this solicitation



Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

State of West Virginia  
 Centralized Expression of Interest  
 34 - Service - Prof

Proc Folder: 569929

Doc Description: Addendum No.1 B13 Piedmont Parking Garage Expansion Projec

Proc Type: Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2019-05-10	2019-05-21 13:30:00	CEOI 0211 GSD1900000009	2

**BID RECEIVING LOCATION**

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

**VENDOR**

Vendor Name, Address and Telephone Number:

H.F. Lenz Company  
 1407 Scalp Avenue  
 Johnstown, PA 15904  
 814-269-9300

**FOR INFORMATION CONTACT THE BUYER**

Melissa Pettrey  
 (304) 558-0094  
 melissa.k.pettrey@wv.gov

Signature X  FEIN # 25-1007465 DATE May 20, 2019  
 I offers subject to all terms and conditions contained in this solicitation



Purchasing Division  
 2019 Washington Street East  
 Post Office Box 50130  
 Charleston, WV 25305-0130

State of West Virginia  
 Centralized Expression of Interest  
 34 - Service - Prof

Proc Folder: 569929

Doc Description: Addendum No.2 B13 Piedmont Parking Garage Expansion Projec

Proc Type: Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2019-05-16	2019-05-21 13:30:00	CEOI 0211 GSD1900000009	3

**BID RECEIVING LOCATION**

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

**VENDOR**

Vendor Name, Address and Telephone Number:

H.F. Lenz Co.  
 1407 Scalp Avenue  
 Johnstown, PA 15904  
 814-269-9300

**FOR INFORMATION CONTACT THE BUYER**

Melissa Pettrey  
 (304) 558-0094  
 melissa.k.pettrey@wv.gov

Signature X  FEIN # 25-1007465

DATE May 20, 2019

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

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: GSD190000009**

**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 checked="" 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 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.

H.F. Lenz Co.

Company

  
Authorized Signature

May 20, 2019

Date

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