













State of West Virginia

AEOI 0310 DNR1900000010

A/E Services for North Bend Lodge
Renovation and Redecoration

June 14, 2019 P19-0457



architecture design



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June 13, 2019

Angela White Negley
West Virginia Division of Natural Resources
Property and Procurement Office
324 4th Avenue
South Charleston, WV 25303

The following submission is offered as LAI Inc.'s expression of interest and response to the State of West Virginia's Expression of Interest for A/E Services for North Bend Lodge Renovation and Redecoration located in North Bend State Park, 202 N Bend Park Rd, Cairo, WV 26337.

State of West Virginia Solicitation Number AEOI 0310 DNR1900000010

1. Executive Summary

Lakeside Architecture, Inc. (dba LAI, Inc.) is a corporation registered in the State of West Virginia. LAI, Inc, (LAI) provides Full Architectural services from Master Planning to Construction Administration. LAI currently has two offices in McHenry, MD and Fairmont, WV. The firm was established in 2002. LAI collaborates and teams with prequalified, experienced and reputable Professional Consulting Services in all the disciplines required to provide a total solution for Concept, Feasibility Study, Project Design, Management and Administration to guarantee our clients, owners and stakeholders satisfied with the transparent process and development to finished working facility.

CJL Engineering has been one of the premier MEP/FP Professional Engineering firms we are working with currently and in the past. If LAI is selected, CJL will be a sub-consultant for the Engineering Design for the MEP/FP disciplines. Their qualifications are attached and bring solid experience and personnel to our team.

2. Project Goals & Objectives

Goal/Objective 1: A successful strategy in any building renovation project is to first and foremost understand what the Design Team has to work with in regard to existing building construction. Construction Type, "Back of the House" Clearances such as ceiling plenums, shafts and crawlspace typically play a major role in the decision-making process as to which mechanical and electrical systems can be practically put into place. Construction installation logistics, as well as the long-term operation and serviceability of systems all depend on the thorough understanding of the options and limitations the existing building give us. Experienced Team-The proper balance between design and cost is integral to LAI's and CJL's approach to accurate design. As your architect/engineer team, it is our responsibility to develop a comprehensive, efficient, and reliable design at a cost that is both reasonable and in line with the project budget. We accomplish this through substantial involvement by our most experienced architects/engineers, including those who participate in the QA process. As with other similar type projects, a thorough walk-thru of the facility would be the proposed first step. Along with gathering information on existing construction, this recon would also allow for an understanding of the existing systems currently in place.

Goal/Objective 2: Communication - One of our fundamental working philosophies is a strong emphasis on interaction with the Owner, Construction Manager and other professionals on the design team from the onset of the project. This helps to integrate the design into the beginning phases of the project. LAI's and CJL's Principals and Senior Staff represent the firm at all meetings, and prepare and review all communications. Responsive and timely communications are standard operating procedure. The same architects/engineers that developed the design will remain involved through the completion of the project, insuring continuity and the benefits of experience in the construction of the project. The senior architects/engineers spend time in the field working with the construction team to resolve any issues, thereby creating a better understanding of the design intent and a less adversarial relationship between the engineers and the contractors. This will enable our team to identify and resolve problems encountered during construction more effectively. Our architectural and engineering team members plan, develop, evaluate and analyze throughout each phase of the project, while coordinating with the client, the project team, appropriate agencies, and utilities at each step. The resulting design decisions are documented in the project team minutes of meeting, in reports, and our drawings. Through this process, project changes are minimized, allowing our clients to make informed decisions during each stage of the design process, while the opportunity to influence or modify project direction remains available. The ongoing design coordination done effectively and in collaboration with the construction team results in a much better understanding of the design intent on the part of the construction team. This further reduces misunderstandings and construction problems in the field.

Goal/Objective 3: Quality Documents - The high quality and accuracy of our documents result in fewer problems during the construction process, minimal change orders and more effective communication and relationship with contractors. As our standard operating process, focuses on accurate documentation and written communications throughout the project. Project documentation is rigorously maintained in a project manual, including reports, calculations, correspondence, punch lists, and utility coordination. This process ensures maximum clarity of concepts and design decisions.



3. Reasons to select LAI/CJL Team

Location / Distance from Cairo, WV:

LAI Fairmont, WV

72 miles

CJL Morgantown, WV

91 miles

Collaboration: LAI and CJL use the latest A/E Design & Drawing Technology town to expedite drawings and specification electronically as well as to eliminate mistakes and redundant work efforts. Thus insuring on-time construction documents and immediate replies to contractors for RFI's

Hands on Architecture and Engineering: LAI and CJL have established proven processes that enable contractors to quickly communicate and request changes on the go. This communication and relationship with the contractors eliminates finger pointing and uses that energy to solve any issues that arise during the project.

Codes and Permits: LAI and CJL have extensive experience with Local, State and Federal guidelines and regulations as it pertain to A/E design of new and renovated public buildings

Availability: LAI and CJL are ready and available to begin kick-off meetings and design for this conversion project within one week of award. The principals of each company have committed to prioritize this important state project. LAI and CJL will commit to make any interviews if selected for this project.



TABLE OF CONTENTS

SECTION 1

Firm Overview

SECTION 2

Qualifications

- Proposed Staffing Plan
- Employee Resumes

SECTION 3

Experience

- Project Lists
- Project Profiles

SECTION 4

Past Performance

• Project References

SECTION 5

Additional Information

- Contact Information
- Certificate of Liability Insurance
- Addendum Acknowledgement Form
- Purchasing Affidavit



1 FIRM OVERVIEW

FIRM PROFILE

Lakeside Architecture, Inc. (dba LAI, Inc.) is a corporation registered in the State of West Virginia. LAI, Inc, (LAI) provides Full Architectural services from Master Planning to Construction Administration. LAI currently has two offices in McHenry, MD and Fairmont, WV. The firm is a Woman-Owned Small Business and was established in 2002.

LAI has an abundant database of projects with a wide variety of scopes and services, many of which are in West Virginia, with numerous owners including government funded projects. LAI has a plentiful list of repeat clients based upon our continuous record of quality, knowledge, design, customer service, prompt deliverables and on/under budget fees.

LAI currently employs 5 people which include: 1 Licensed Architect, (registered in 4 states and NCARB certified), one Project Manager, and 3 Contract Employees.

LAI has been immersed in the architecture of government, residential, commercial, industrial, office space, health care, hospitality, and multi-family building types for years. Growing out of a mountainous setting in the Deep Creek Lake area of Maryland the fluid studio also practices out of the urbane fabric in Fairmont, West Virginia. Employing an energetic, young and highly educated staff no project is too large or too small for LAI Architects to design as long as the work is striving for greatness, artful response and a rigid responsibility to quality and sustainable permanence.

LAI strives to increase the ideal of the building to an extremity of details, where the details contain the heart of a building, the heart of its own ideal. Through this we find the greatest wealth - the wealth of the individual soul of men and women - which contributes to a material wealth that is provided for by our good work, good relationships with clients and a great reputation.

The presence of West Virginia University allows LAI Architects to look to the broad future of expanding our realm to the global spectrum of architecture, while tapping the creative energy of a great university for upcoming projects. LAI Architects interviews, carefully, developmental clients that seek to commercially develop projects with quality over quantity. LAI Architects is servicing clients in a quality projects are on the design boards at the LAI studio to be constructed on beautiful sites in the rural landscapes near the Morgantown area and Deep Creek Lake / Western Maryland.

The firm, works closely with proven sub-consultants as well as local craftsmen such as cabinet makers, steel fabricators, blacksmiths, and various consultants and engineers nationwide. LAI Architects utilizes a broad range of technological tools to obtain architecture, computer BIM (building information model) software, computer drafting software, graphic design software, physically built models of different materials, physical material and discipline written research.

Lakeside Architecture Inc. (LAI)
Phone: (301) 387-3380
www.lai-arc.com

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FIRM OVERVIEW

Established in 1938, CJL Engineering is a full service, mechanical, electrical, plumbing, fire protection, and civil/structural consulting engineering firm known for mastering the most challenging projects in the region. With offices in western Pennsylvania, eastern Ohio, northern West Virginia and Maryland, our super-regional focus has enabled us to become one of the preeminent MEP firms in the industry, proudly serving a wide range of specializations and clients.



Range of services:

Analysis and concept
Construction budgeting
Building information modeling (BIM)
Energy modeling
Detailed construction documents
Construction phase services
Building commissioning



More than 155 personnel, including:

40 Professional Engineers
28 LEED® Accredited Professionals
A Certified Energy Manager (CEM)
Commissioning Process Management
Professionals (CPMP)
Building Energy Assessment
Professionals (BEAP) and NICET Fire
Protection
Life Safety Systems Certified
Engineers



Centers

A broad range of clients

Green Buildings, Science, Laboratory and Research Facilities Healthcare - Hospitals, Urgent Care, Medical Centers and Labs Education - Colleges, Universities, Trade Schools, K-12 Corporate, Commercial, Office Buildings Industrial - Light and Heavy Manufacturing,

Warehousing
Performing Arts Centers, Museums,
Theaters and Libraries
Government and Secure Facilities
High Tech Buildings/ Mission Critical Data

Hotels, Ice Arenas and Sports Facilities Apartments, Dormitories and High Rise Central Plants, Energy Facilities and Utility Distribution Centers

Historic and Adaptive Retrofit Master Planning and Design



Specialization

REVIT® / BIM

HVAC Systems Electrical Systems Fire Detection and Protection Plumbing Design LEED® Green Building Design Commissioning **Energy Modeling Solutions** Civil / Structural Engineering Architectural Lighting and Controls **Telecommunications** Life Safety Systems Voice/Data/Audiovisual Security Systems Power System/Quality Evaluations Life Cycle Analyses **Retrofit Evaluations**













2 QUALIFICATIONS

A/E Team Organization Chart





Matt Sotosky, P.E. Principal In Charge WV License #15839



Rodney Wolfe, P.E. Electrical WV License #15969



Adam Hale, P.E. Mechanical WV License #23509



David Duray, P.E. Structrural WV License #12912



Jesse Bierer Mechanical



Shelley B. Missimer-Waugh, RA President / Owner

Professional Registration:

- Maryland Registered Architect No. 12669
- West Virginia Registered Architect No. 3291
- Pennsylvania Architect No. RA407975
- Tennessee Registered Architect No. 101409- Inactive
- NCARB Certified (reciprocity availability in 48states)



Relevant Experience / Team Member:

- Deep Creek Lake State Park, Forest Canopy Walkway Swanton, MD
- VA Autopsy Renovation Clarksburg, WV
- VA General Practice Exam Wing Clarksburg, WV
- Garrett County Exhibit and Trade Center USDA Funding McHenry, MD
- Garrett Residence Hall Garrett Community College McHenry, MD
- Garrett Maintenance/Office Building Garrett Community College McHenry, MD
- City of Parsons Master Plan Parsons, WV
- North Central WVCCA Homeless Housing and Transient Housing Fairmont, WV
- Park Side Senior Housing USDA Terra Alta, WV
- Numerous Tenant Fit Outs for DHHR, DEP, Group Homes for state of WV Various Cities
- Garrett Co. District Courthouse renovation Oakland, MD
- Broadford Park, Lake Amphitheater Oakland, MD

Education:

- NCARB Intern Development Program Completed May 1997
- Professional Degree of Architecture Second Degree Program, University of Tennesse 1994, Knoxville, TN
- Bachelor of Science Architecture Engineering Technology, Fairmont State College 1991, Fairmont, WV
- Minor Numerous Interior Design Courses, Fairmont State College, Fairmont, WV

Personal Community Service Experience:

- Architectural Committee Member for the Mountainside Marina Club Community
- Former Board of Directors The Property Owners Association of Deep Creek Lake
- Former Sponsor and Volunteer Mountaintop Soccer Association
- Former Financial Secretary Divine Hope Church
- Former Chairman Financial Committee Divine Hope Church
- Former Board Committee Member Living Hope for Drug and Alcohol Abuse
- Former Legislative Sub-Committee Member to the Board of Commissioners Garrett County



Matthew R. Sotosky, P.E. LEED Accredited Professional Managing Partner

Contact Information

3 412 267 1220 ext 102

msotosky@c|lengineering.com

PROFESSIONAL SUMMARY

Matt Sotosky is a Managing Partner of CJL Engineering. He started with the firm in 1990 and his responsibilities include designing and managing mechanical and electrical engineering projects for all types of buildings. Matt has extensive experience in Design and Commissioning of HVAC, Plumbing and Fire Protection for Healthcare, Educational, Industrial and Commercial projects, with over 27 years of experience as a Professional Engineer. He has designed and/or managed over 2.5 billion dollars in construction.

REPRESENTATIVE PROJECTS

West Virginia University, NASA Independent Verification and Validation Center, Fairmont, WV

West Virginia University, Oglebay Hall and Forensic Lab, LEED® Certified, Morgantown, WV

West Virginia Capitol Complex #3, Charleston, WV

West Virginia University Medicine, Children's Hospital, Morgantown, WV

Federated Investors Tower, Pittsburgh, PA Energy Innovation Center, LEED® Platinum, Pittsburgh, PA

Autodesk® Bakery Square 2.0, Tenant Fit out, Pittsburgh, PA

Xitech Corporate Headquarters, Camegie, PA AT&T Platinum Building, Pittsburgh, PA BJC Data Center, LEED® Compliant, St. Louis, MO

Giant Eagle Corporate Headquarters, Pittsburgh, PA

AccuWeather World Headquarters, State College, PA

Green Building Alliance, LEED® CI Platinum, Pittsburgh, PA

Erie Insurance Headquarters, Erie, PA Leetsdale Industrial Park, Leetsdale, PA eCenter @LindenPointe, Hermitage, PA Cambria County Central Park Complex, Johnstown, PA, Renovation

UPMC Hamot, Bayview Medical Office Building, Erie, PA

Akron Children's Hospital, Beeghley Medical Office Building, Boardman, OH

NOTEWORTHY PROJECTS

UPMC East LEED® Silver, New Medical Center, Monroeville, PA

UPMC Hamot, Regional Center for Mother and Baby Health, Erie, PA

UPMC Hamot, New Patient Care Tower, Erie, PA (In-Design)

UPMC Passavant Pavilion, LEED® Silver, Expansion Pittsburgh

Saint Vincent, Allegheny Health Network, Erie PA

- AC-3 Operating Room Supplemental Chiller Design
- Air Pressure Relationship Study for Entire Hospital
- New EP Lab, Chemo Infusion Area
- Orthopedic Surgeons Space
- North Patient Tower, Multiple Floor Renovations

Allegheny County Soldiers and Sailors Memorial, Pittsburgh, PA

Pennsylvania State Correctional Institutions Renovations, Multiple Locations

EDUCATION

Bachelor of Science 1989 / Mechanical Engineering University of Pittsburgh

SPECIALIZATIONS

Mechanical Engineering
Energy Audits and Building Study
Master Planning, Feasibility Study
Geothermal Systems, Commissioning
Healthcare and Central Plants

REGISTERED PROFESSIONAL ENGINEER

Pennsylvania, West Virginia, Maryland, Ohio, Indiana, Michigan, Illinois, Oklahoma, Texas, Kentucky, Florida, Georgia, New Mexico, Missouri Colorado, Tennessee

MEMBERSHIPS/ACTIVITIES

International District Energy Association (IDEA)

American Society of Mechanical Engineers (ASME)

American Society of Plumbing Engineers (ASPE)

ASHRAE

Association for the Society of Hospital Engineers (ASHE)

International Ground Source Heat Pump Association (IGSHPA)

Pennsylvania Society of Professional Engineers (PSPE)

National Society of Professional Engineers (NSPE)

U.S. Green Building Council (USGBC)



Adam B. Hale, P.E. Senior Associate I Mechanical Engineer

Contact Information

2 412.262.1220, ext. 139

(A) ahale@cilengineering.com

PROFESSIONAL SUMMARY

Adam Hale is a Mechanical Engineer at CJL Engineering. He joined the firm in 2008 as an intern and became a full-time employee in 2010.

Adam is responsible for the design and specification of HVAC and other mechanical systems for educational, healthcare, commercial, and corporate clients. He surveys existing facilities and systems to confirm and evaluate their condition. He conducts engineering studies, establishes design criteria, and estimates project costs. He is also responsible for communicating project needs and requirements between owner, architect, engineer and client.

REPRESENTATIVE PROJECTS

West Virginia University Medicine, Children's Hopsital, Morgantown WV

West Virginia Capitol Complex, Building 5, 6 and 7 Steam Upgrade, Charleston, WV

UPMC, Multiple Locations
UPMC East LEED® Silver, New Medical
Center, Monroeville, PA
UPMC Hamot, Regional Center for Mother
and Baby Health, Erie, PA
UPMC Hamot, New Patient Care Tower,
Erie, PA (In-Design)
UPMC Passavant Pavilion, LEED® Silver,
Expansion Pittsburgh
UPMC Presbyterian, Deconstruction &

Redesign, Pittsburgh, PA

Duke LifePoint, Conemaugh Health Systems, Johnstown, PA East Hills Outpatient Center Ebensburg Outpatient Center Conemaugh Memorial, Steam Condensate Study Conemaugh Memorial, Lab Pressure Project Conemaugh Memorial, Plastics Department, Tennant Fit-out Conemaugh Memorial, 'D' Building Infill Tower

UPMC Lemieux Sports Complex, Penguins New Dual Rink Training Facility, Cranberry, PA The Pennsylvania State University, Behrend - Knowledge Park, Advanced Manufacturing and Innovation Center, Erie, PA

Meadville Medical Center, Vernon Place – Medical Office Building, Meadville, PA

St. Francis University, Loretto, PA New Science Center and Vivarium Degol Fieldhouse Renovation Sullivan Hall Renovation

Cambria County War Memorial Arena, Ice Rink Floor Replacement / Hockeyville HVAC Coordination, Johnstown, PA

CamTran Operations Center, Johnstown, PA

One PNC Tower - 14th Floor Renovations. Pittsburgh, PA

Autodesk, Inc. Tenant Fit-Out, Bakery Square Business Complex, Pittsburgh, PA

Stoneham Arena, Rink Refrigeration and Floor Renovation, Stoneham, MA

University of Pittsburgh, Salk Hall Renovation, Pittsburgh, PA

Southwestern Veterans Center, Pittsburgh, PA

McGuffey High School, Renovation, Claysville, PA

Carmichaels Junior-Senior High School, Renovations, Carmichaels, PA

EDUCATION

University of Pittsburgh at Johnstown, Johnstown, PA Bachelor of Science Mechanical Engineering Technology 2010

SPECIALIZATIONS

Mechanical Engineering HVAC Design Facility Analysis Master Planning On-site Troubleshooting

REGISTERED PROFESSIONAL ENGINEER

Pennsylvania West Virginia

MEMBERSHIPS / CERTIFICATES

ASHRAE
ASHRAE HFDP (Healthcare Facility
Design Professional)
ASHE



Rodney A. Wolfe, P.E. Principal | Electrical Engineer

Contact Information

🖀 412.262.1220 est 115

@ rwolfe@cilengineering.com

PROFESSIONAL SUMMARY

Rodney Wolfe is an Electrical Engineer and Principal of CJL Engineering. He started with the firm in 1993 and he is responsible for overseeing the electrical drafting, design and specifications of projects to assure compliance with local, state and federal codes, regulations and standards, establish company electrical design criteria, and schedule electrical department personnel to complete project assignments. Rodney is involved in the design and specification of low and medium voltage distribution systems, lighting systems, emergency power systems, local area networks, sound and communications systems and site utilities. His noteworthy projects, comprising new construction, expansions and adaptive retrofit include:

RELEVANT PROJECTS

(DGS 514-28, Phase 1) Warren State Hospital, Renovate Fire Alarm and Fire Suppression Systems, Warren County, PA

(DGS 961-31 Phase 1) Hamburg Readiness Center, Pennsylvania National Guard, 75 kW Generator, Hamburg, PA

(DGS 963-57, Phase 1) Greensburg Readiness Center Rehabilitation, Greensburg, PA,

(DGS A970-221) Southwestern Veterans' Center, Emergency Generator Installation, Pittsburgh, PA

(DGS A964-46) Stryker Brigade Readiness Center, Punxsutawney, PA

Pennsylvania State Correctional Institutions Renovations

SCI Dallas, Dallas, PA

SCI Huntingdon, Huntingdon, PA

SCI Cresson, Cresson, PA

SCI Frackville, Frackville, PA

SCI Greensburg, Greensburg, PA

SCI Cambridge Springs, Cambridge Springs

PA State Regional Correctional Facility Mercer, Mercer County, PA

Westmoreland County Juvenile Detention Facility, Greensburg, PA

Camīran Operations Building LEED® Certified 750 kW Generator, Johnstown, PA

Lincoln Primary Care Center, 100 kW Generator, Charleston, WV

GE Transportation Division, Erie, PA

Water's Edge – Polar Bear Exhibit LEED® Compliant, Pittsburgh Zoo and PPG Aquarium, Pittsburgh, PA

Animal Health Center LEED® Compliant, Pittsburgh Zoo and PPG Aquarium, Pittsburgh, PA

University of Pittsburgh at Johnstown, Owen Library, Johnstown, PA Jamestown Dual-Rink Ice Arena and District Cooling System Chilled Water Plant, Jamestown, NY

Garrett County Memorial Hospital, Oakland, MD

Greater Johnstown Community YMCA, Johnstown, PA

NOTEWORTHY PROJECTS

Allegheny College, Meadville, PA Clarion University of Pennsylvania, Clarion, PA Community College of Allegheny County, Pittsburgh, PA

Edinboro University of Pennsylvania, Edinboro, PA

Indiana University of Pennsylvania, Indiana, PA Mansfield University of Pennsylvania, Mansfield, PA

Mount Aloysius College, Cresson, PA Slippery Rock University of Pennsylvania, Slippery Rock, PA

University of Pittsburgh at Titusville, Titusville, PA

EDUCATION

B.S. / 1988 / Electrical Engineering University of Pittsburgh

SPECIALIZATIONS

Electrical Engineering
Primary Power
Industrial Power
Government and Healthcare
Schools K-12
Colleges and Universities

REGISTERED PROFESSIONAL ENGINEER

West Virginia Pennsylvania Maryland Ohio

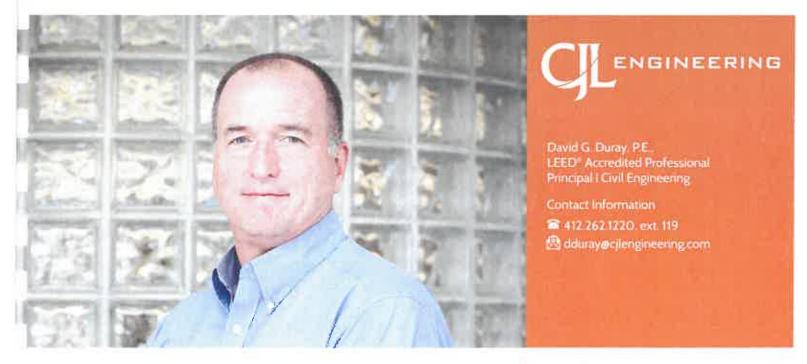
MEMBERSHIPS/ACTIVITIES

Member of the Building Industry Consulting Service International (BICSI).

Pennsylvania Society of Professional Engineers (PSPE)

National Society of Professional Engineers (NSPE)

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PROFESSIONAL SUMMARY

Dave Duray is the Department Head of Civil Engineering at CJL Engineering. He started with the firm in 2007. Dave's 35 years of experience includes a wide variety of Civil Engineering and Surveying disciplines, plus the management and ownership of his own consulting engineering firm for over 19 years. His responsibilities include scheduling and coordination of personnel, client liaison work, project development, design and quality control.

Dave's technical background includes structural, water systems, sanitary sewer systems, stormwater management, site development, roadways, paving, drainage, municipal and permitting. He performs feasibility studies, cost analysis, total project cost estimates and evaluation of funding alternatives.

REPRESENTATIVE PROJECTS

STRUCTURAL

Carnegie Museum Heat/Cool Plant Master Plan, Pittsburgh, PA University of Pittsburgh, Fisher Hall Chiller

Replacement, Pittsburgh, PA

University of Pittsburgh, Steam Line, Pittsburgh, PA

St. Francis University, DeGol Field House, Loretto, PA

Mt. Nittany Medical Center, Blood Lab, State College, PA

Elliott Company, Jeanette, PA

Westinghouse Electric Co., Waltz Mills, PA Single Source Roofing Office Renovation, Pittsburgh, PA

Marion Manor Renovations, Pittsburgh, PA Callahan Ice Rink, Bradford, PA

SITE DEVELOPMENT

Frederick National Laboratory, Fort Detrick, Chilled Water Plant Expansion Phase I, Frederick, MD

UPMC Mercy Hospital, Pittsburgh, PA UPMC, New Physician's Office, Mount Jewett, PA

Jameson Hospital Site Work, New Castle, PA St. Francis University (New Science Center and DeGol Field House -

Expansion), Loretto, PA

PNC Bank - 35 Summit Central Plant, Pittsburgh, PA

City of Johnstown - 2012 Street Reconstruction Project,

Johnstown, PA

CamTran Operations Facility, LEED® Compliant, Johnstown, PA

WRC Assisted Living Facility, Clarion, PA Ebensburg Animal Hospital, Ebensburg, PA Liberty Grace Brethren Church Parking Lot, Johnstown, PA

WATER AND SANITARY

Ferndale Borough Sanitary Sewer Project, Johnstown, PA

CTMA Rt. 985 Waterline Extension, Johnstown, PA

Glendale High School Sewer and Water, Glendale, PA

Maple Avenue Waterline, South Fork, PA Wagner Road Waterline, Vinco, PA Jerome-Hyasota Sewer System, Jerome, PA Pegasus Sewer System, Johnstown, PA Duman Lake Sanitary Sewer System, Belsano, PA

RECREATION

City of Johnstown Playground Rehab., Johnstown, PA North Star High School Athletic Field Renovation, Boswell, PA Roxbury Park Improvements, Johnstown, PA Greater Johnstown Community YMCA, Johnstown, PA

EDUCATION

University of Pittsburgh B.S. - Civil Engineering - 1980

SPECIALIZATIONS

Civil Engineering Structural Engineering Feasibility Studies Stormwater Management

REGISTERED PROFESSIONAL ENGINEER

Pennsylvania, Colorado, District of Columbia, Kentucky, Maryland, Missouri, New York, Ohio, Oklahoma, Texas, Virginia, West Virginia



Jesse Bierer Mechanical Designer

Contact Information

412.262.1220, ext. 161

@ jbierer øcjlengineering.com

PROFESSIONAL SUMMARY

Jesse Bierer is the Morgantown Office Manager and Mechanical Designer at CJL Engineering joining the firm in 2017. He has been involved in the mechanical system design and commissioning of projects for health care, schools K-12, industrial, college/university, and corporate projects. Jesse specializes in the design and specification of hot and chilled water systems, heating and cooling air systems.

RELEVANT PROJECTS

West Virginia University Medicine, Children's Hospital, Morgantown, WV

West Virginia University Medicine, Central Sterile Renovation, Morgantown, WV

Stoneham Rink Renovation, Stoneham, Massachusetts

High Rise Tenant Fit Out - East Beaver Avenue, State College, PA

AHN St. Vincent Hospital Hardner Building, Erie, PA

AHN St. Vincent Hospital Nuclear Imaging Renovations, Erie, PA

AHN St. Vincent Hospital - 5th Floor, Erie, PA

AHN St. Vincent Infill building, Eire, PA

Bentley Building - CHS Alera, Pittsburgh, PA

Conemaugh Medical Oncology Addition East Hills, Johnstown, PA

Conemaugh Good Sam Radiology Oncology Renovation, Johnstown, PA Fox Chapel Area School District, New Kerr Elementary, Pittsburgh, PA

Meritus - Robinwood Suite 200 Residency, Hagerstown, MD

Magee Women's Hospital - Green Zone Fire Protection, Pittsburgh, PA

NRG Uptown District Energy Center, Pittsburgh, PA

PA Cyber Wexford, Wexford, PA

St. Edmunds Academy, Pittsburgh, PA

Davita Tenant Fit Out, Loch Raven, MD

Union Trust Building – 2nd Floor, Pittsburgh, PA

University of Pittsburgh Community Engagement Center, Pittsburgh, PA

UPMC Hamot Lung Center, Erie, PA

UPMC Magee-Womens Hospital, Pittsburgh, PA

EDUCATION

West Virginia University Bachelor of Science Mechanical Engineering Aerospace Engineering 2016

SPECIALIZATIONS

Mechanical Engineering Project Management HVAC Systems AutoCAD Revit

MEMBERSHIPS/ACTIVITIES
ASHRAE



3 EXPERIENCE

LAI / CJL Team Experience

Mt. Laurel Medical Office Expansion Oakland, Maryland

Prime - LAI, Inc. - Architects

CJL Engineering provided the MEP/FP design service for the 5,000 SF addition to the existing two story medical office.

The scope of work included design of the new VRF HVAC system, plumbing and fire protection system extension, electrical power extension, lighting system design, fire alarm system extension and coordination with LAI Architects, Owner and Civil Engineers.

Cost: \$500,000.00 Design: 2017 Construction: 2018

Broadford Park Amphitheater Electrical Design Oakland, Maryland

Prime - LAI, Inc. - Architects

CJL Engineering provided the electrical design for the new Amphitheater located on the fishing dock side of the lake at Broadford

The electrical scope of work included electrical design service for the lights, power for amps, speakers, and coordination with AV system. CJL coordinated with LAI Architects, Civil Engineer, utilities and other public agencies having jurisdiction as pertained to the new Amphitheater.

Cost: \$85,000.00 Design: 2017 Construction: 2018

Lonaconing Town Hall Lonaconing, Maryland

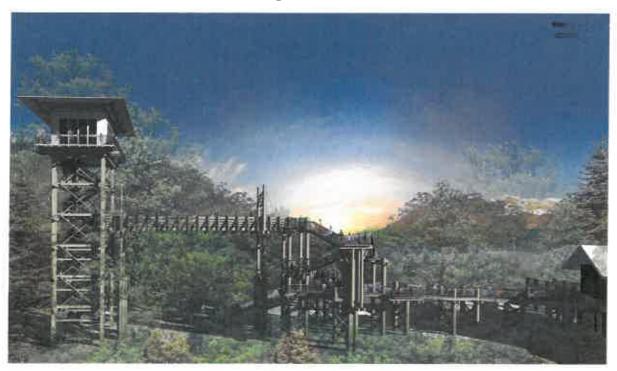
Prime - LAI, Inc. Architects

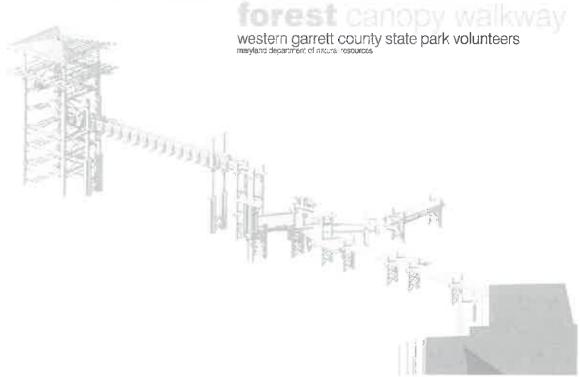
CJL Engineering is providing MEP design for the new 1,700 SF single story Lonaconing Town Hall. The scope of work includes design for HVAC system, plumbing, fire alarm system, power, telecommunications, and lighting systems. CJL will coordinate with LAI Architects, Owner and Civil Engineer.

Cost: \$122,000.00 Design: 2017 Construction: 2018



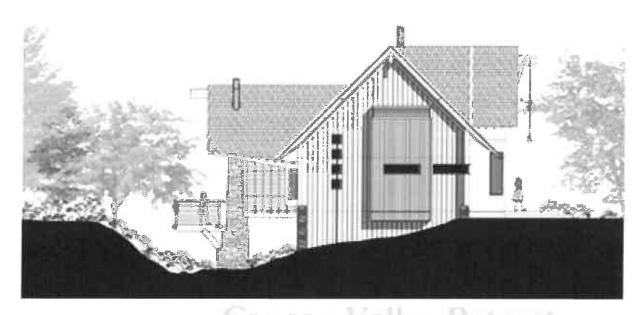
Project Profile



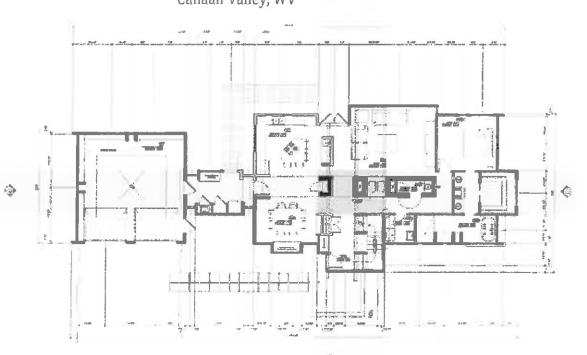




Project Profile



Canaan Valley, WV

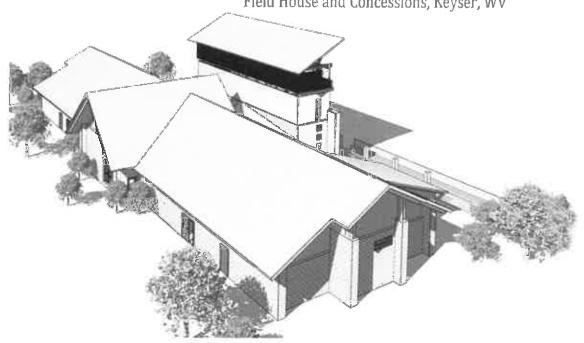




Project Profile



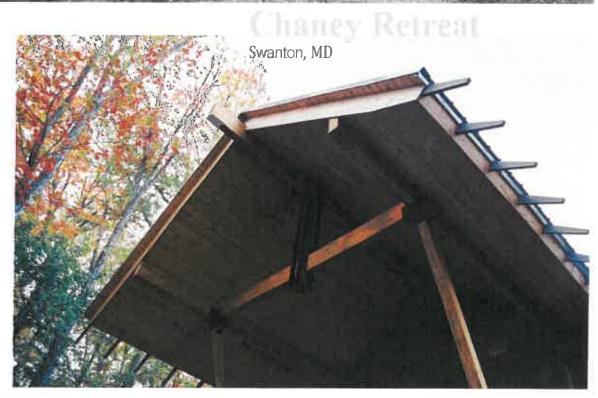
Field House and Concessions, Keyser, WV





Project Profile







CJL Engineering West Virginia Projects

West Virginia Capitol Complex, State Office Buildings #1 & #3 LEED® Certified, Charleston, WV

West Virginia University Medicine, New Children's Hospital, Ruby Hospital, Morgantown, WV

West Virginia University, Morgantown, WV

- NASA Independent Verification and Validation Center, Fairmont, WV
- Studio Theater Renovation, Morgantown, WV
- Oglebay Hall, Forensic Science Lab, LEED® Certified, Morgantown, WV
- Brooks Science Hall, Morgantown, WV
- · Campus Master Plan, Morgantown, WV

Fairmont State College, Fairmont, WV

- · Hunt Haught Hall, Fairmont, WV
- Pritchard Hall, Fairmont WV

Beckley Neville Street Renovation Project, Beckley, WV

Chestnut Manor, Renovation Project, Weirton, WV

Community Bank of Parkersburg, Parkersburg, WV

West Liberty State College, Fire Alarm System, West Liberty, WV

Weirton Medical Center, Weirton, WV, Various Projects

- Administration Suite, CT Scanner, Emergency Power
- Medical Records, MRI, Pharmacy, Sleep Lab
- Women's Center, Endoscopy, Fire Pump
- Medical Office Building, Business Office
- New OR Suite, Physician Lounge and Library

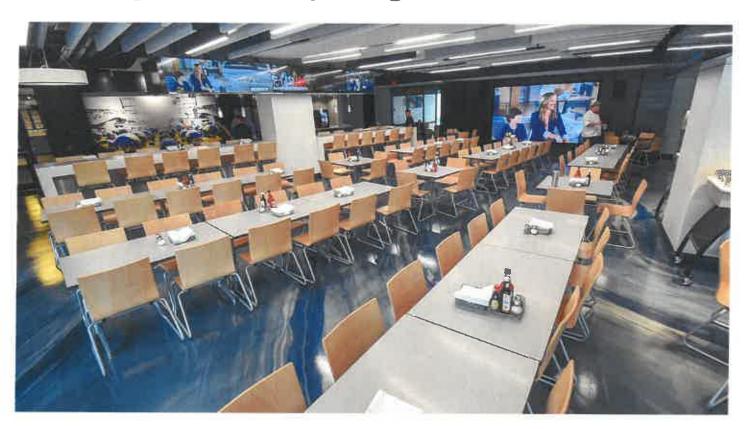
Bluefield Regional Center, Bluefield, WV

Valley Hospice Personal Care Home, Wheeling WV



Puskar Center Performance Dining Facility

West Virginia University, Morgantown, WV



THE PROJECT

CJL Engineering was contracted to provide mechanical, electrical, plumbing and fire protection engineering services for the \$3.4 million kitchen and dining renovation at the Puskar Center Training Table. The existing kitchen and dining facility was completely modified, with new arrangements of equipment and service areas. This facility will be an asset to WVU's student athletes, providing them with healthy food options, the athletes will learn how fueling their bodies help them to perform their best.

- As part of the design development phase meetings, CJL reviewed opportunities with the project team and users to achieve an energyefficient project.
- Conducted surveys to obtain existing site information necessary to develop engineering design.
- Provided kitchen ventilation equipment, such as, kitchen hood exhaust fans, kitchen hood makeup air units and kitchen DOAS RTU.
- Provided an extension of the existing Siemens DDC automatic temperature control system. The system included new control panels, control wiring, control valves, thermostats, switches, relays, controllers, and other accessories.
- Provided double check backflow preventer for all ice maker, dishwasher, and pre-rinse sink water connections.



Oglebay Hall, Forensic Science Lab West Virginia University, LEED® Certified, Morgantown, WV



THE PROJECT

West Virginia University transformed its historic 54,000 sf Oglebay Hall into a state-of-the-art forensics laboratory and classroom building. Dating from 1916, the new 74,000 sf building includes DNA and molecular biology laboratories, electron microscopy, bone analysis, gas chromatograph, ballistics analysis, blood, fingerprint, and trace evidence analysis facilities, as well as classrooms, faculty and graduate student offices, and new auditoriums. The project is designed to achieve a LEED® certification.

CJL DESIGN SOLUTIONS

- HVAC systems provide exceptional indoor air quality and energy efficient performance. Variable speed drives reduce energy use during part load conditions, and the HVAC systems use environmentally friendly refrigerants.
- Ventilation levels in non-lab areas automatically adjust for the number of occupants. Generous fresh air volumes are 'scrubbed' with MERV-13 high efficiency filtration and ultraviolet (UV) lights that reduce airborne contaminants.
- Bridge tie in to new campus wide chilled water distribution system.

- · Routing of campus loop piping through the basement and crawlspace.
- Building chilled water pumps equipped with variable speed drives for energy savings.
- Equipment selected with 15 degree chilled water temperature rise to increase central plant efficiency and reduce building pipe sizes.
- High performance window glazing system for beneficial daylight will reduce thermal losses and solar heat gain. Lighting systems adjust to daylight levels and automatically allow for dim and shut off, saving energy.

Project Reference:

Mr. Arbie Forman, PE Project Manager, Physical Plant West Virginia University 304 293 2878 arbie forman@mail.wvu.edu

CJL Engineering

Pittsburgh | Johnstown | Youngstown | Frederick | Erie | Morgantown P: 412.262.1220 | cilengineering.com



NASA IV&V Facility

West Virginia University, Fairmont, WV



THE PROJECT

The Independent Verification and Validation Center was built by West Virginia University for NASA. CJL Engineering was responsible for the facility's Mechanical and Electrical Engineering Design. Achieving total power redundancy was a priority for this 50,000 sf super computer center.

- Chilled water systems with redundant chillers and air-handling units with variable frequency drives.
- · Under-floor chilled water loop.
- Redundant chilled water and hot water pumping systems with VFD.
- Energy management system with monitoring and alarm sensors.
- Two 4000-amp 480-volt independent primary power feeds from separate power companies for system redundancy.

- Two 1000 KVA generators, with provisions for a third, provide generator / utility paralleling.
- 1000 KVA uninterruptible power supply (UPS) and 15-minute wet battery backup.
- Emergency diesel generators with a redundant unit, and provisions for a fourth, supply the entire building with back-up power.
- Under-floor duct system for computer, communication, and power cable.



Hidden Valley Resort, Lodge Complex Hidden Valley, PA



THE PROJECT

Hidden Valley is an intimate resort featuring 26 well-groomed trails and slopes, a 18-hole championship golf course and the Trillium Spa. Utah-based, Jack Johnson Company was hired to implement a five-year master plan. The First Phase of this program was the \$30 million renovation of the Hidden Valley Condo / Lodge and Clock Tower Complex. The structure includes a multitenant high-rise, full kitchen, combination interior / exterior pool, offices and retail areas. CJL Engineering was contracted to design the mechanical, electrical and plumbing system improvements.

CJL DESIGN SOLUTIONS

- Multiple system options for the HVAC include: 4-pipe fan coil system, 2pipe heat pump system, air-cooled heat pump system and large air handling units for outside air.
- All tenant utilities will be individually metered.
- Central boiler system, central chiller system and units for humidification for the pool area, and make-up units for kitchen exhaust.
- A new 277 / 480V, 3,000 amp electrical service was provided for the new resort component.
- Plumbing enhancements include: multiple domestic hot water options, individual water heater system, central boiler system, interior storm piping, and interior gas piping system.
- New plumbing connections for the kitchen and pool areas.

CJL Engineering



Nemacolin Woodlands Resort & Spa

Chateau Lafayette, Farmington, PA



THE PROJECT

CJL Engineering provided the electrical engineering design for Chateau Lafayette, a five-story, 124-room luxury hotel located at Nemacolin Woodlands Resort. In addition to its European amenities, the Chateau Lafayette features a grand marble-clad reception area, the Lautrec Restaurant, the 8,700 sf. Marquis Ballroom and upscale shops, all of which received unique specialty lighting applications.

- Provided the comprehensive electrical component of the hotel construction including lobby areas, guest rooms, office areas, restaurants, a kitchen and support areas.
- Coordinated the design of the Electrical Systems and lighting for the hotel with the project's interior designer.
- The design included all voice / data / security and point-of-sale communication systems, as well as the coordination of specialty lighting and sound systems.



DGS 163-36, Presque Isle State Park Upgrade Beach/Shower House and Concession Building, Erie, PA



THE PROJECT

CJL Engineering was contracted to provide mechanical, electrical and plumbing design services for the beach/shower house replacement. Presque Isle State Park is a 3,200acre peninsula that arches into Lake Erie. Presque Isle offers its visitors a beautiful coastline and many recreational activities, including swimming, boating, fishing, hiking, bicycling, and in-line skating.

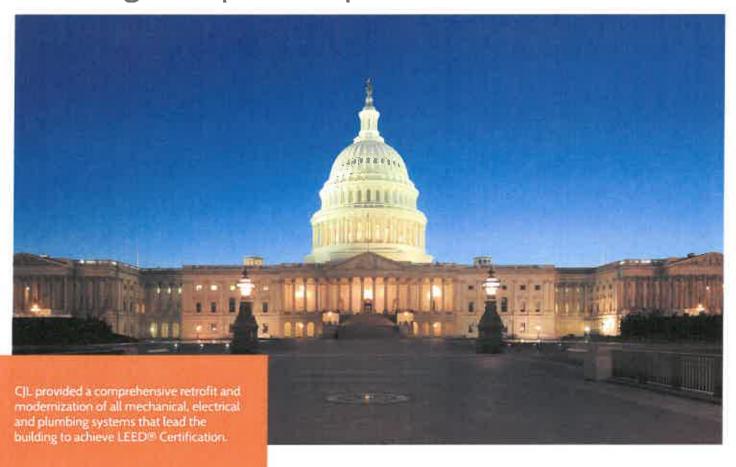
- Full MEP engineering design.
- · Provided all necessary documentation required by DGS for each phase of design.
- Attended design meetings as required.
- Attended DGS review meetings at each design phase.
- Reviewed RFIs during bidding process and issued bulletins.

- Reviewed MEP submittals.
- Performed one site visit per month during construction.
- · Provided final punch list.
- Prepared "Record Drawings" and reviewed O&M manuals.



State Office Building #3, LEED® Certified

West Virginia Capitol Complex, Charleston, WV



THE PROJECT

The West Virginia State Office Building #3 is a 235,000 sf 10-story limestone-faced structure that is part of the Capitol Complex in Charleston, WV. Built in the early 1950's the structure houses a number of different state offices. The building required a comprehensive retrofit and upgrade of all mechanical, electrical and plumbing systems. Following its architectural and engineering retrofit, the building achieved LEED® Certification.

CJL DESIGN SOLUTIONS

- All existing MEP equipment was replaced with new systems and the building was brought up to meet current code requirements
- Heating and cooling systems were connected to the existing campus wide steam and chilled water systems
- New electrical service and equipment were provided to serve the building including a new emergency generator

- All new plumbing systems, including new fixtures, were installed
- Fire protection systems were installed for a fully sprinklered building with a new fire pump located in the basement
- The building is LEED® Certified

PROJECT REFERENCE:

Scott Mason, PE 1900 Kanawha Boulevard, East Charleston, WV 25305 304.558.3490

CJL Engineering

Pittsburgh | Johnstown | Youngstown | Frederick | Erie | Morgantown P: 412.262.1220 | cjlengineering.com

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4 PAST PERFORMANCE

References

Drew M. Chidester
Senior Director, Energy and Environmental
Engineering/Affairs
UPMC

3514 5th Av. 1st Fl., Pittsburgh, PA 15213 412-623-2506

chidesterd@upmc.edu

David Everly
Facilities Manager
WVU Medicine
1 Medical Center Drive
Morgantown, WV 26505
304-598-4141
everlyd@wvumedicine.org

Jeff Randolph
Senior Facility Engineer
MarkWest Energy Partners
WV Route 50
West Union, Grove, WV
304-782-2802
Jeff.Randolph@MarkWest.com

Joseph T. Badalich
Senior Project Manager
UPMC Corporate Construction
U.S. Steel Tower, Suite 60114
600 Grant Street, Pittsburgh, PA 15219
412-578-9586
jbadalich@upmc.edu

Scott Bierer
Director of Facilities
WVU Medicine
1 Medical Center Drive
Morgantown, WV 26505
304-598-4141
bierers@wvumedicine.org

Arbie Forman, PE
Project Manager, Physical Plant
West Virginia University
979 Rawley Lane
Morgantown, WV 26506
304-293-2878
arbie.forman@mail.wvu.edu

Warren K. Green
Facilities Construction Project Manager
Dominion Resources Services Inc.
445 W. Main Street
Clarksburg, WV 26301
304-627-3681
wkgreen@dominionenergy.com

James R. Lodge
Vice President
District Energy Operations & Asset Management
NRG Energy, Distributed Generation
Pittsburgh, PA
602-541-4952
James.Lodge@nrgenergy.com



5 ADDITIONAL INFORMATION

CJL Engineering Contact Information

AEOI 0310 DNR190000010

A/E Services for North Bend Lodge Renovation and Redecoration

Marketing and Business Development

Mark F. Sotosky 232 Horner Street Johnstown, PA 15902

(814) 536-1651 Ext. 102 (814) 619-1040 cell marksotosky@cilengineering.com

Architect

Shelley B. Missimer-Waugh, RA PO Box 306 McHenry, MD 21541

> (301) 387-3380 swaugh@lai-arc.com

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.

(Name, Title)
(Printed Name and Title)
327 PRICKETTS FORT PO. FAIRMONT, WY 26554 (Address)
304.292.7750 (Phone Number) / (Fax Number)
SHAUGHEL AL-ARC. 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.

(Company)
(Authorized Signature) (Representative Name, Title)
(Printed Name and Title of Authorized Representative)
6 10 19 (Date)
304. 292. 7750 (Phone Number) (Fax Number)



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 06/11/2019

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(les) must 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 PHONE (A/C, No. Ext): E-MAIL ADDRESS: NBS Insurance Agency, Inc. PO Box 182500 Columbus, OH 43218 INSURER(S) AFFORDING COVERAGE NAIC # INSURER A: Hartford 30104 INSURED INSURER B Lakeside Architecture Inc INSURER C 327 Pricketts Fort Rd Bellview, WV 26554 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. ADDL SUBR TYPE OF INSURANCE POLICY NUMBER LIMITS COMMERCIAL GENERAL LIABILITY EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) CLAIMS-MADE LOCGUR \$ MED EXP (Any one person) Ś PERSONAL & ADV INJURY \$ GEN'L AGGREGATE LIMIT APPLIES PER: GENERAL AGGREGATE \$ PRO-JECT POLICY PRODUCTS - COMP/OP AGG \$ OTHER: \$ COMBINED SINGLE LIMIT (Ea accident) AUTOMOBILE LIABILITY \$ ANY AUTO BODILY INJURY (Per person) \$ SCHEDULED AUTOS NON-OWNED AUTOS ALL OWNED AUTOS **BODILY INJURY (Per accident)** PROPERTY DAMAGE HIRED AUTOS Ś \$ UMBRELLA LIAB OCCUR EACH OCCURRENCE \$ EXCESS LIAB CLAIMS-MADE AGGREGATE \$ DED RETENTION \$ \$ 33WECCD7482 04/01/2020 X PER STATUTE WORKERS COMPENSATION 04/01/2019 AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNEN/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) if yes, describe under DESCRIPTION OF OPERATIONS below E.L. EACH ACCIDENT s100,000 N/A \$500,000 E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT | \$100,000 DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) **CERTIFICATE HOLDER** CANCELLATION DIVISION OF NATURAL RESOURCES NORTH BEND STATE PARK SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. 202 NORTH BEND PARK RD. CAIRO, WV 26337-9730 AUTHORIZED REPRESENTATIVE

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ADDENDUM ACKNOWLEDGEMENT FORM SOLICIFATION NO.: AEOI DNR:19*12

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)
Addendum No. 1 Addendum No. 2 Addendum No. 3 Addendum No. 4 Addendum No. 4 Addendum No. 5 Addendum No. 9 Addendum No. 5
I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.
Company Authorized Signature DEA LAI, INC.
6/10/19 Date
NOTE: This addendum acknowledgement should be submitted with the bid to expedite document

processing.

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 ilmited to, obligations related to payroli 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 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:

Maryland My Commission Expires June 14 2021

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

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

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

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

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