



**CEOI 0439 EBA2300000001**

**Re: Architectural / Engineering  
Services for UPS on site**

08/11/22 11:48:31  
WV Purchasing Division



August 10, 2022

Toby L. Welch  
Department of Administration, Purchasing Division  
2019 Washington Street East  
Charleston, WV 25305-0130

Dear Mr. Welch and Members of the Selection Committee;

McKinley Architecture and Engineering is pleased to provide the Acquisition and Contract Administration Section of the Purchasing Division, on behalf of the WV Educational Broadcasting Authority, with our Expression of Interest to provide architectural/engineering services including inspection, evaluation or testing, design, specifications, construction oversight, and construction management of multiple electrical projects involving UPS, uninterruptible power supply, and generator replacements. As you review this submission, we emphasize the following strengths of McKinley Architecture and Engineering with respect to your project:

***McKinley Architecture and Engineering (McKinley & Associates)*** has been providing design services since 1981, and are celebrating over 40 years in business. We are excited to announce that for the **2nd consecutive year**, McKinley appears on the **Inc. 5000 list the most prestigious ranking of the nation's fastest-growing private companies!** With offices in **Wheeling and Charleston, WV** and Pittsburgh, PA, we support a professional staff of nearly **40 employees**, which includes **Engineers, Architects, an AIA Safety Assessment Program (SAP) Evaluator, Construction Contract Administrators, LEED Accredited Professionals**, and more.

**McKinley also has a wide array of relevant UPS and generator upgrade projects**, which can be found under the "Relevant Projects" tab. Some of these include several schools around the State, multiple West Virginia University projects, numerous West Virginia State Police projects across the State, Ohio County Correctional Facility, and Wheeling Island Hotel•Casino•Racetrack, among others. Our generators range from a small 20 kW propane generator for a fire department building, to a 500 kW diesel generator for a 1.2 million SF distribution warehouse.

**We are ready to begin immediately and will meet all your Goals and Objectives.** Thank you for reviewing our submission and considering McKinley Architecture and Engineering for your projects; we are very excited about the possibility of working you!

Personal Regards,



Ernest Dellatorre  
Director of Business Development  
McKinley Architecture and Engineering  
edellatorre@mckinleydelivers.com  
(304) 340-4267 x115

# Corporate Information

## Firm History

Founded in 1981, McKinley Architecture and Engineering is a multi-discipline **full service A/E firm**, offering comprehensive **professional services in Architecture, Engineering, Energy Efficient and Sustainable (LEED) Design, SAP Evaluation, Commissioning, Historic Preservation, Construction Contract Administration, and more.** We have a broad range of skill and experience for projects involving **commercial, office, governmental, sustainable and energy efficiency, entertainment, hospitality, and schools** to name a few. Over the years, our firm won multiple **State and National awards and recognitions** for our designs. **McKinley has made both the 2020 & 2021 Inc. 5000 lists, the most prestigious ranking of the nation's fastest-growing private companies!**



## Firm Information

**Ernest Dellatorre**  
Director of Business Development

**Tim Mizer, PE, RA, QCxP**  
Director of Engineering Services

**Patrick J. Rymer, AIA, ALEP**  
Director of Architectural Services

## Date of Incorporation

**July 1, 1981**  
Wheeling, West Virginia

## Professionals on Staff

Architects  
Engineers  
Arch./Eng. Designers  
LEED AP BD+C's  
Historic Preservationist  
Construction Admins.  
HVAC Commissioning Provider  
Interior Designer  
SAP Evaluator  
ALEP (CEFP)  
REFP

## Locations

32 Twentieth Street  
Suite 100  
Wheeling, WV 26003  
P: 304-233-0140  
F: 304-233-4613

129 Summers Street  
Suite 201  
Charleston, WV 25301  
P: 304-340-4267

5000 Stonewood Drive  
Suite 220  
Wexford, PA 15090  
P: 724-719-6975

## Credentials

**McKinley Architecture and Engineering** is a member of the following **organizations:**

A4LE (formerly CEFPI), ACI International, AIA, ASCE, ASHRAE, ASPE, AWI, BOCA, NCARB, NFPA, WVEDC, and more

## Follow Us

[www.McKinleyDelivers.com](http://www.McKinleyDelivers.com)

[www.Facebook.com/McKinleyDelivers](https://www.Facebook.com/McKinleyDelivers)

[www.Linkedin.com/company/McKinleyDelivers](https://www.Linkedin.com/company/McKinleyDelivers)

Instagram: @McKinleyDelivers

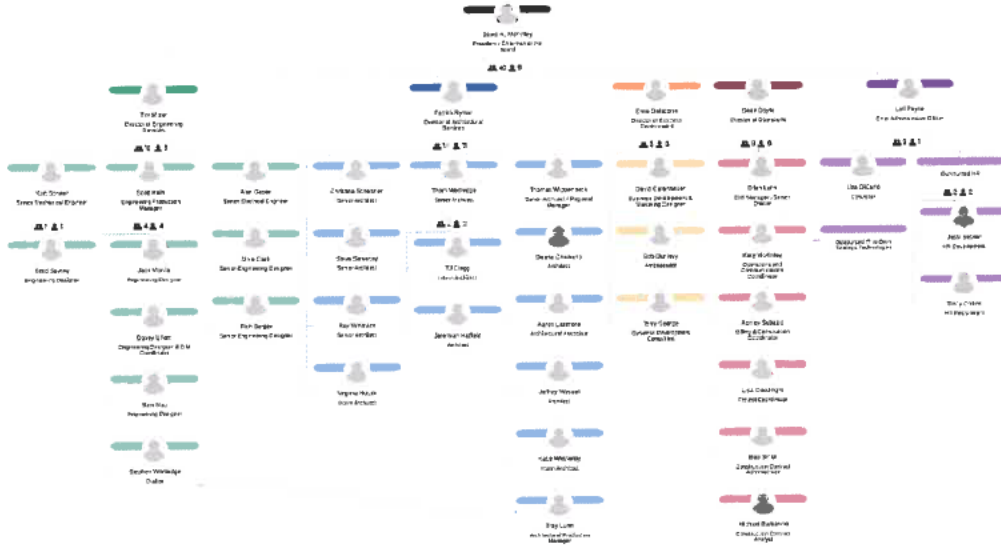


**McKINLEY**  
ARCHITECTURE + ENGINEERING



# Project Approach

First and foremost we can state that **our large professional staff** (full organizational chart seen below) will devote whatever time is necessary to provide you with successful projects. If our project team is chosen for this project; they are available to **start immediately** upon our being selected, and will provide the necessary hours to complete your projects on time. By virtue of our proximity, having **both Northern and Southern WV offices**, we can provide project services in an **economical, effective** and **efficient** manner, while also responding **expeditiously** to your projects' needs.



**To start your projects, kickoff meetings will be held with the West Virginia Educational Broadcasting Authority representatives, along with all our design professionals.** From this meeting the Owners Project Requirements will be defined and documented, to be used as a guideline through the design phase. We will verify the existing conditions of the facilities through the review of the existing conditions, existing drawings if available, on-site meetings, and with discussions with the Owner. We will then use all this information to design complete plans to install systems to fully utilize the generators and/or replace generators.

Over the years, McKinley Architecture and Engineering has designed **several of projects which involve generator replacements, upgrades, and/or repairs**. Our portfolio **also** includes many projects that involve **emergency power systems, uninterruptible power supply (UPS), associated electrical, load requirements**, and much more. Our electrical engineering team has experience with a wide array of generators and emergency power systems projects, from a small 20 kW propane generator for a fire department building, to a 500 kW diesel generator for a 1.2 million SF distribution warehouse, and everything in-between. The West Virginia State Police is one of our governmental clients that we have worked with for over 20 years on numerous projects throughout the state. We have designed **multiple generators**, especially the detachments with E-911 Centers, as well as the WVSP Headquarters.

With our **vast generator and emergency power systems experience, understanding of codes,** and our **great working relationship with various state agencies;** we are confident that we have the talent and technology needed to make this successful. Also, as your **Engineers/Architects and single point of responsibility,** you can be reassured of **smooth project delivery and sensitivity to all relevant guidelines in our state. We will meet your goals and objectives.**



# Quality Control

**Quality control** at McKinley Architecture and Engineering is a constant process which **begins with the initial project activity and continues through document submissions, bidding, construction and owner occupancy.** The longevity and size of the firm and our history of success completing complex and innovative projects is founded upon our commitment to this process.

**During the design phases**, all personnel become fully versed in the client's program, project requirements and design standards. The design team is responsible for identifying for the West Virginia Educational Broadcasting Authority any potential conflicts between program criteria and design standards and resolving those conflicts to your satisfaction.

As the schematic/concept plans are developed, Tim E. Mizer, PE, RA, QCxP, your Project Manager, will present plans for review and comments to a plan group depending on the nature of the work; e.g. engineers commenting on the engineering and architects critiquing the architecture (*a peer review with Architects, along with a CA, is seen below*). Once a consensus is reached, the plans advance in the process.

**Prior to the completion of each phase**, a set of project documents is issued to each discipline for coordination, cross-checking and review. The following items are checked at that time:

- Drawings and specifications for program compliance.
- Drawings and specifications for internal coordination.
- Cost effectiveness of the design.
- Drawing accuracy.
- Compliance with appropriate codes and client standards.

After coordination check corrections are completed, Tim will review the documents and compare the completed documents with check prints to verify that corrections have been made in accordance with the project design criteria. A review set will be sent to the West Virginia Educational Broadcasting Authority, the Fire Marshal and other governing authorities for preliminary review.

During the subsequent phases of design, all items are checked by persons other than those performing the daily design work in order to provide fresh insight. Prior to the final release of the documents, revisions are once again checked by the Project Manager and appropriately referenced on the drawings. Copies of the final documents will be distributed to you for final review and approval. A set is sent to the Fire Marshal and other governing authorities for final review comments. Comments are incorporated into the documents prior to issuance for advertising, bidding and construction.

Bid documents are issued after a final check to verify that all bid packages have current revisions included and are appropriately identified. Bid sets are numbered and registered to bidders so that each bidder may be kept informed of clarifications and addenda. We will provide assistance in analyzing and evaluating bids for construction, and assist with awarding the construction contracts.

**During the construction**, the processing of shop drawings and submittals will be controlled and monitored by Mr. Mizer, and includes the receipt, logging, review and return of submittals. Urgent items can often be expedited to satisfy the construction schedule. In addition, Michael Barbarino, your Construction Contract Administrator, will monitor the contractor's progress to ensure that they are following the Construction Documents, and verify that closeout documents are submitted in a timely manner upon Substantial Completion.



# Construction Contract Administration & On-Site Representation

**Construction Contract Administrator Involved from the Beginning of the Design Phase**

**Observe the Construction Progress**

**Liaison between the Owner, Contractor, and Architects/Engineers**

**Responsible for All Construction Progress Meetings and Minutes**

**Monitor the Construction Schedule**

**Ensure that the Contractor is Following the Construction Documents**

**Verify Pay Application and Change Orders**

**Typically On-Site Once Every Two Weeks  
(Provide Additional On-Site Representation if Requested)**



Our **Construction Contract Administrators (CA)** have an extra responsibility than what most firms' Construction Administrators have; our CAs are a part of the design process from **Day 1** (they are not thrown into the project only when construction starts; they are here from the beginning), so they know the ins-and-outs of the project. Our CAs have an important role as being the **liaison between the Owner, Contractor, and Architect**. The primary objective of the Construction Contract Administration services is to ensure completion of work the way the client wants it - **as scheduled and as budgeted**. Our CAs evaluate the quality of the work to verify that it meets the level required by clients; in addition, they monitor the contractor's progress to ensure that they are following the Construction Documents. They observe the construction progress, are responsible for all construction meetings and minutes, and they verify pay application and change orders. The Construction Contract Administrator is typically on-site once every two weeks, but we can provide additional on-site representation if requested.

# Tim E. Mizer, PE, RA, QCxP

Architectural Engineer / Architect / Commissioning Provider

## Director of Engineering Services

### EDUCATION:

Kansas State University  
B.S. Architectural Engineering - 1983

University of Cincinnati  
Architecture

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

**Registered Engineering in:**  
West Virginia  
Ohio

**Registered Architect in:**  
Ohio

**Qualified Commissioning Process  
Provider**

### PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering  
Director of Engineering Services  
Architect / Engineer / Commissioning  
Wheeling, WV (1995 to present)

M.C.C. Engineering  
Director of Design  
Columbus, Ohio (1988-1995)

Schooley Caldwell and Associates  
Electrical & Mechanical Design  
Columbus, Ohio (1986-1988)

Mizer Design  
Free Lance Architectural Engineering Design  
Columbus, Ohio (1985-1986)

Envirotek, Inc.  
Drafting and Electrical & Mechanical Design  
Raleigh, NC (1984-1985)

### SUMMARY OF EXPERIENCE:

A very talented and unique professional who is registered **both** in **engineering** and **architecture** which has provided him with a total understanding of the engineering components and the process necessary for integrating architectural design and building systems. Furthermore, as a **Qualified Commissioning Process Provider**, he has been formally trained to fully understand how integrated HVAC systems function and how systems interface with others to run your building efficiently. He understands that the HVAC system's performance can reduce operating and maintenance costs, improve the comfort of a building's occupants, and extend the life of equipment. He joined McKinley Architecture and Engineering in 1995, and has over 35 years of experience. As the **Director of Engineering Services**, Mr. Mizer's presence is a key to the design procedures required to coordinate the functionality of the engineering systems into the aesthetics of a building space.

### NOTABLE PROFESSIONAL EXPERIENCES:

Building 55: WV State Office Complex in Logan (LEED Certified)

Building 34: WV State Office Complex in Weirton

City of Moundsville - New Municipal Public Safety Bldg / multi-tenant

West Virginia State Police - dozens of renovations, additions, and new detachments

West Virginia School Building Authority - Dozens of projects State-Wide, including new construction and renovations

West Virginia Department of Transportation, Division of Highways -

Buckhannon & Moundsville Headquarters HVAC

West Virginia Department of Health & Human Resources' Ohio County Office Building fit-out / renovations

USPS - worked on a multitude of Post Offices in WV & PA

West Virginia Independence Hall

Grave Creek Mound Museum renovations

Raleigh County Emergency Services Authority

City of Weirton - Park Drive / Three Springs Drive Development

West Virginia University - multiple renovations, additions, and new buildings

Orrick's Global Operations Center

Wagner Building

Braxton County Senior Center

Serbian-American Cultural Center

Belmont County Divisional Courts & Offices renovations

The Towers Building renovations



# Alan M. Gaber, PE

## Senior Electrical Engineer

### EDUCATION:

Ohio Northern University  
B.S. Electrical Engineering  
with a Computer Science Option - 1986

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

**Registered Engineer in:**  
Ohio  
Pennsylvania

### PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering  
Electrical Engineer  
Wexford, PA (2022 to present)

Stantec Architecture  
Electrical Engineer  
Butler, PA (2018-2022)

Penn-Ohio Electrical Contractors  
Electrical Engineer  
Masury, OH (2013-2018)

HHSDR Architects & Engineers  
Electrical Engineer  
Sharon, PA (1995-2013)

Sturgeon Engineering, Inc.  
Engineer-in-Training  
Grove City, PA (1987-1995)

United Engineers & Constructors  
Engineer-in-Training  
Philadelphia, PA (1986-1987)

### SUMMARY OF EXPERIENCE:

Mr. Gaber is an **Electrical Engineer**, who for over 36 years, has a broad range of electrical and professional experiences designing building systems. He has experience working collaboratively with others to research and identify the clients' needs, and successfully meeting those needs. Alan takes pride in providing designs that are concise, efficient and within the client's budget. Each phase of his career has exposed him to different aspects of electrical design for the building construction industry, from utility company commercial service design, to commercial, industrial & institutional building design, and electrical construction management. Mr. Gaber's experiences also include K-12 & post secondary education, municipal/civic, personal care/senior living, and other sectors of business. His electrical design qualifications include lighting, power distribution, **emergency/standby power, onsite generators**, telephone/sound/communications, data communications, master clock/program, audio/video, fire alarms, security alarms, video surveillance, electric access, and more.

### NOTABLE PROFESSIONAL EXPERIENCES:

City of Moundsville - new Municipal/Public Safety Building including generator

Brooke County Judicial Courthouse renovations including generator

NOAA renovations

YWCA renovations

Ft. Henry renovations-restoration

Fayette County Schools - new Meadow Bridge School PK-12  
Fayette County Schools - Midland Trail High gym renovations  
Fayette County Schools - Oak Hill High gym renovations  
Fayette County Schools - Valley PreK-8 renovations  
Fayette County Schools - Institute of Technology renovations

Hampshire County Schools - new Central Elementary School

Hancock County Schools - Weir High gym addition

Ohio County Schools - Elm Grove Elementary renovations  
Ohio County Schools - Warwood School renovations  
Ohio County Schools - Wheeling Middle addition & renovations  
Ohio County Schools - Woodsdale E.S. addition & renovations

Summers County Schools - Hinton Elementary cafeteria  
Summers County Schools - Talcott Gym renovation

# Michael J. Clark Sr.

## Senior Electrical Engineering Designer

### EDUCATION:

Eastern Gateway Community College  
A-ATS Electro-Mechanical Engineering - 2012

Jefferson Community College  
A-ATS Electrical Trade Technology - 2003

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

Certified in SMAW Weld Process & Basic  
Welding and Applications 2002

West Virginia Journeyman License

Ohio Fire Alarm License

OSHA 30 Certified

### PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering  
Electrical Engineering Designer  
Wheeling, WV (2012 to 2018, 2020 to present)

Arcelor Mittal  
Maintenance Technician Electrician  
Weirton, WV (2012)

M.J. Electric  
Journeyman Electrician  
Iron Mountain, MI (2010-2012)

Erb Electric Company  
Journeyman Electrician  
Bridgeport, OH (2009-2010)

Bechtel Group Inc.  
Journeyman Electrician  
Glendale, AZ (2009)

Cattrell Companies, Inc  
Journeyman Electrician  
Toronto, OH (1998-2009)

### SUMMARY OF EXPERIENCE:

Mr. Clark is an Electrical Engineering Designer and a Certified Journeyman Electrician with over 20 years of industrial, commercial and residential experience. He is knowledgeable in all areas of the national electrical code and excels in analyzing and solving problems with various electrical controls and systems. Mr. Clark brings a cross-trained background to our projects, being skilled in both the design and the construction ends which gives him a unique ability to understand all aspects of a project. He is also adept in performing electrical and mechanical installations, maintenance and repairs in plant facilities. Furthermore, he is seasoned as an Electrical Foreman and Superintendent on both commercial and industrial job sites. His key skills include Electrical Systems & Controls, Installations & Maintenance, Electromechanical Repairs, Blueprints & Schematics, Generators & Transformers, Switches & Circuit Breakers, Electrical Code, Safety & QA, Wiring Diagrams, Troubleshooting, Testing Instruments, Motors & Conduit, CAD-2D/3D, Welding, & Residential construction.

### NOTABLE PROFESSIONAL EXPERIENCES:

Brooke County Judicial Center including generator  
Marshall County Schools - Cameron Elementary School generator  
Marshall County Schools - Cameron High School generator  
Moundsville Municipal / Public Safety Building including 2 generators  
Tyler County Judicial Building including generator  
Washington & Jefferson College - Commons Building generator  
Washington & Jefferson College - Thompson Hall generator  
Wetzel County Schools - Long Drain School generator  
Building 55: WV State Office Complex in Logan (LEED Certified)  
Wheeling District's new office space fit-out  
Bennett Square - multiple renovations  
Ft. Henry Building - multiple renovations  
Belmont County Divisional Courts & Offices renovations  
Jefferson County Courthouse upgrades and Annex demo  
Brooke County Schools - New Brooke Middle School  
Hancock County Schools - several projects  
Harrison County Schools - New Johnson Elementary  
Holiday Inn Express Hotels - on-call contract / multiple projects  
Franciscan University OP#1 Multi-tenant Retail Building  
Franciscan University OP#2 Office / Retail Building  
Wheeling Island Hotel•Casino•Racetrack - multiple projects  
Carenbauer Wholesale Corporation warehouse addition/renovations

# Kurt A. Scheer, PE, LEED AP

Senior Mechanical Engineer / LEED Accredited Professional

## EDUCATION:

Penn State University  
B.S. Architectural Engineering - 2001

## PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

**Registered Engineering in:**  
Pennsylvania  
West Virginia

**Member:**  
US Green Building Council

**ASHRAE**

**ASPE**

## PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering  
Senior Mechanical Engineer  
Wexford, PA (2020 to present)

Allen & Shariff Corporation  
Senior Mechanical Engineer  
Pittsburgh, PA (2018-2020)

BDA Engineering, Inc.  
Senior Mechanical Engineer  
Homestead, PA (2006-2018)

Allen & Shariff Corporation  
Mechanical Engineer  
Pittsburgh, PA (2004-2006)

LLI Technologies, Inc.  
Mechanical Engineer  
Pittsburgh, PA (2001-2004)

## SUMMARY OF EXPERIENCE:

Mr. Scheer is a **Mechanical Engineer** with 20 years of experience in the Architectural Engineering industry with a focus on mechanical systems design. In addition, Kurt has overseen electrical, plumbing, and fire protection engineering for all his projects for 15 years. Market sectors such as hospitality, higher education, and commercial office are areas where he has significant experience. Additionally, Mr. Scheer has experience with **LEED Certified** projects and energy modeling.

## NOTABLE PROFESSIONAL EXPERIENCES:

City of Moundsville - Municipal/Public Safety Building

Brooke County Judicial Courthouse renovations

Tyler County Commission - Judicial Annex Building

Nicholas County Division of Homeland Security & Emergency  
Management - E911 and Emergency Operations Center

Light of Life Rescue Mission

Fayette County Schools - NEW Meadow Bridge School PK-12 School  
& School Based Health Clinic

Harrison County Schools - Gore Elementary School build-out  
renovation / addition

Harrison County Schools - NEW Lost Creek Elementary School

Ohio County Schools - Warwood School renovations

Ohio County Schools - Wheeling Park High School Athletic Complex

Ohio County Schools - Woodsdale Elementary School cafeteria  
addition & renovations

Fort Henry Building - Fourth Floor office build-out

City of Weirton - Park Drive / Three Springs Drive Development

YWCA Renovations

Summit Building office renovations

Pittsburgh City County Building - Booster Pump

Pittsburgh Laborers Union 258

Carnegie Robotics - Third Floor renovation

Clopay mechanical upgrades



# Scott D. Kain

## Engineering Production Manager / Senior Plumbing Designer

### EDUCATION:

Technology Education College /  
Ohio State University  
Associates in Mechanical Design - 1996

### PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering  
Engineering Production Manager  
Senior Engineering Designer  
Wheeling, WV (2001 to present)

HAWA Inc.  
Mechanical Designer  
Columbus, OH (1998-2001)

Autotool Inc.  
Engineer  
Columbus, OH (1995-1998)

### SUMMARY OF EXPERIENCE:

Mr. Kain, our **Engineering Production Manager**, is an accomplished engineering designer who has performed in all the engineering trades we provide; specializing in plumbing, electrical, and fire protection. He has been utilized for various McKinley Architecture and Engineering's projects that needed additional mechanical, structural, and architectural manpower. In addition, Mr. Kain has also provided 3D renderings, to aid in business development, during his long tenure at McKinley Architecture and Engineering.

### NOTABLE PROFESSIONAL EXPERIENCES:

Building 55: WV State Office Complex in Logan (LEED Certified)

Building 34: WV State Office Complex in Weirton

Cabela's Eastern Distribution Center

West Virginia State Police - multiple projects state-wide

West Virginia Army National Guard - multiple projects

WVDHHR's new Ohio County office fit-out / renovations

WVDRS Wheeling District's new office space fit-out / renovations

United States Postal Service - statewide post offices

Orrick's Global Operations Center

Bennett Square - multiple phases of renovations

Wagner Building - multiple phases of renovations

Ft. Henry Building - multiple phases of renovations

Panhandle Cleaning & Restoration warehouse and office building

Wheeling Island Hotel•Casino•Racetrack multiple projects

Wheeling Island Fire Station

Jefferson County Jobs & Family Services renovations

Harrison County Jobs & Family Services renovations

West Virginia University - State Fire Training Academy

Braxton County Senior Center

WV Northern Community College - B. & O. Building

Marshall County Schools - Hilltop Elementary School (LEED Certified)

Marshall County Schools - Cameron High School (LEED Registered)

Boone County Schools - multiple projects

Brooke County Schools - multiple projects

Hancock County Schools - multiple projects

Ohio County Schools - multiple projects

Wood County Schools - multiple projects

# Richard G. Berger

## Senior Mechanical Engineering Designer

### EDUCATION:

CCAC of Allegheny County  
Concentration: HVAC

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

Pennsylvania Sheet Metal Journeyman License  
Volunteer Fireman (retired)

### PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering  
Senior Engineering Designer  
Wexford, PA (2020 to present)

CJL Engineering  
Lead HVAC Senior Mechanical Designer  
Moon Township, PA (2019-2020)

Lovorn Engineering  
Lead HVAC Senior Mechanical Designer  
Blawnox, PA (2013-2019)

Stantec Corporation (formerly Burt Hill)  
Lead HVAC Mechanical Designer  
Butler, PA (1997-2013)

Peter F. Loftus division of Eichleay Engineers  
Lead HVAC Mechanical Designer  
Pittsburgh, PA (1989-1997)

SSM Industries, Inc.  
Sheet Metal Professional Licensed Journeyman  
Pittsburgh, PA (1979-1989)

### SUMMARY OF EXPERIENCE:

Mr. Berger is a mechanical engineering professional with over 35 years of experience in HVAC design. His skills include Revit, AutoCadd, Microstation CADD, HVAC duct work and piping design, HVAC calculations, project management, and HVAC and piping field experience. Rich is a Professional Sheet Metal Journeyman license Sheet Metal Workers Local 12. Have designed for healthcare, K-12 schools, universities, high rise commercial, lab renovations and hotels.

### NOTABLE PROFESSIONAL EXPERIENCES:

#### McKinley Architecture and Engineering

City of Moundsville - Municipal/Public Safety Building

Tyler County Commission - Judicial Annex Building

Brooke County Judicial Center Courthouse

Main Street Bank - Toronto

Summit Building renovations

Williamson Hospital mechanical renovations

YWCA Renovations

Fayette County Schools - NEW Meadow Bridge School PK-12  
School & School Based Health Clinic

Fayette County Schools - Oak Hill High gym renovations

Fayette County Schools - Valley PreK-8 renovations

Fayette County Schools - Institute of Technology renovations

Hampshire County Schools - Capon Bridge E.S. gym addition

Hancock County Schools - Weir High mechanical upgrades

Harrison County Schools - Gore Elementary School build-out

Ohio County Schools - Wheeling Middle renovations

Steubenville City School District - Steubenville High School  
commons renovations

Wetzel County Schools - Paden City E.S. Multipurpose addition

Wetzel County Schools - Short Line School HVAC

Wirt County Schools - County-Wide ESSERF Projects

#### CJL Engineering\*

Mr. Berger was the Lead HVAC Senior Mechanical Designer for Healthcare/Commercial/Restaurants. Projects have included Hospital related area design, PNC Bank Scranton multi-story office, Parkway West Tech Center, Erie Water Works, and more.

*\* previous work experience with a firm other than McKinley Architecture and Engineering*

# David A. Ullom

## BIM Coordinator / Mechanical Engineering Designer

### EDUCATION:

Fairmont State University  
B.S. Mechanical Engineering Technology - 2011

Pierpont Community and Technical College  
Associates Degree in Applied Sciences:  
Drafting and Design - 2011

### PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering  
BIM Coordinator  
Engineering Designer  
Wheeling, WV (2019 to present)

Kennametal Inc.  
Sales Engineer (2016-2019)  
Applications Engineer (2012-2016)  
Latrobe, PA

Marion County Assessors Office  
Map Developer  
Fairmont, WV (2010-2012)

### SUMMARY OF EXPERIENCE:

Mr. Ullom is a results-driven individual who prioritizes safety, cost-effective solutions, and exceeding customer expectations. He is proficient in Autocad, Inventor, and Revit software. David also has experience as a Sales Engineer, Applications Engineer, and Map Developer, which provides an unique understanding for problem solving.

### NOTABLE PROFESSIONAL EXPERIENCES:

Moundsville Municipal/Public Safety Building

Brooke County Judicial Courthouse renovations

Tyler County Commission - Judicial Building

Nicholas County 911 Center

City of Weirton - Park Drive Development

Ft. Henry Building renovation

General Services Administration - Social Security  
Administration's Wheeling, WV Office

Belmont County Divisional Courts renovations

Belmont County Offices renovations

Jefferson County Jail renovations

Jefferson County Justice Center renovations

Trinity Health System - Crisis Rehabilitation Unit

Williamson Hospital mechanical renovations

WVU - Reynolds School of Nursing

Main Street Bank - Toronto

WVDOH Moundsville HQ HVAC

Fayette County Schools - New Meadow Bridge K-12 project

Harrison County Schools - Lost Creek Elementary addition and  
renovations

Harrison County Schools - Gore Elementary addition and  
renovations

Ohio County Schools - Several Projects County-Wide

Tyler County Schools - New Bus Maintenance Facility

Tyler County Schools - Tyler Consolidated Stadium

Mid-Ohio Valley Technical Institute (MOVTI) renovations



# Thomas R. Worlledge, AIA, LEED AP BD+C, REFP

## Architect / Specialized LEED Accredited Professional

### Charleston Office Manager



#### EDUCATION:

Virginia Polytechnic Institute & State University  
Master of Architecture - 1992

Fairmont State College, School of Technology  
B.S. Architectural Eng. Tech. - 1983

#### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

##### Registered Architect in:

West Virginia  
Ohio  
Pennsylvania  
Tennessee  
Virginia

##### National Board Certification:

NCARB

##### President:

West Virginia Society of Architects

##### Member:

The American Institute of Architects  
US Green Building Council  
Sustainable Building Industries Council  
Recognized Educational Facility Professional  
(REFP)

##### Former voting member:

ASHRAE 90.1 International Energy Code  
Committee

#### PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering  
Manager, Charleston Office  
Charleston, WV (2005 to present)

Proactive Architecture Inc.  
President  
Charleston, WV (1999-2005)

Silling Associates Inc.  
Vice President  
Charleston, WV (1992-1999)

TAG Architects  
Charleston, WV (1985-1990)

Alpha Associates Inc.  
Morgantown, WV (1983-1985)

#### SUMMARY OF EXPERIENCE:

Mr. Worlledge is a skilled **Architect** with over 30 years of experience, who has been the former President of the WV chapter of AIA, has received State and National design awards, and placed in National and Global design competitions. Unlike many architects who are new to green building and alternate energy, Thom started his career designing and building alternate energy systems, and was the first LEED Accredited Professional in West Virginia! He believe energy efficient design is simply good design practice. As a **LEED Accredited Professional specializing in Building Design & Construction (LEED AP BD+C)** and a **recognized sustainable design expert**, he has **2 LEED Certified** projects, **multiple LEED Registered** projects, several other energy-efficient projects, has articles published in State and National trade publications, was a featured speaker at multiple State and National conferences, served on the committee that set the ASHRAE 90.1 Standards for the International Energy Code, professionally teaches and trains other professionals in the art of High Performance Design, is a Founder & Chairman of the Board for the US Green Building Council's West Virginia Chapter, and much more.

#### NOTABLE PROFESSIONAL ACHIEVEMENTS:

Building 55: WV State Office Complex in Logan (**LEED Certified**) includes generator

West Virginia State Police - new Logan Detachment / Back-Up Data Center for the WVSP Headquarters (includes generator)

West Virginia State Police Academy - Renovations to Buildings A, B, and C; New Buildings D and Multi-Purpose Building

West Virginia Department of Health & Human Resources' Ohio County Office Building fit-out / renovations

Nicholas County Division of Homeland Security & Emergency Management - E-911 and Emergency Operations Center studies

Veterans Affairs Medical Centers - multiple VAMCs around WV and PA

United States Postal Service - multiple projects throughout WV

Big Sandy Arena & Convention Center

WVSU's Gus R. Douglass Economic Development Center

Charleston Enterprise Center renovation (WV AIA Design Award)

Fairmont State University - College Apartments Complex

WVU Institute of Technology - Maclin Hall Dormitory in Montgomery

West Virginia University - University Police Building

Williamson SMART Office (LEED Registered / Placemaker Award)

Bellann in Oakhill, WV (LEED Registered)

Marshall County Schools - Hilltop Elementary School (**LEED Certified**) - won multiple WV and National Awards & Recognitions)

Wood County Schools - Parkersburg High renovation (\$23 million) & Williamstown High renovation (\$13.5 million)

# Jeremiah Hatfield, AIA, NCARB

## Architect

### EDUCATION:

Louisiana State University  
Bachelor of Architecture - 1999

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

#### Registered Architect in:

Kentucky  
Michigan  
Virginia  
West Virginia

#### National Board Certification

### PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering  
Architect  
Charleston, WV (2021 to present)

Adkins Design, Inc.  
Architect / Project Manager  
Charleston, WV (2009-2021)

### SUMMARY OF EXPERIENCE:

Mr. Hatfield values clients and enjoys assisting them with their projects at all levels of design and construction and with all building types, including residential, governmental, educational, commercial, offices and hospitality projects. Jeremiah has over 15 years of experience with CAD, Sketchup and Microsoft Office. His skills also include Adobe Illustrator, Drafting, Revit, Interior Design, Adobe Photoshop, SolidWorks, Project Management, and Adobe Creative Suite. Jeremiah has completed InDeed Assessments, which provides skills tests that are not indicative of a license or certification, or continued development in any professional field. In these tests, he ranked Highly Proficient in "Attention to Detail" (identifying differences in materials, following instructions, and detecting details among distracting information) as well as "Following Directions" (following multi-step instructions), which are an asset to an **Architect**.

### NOTABLE PROFESSIONAL EXPERIENCES:

#### McKinley Architecture and Engineering

WV Lottery Building roof

Ft. Henry Building renovations & restoration

Fayette County Schools - Institute of Technology renovations

Fayette County Schools - Meadow Bridge School PK-12

Fayette County Schools - Midland Trail High Gym renovations

Fayette County Schools - Oak Hill High Gym renovations

Fayette County Schools - Valley PreK-8 renovations

Fayette County Schools - Outdoor Classrooms

Fayette County Schools - Windows & Doors replacements

Hancock County Schools - New Manchester Elementary addition

Hancock County Schools - Weirton Middle addition

Summers County Schools - HS/MS addition & renovations

Wayne County Schools - ESSERF Work

Wayne County Schools - Window replacements

Wetzel County Schools - Paden City Elementary Multipurpose Addition

Wood County Schools - Pre-Bond Services

#### Adkins Design, Inc.\*

Mr. Hatfield had been exposed to most aspects of design including Programming and Pre-design, Schematic Design, Design Development, thru the completion of Construction Documents and punch lists during Construction Administration.

*\*previous work experience with a firm other than McKinley Architecture and Engineering*

# Michael A. Barbarino

## Construction Contract Administration / Construction Contract Analyst

### EDUCATION:

Associated Builders and Contractors of Western, PA  
Merit Shop - 1992

Community College of Allegheny County  
Residential Construction - 1984

### PROFESSIONAL AFFILIATIONS AND REGISTRATIONS:

**General Contractor License:**  
West Virginia

### IBEW Certifications for:

Confined Spaces  
Scaffold Users  
Erectors

**APC/PENNDOT Flagger Training**

**OSHA 10 and 30**

**Construction Quality Management for  
Contractors - U.S. Army Corp of Engineers**

**ICRA 8, CPR Certification, AED**

### PROFESSIONAL EMPLOYMENT:

McKinley Architecture and Engineering  
Construction Contract Analyst  
Wexford, PA (2021 to present)

Self-Employed  
Consultant  
Natrona Heights, PA (2019-2021)

Mare Solutions, Inc.  
Project Manager/Estimator  
Pittsburgh, PA (2005-2019)

TJR Enterprises, Inc.  
Project Manager/Estimator  
Pittsburgh, PA (2001-2005)

### SUMMARY OF EXPERIENCE:

Mr. Barbarino serves as a **Construction Contract Analyst** for McKinley Architecture and Engineering, which is an expanded role of **Construction Contract Administration** to also include **Quality Control** and **Estimating** services. With 39 years of continuous employment in the construction industry, his skillset is a great asset to our firm. His background includes serving as project manager/estimator, site superintendent, and a carpenter. Michael has estimated and managed projects for various government entities ranging from less than \$100,000 to in excess of \$10,000,000 for a single project. For your project, Michael will observe the construction progress; is the liaison between the owner, contractor, and architect/engineer; will ensure that the contractor is following the construction documents; and more.

### NOTABLE PROFESSIONAL EXPERIENCES:

#### McKinley Architecture and Engineering\*

City of Moundsville - Municipal/Public Safety Building

PLS Logistics fit-out

Fort Henry Building renovations / restorations

Fayette County Schools - NEW Meadow Bridge School PK-12  
School & School Based Health Clinic

Harrison County Schools - NEW Lost Creek Elementary School

Ohio County Schools - Steenrod Elementary School cafeteria  
addition & renovations

Ohio County Schools - Warwood School renovations

Ohio County Schools - Wheeling Park High School addition &  
renovations

Ohio County Schools - Woodsdale Elementary School cafeteria  
addition & renovations

#### Mare Solutions, Inc.\*

Mr. Barbarino worked as a Project Manager/Estimator, where his responsibilities included submittal processing including review and contractor approval; drafting project schedules; creating project inspection and punch lists, follow up with close out of items; researching specified materials, order and oversee installation; estimating projects up to and in excess of 10 million dollars; inspecting all work during phases of construction for Contract drawing and specification adherence including all aspects of the Safety programs; reviewing pay applications for all subcontractors; and much more.

*\*previous work experience with a firm other than McKinley Architecture and Engineering*



# Building 55 West Virginia State Office Complex



## Logan, West Virginia

### Owner

State of West Virginia

### Size

53,200 SF approx.

### Project Architects-Engineers

McKinley Architecture and Engineering

### Project Architect

Thomas Worlledge,  
AIA, LEED AP BD+C, REFP

### Contractor

Massaro Corporation

### Commissioning Agent

Iams Consulting, LLC

City leaders were searching for a catalyst to stimulate community efforts to revitalize downtown Logan, WV; this **office building** has become that inspiration. The building is designed to reflect the history and culture of the area while incorporating current technology and safety elements, thus empowering the community leaders to create a vibrant connected urban core. This new 5-story building underscores its major role in the development and revitalization of downtown Logan by **uniting office space for 127 employees for 6 State agencies** under one roof, whom were once scattered throughout the city. The agencies include the Department of Health and Human Resources, Division of Rehabilitation Services, the Offices of the Insurance Commissioner, **State Tax Department**, WorkForce West Virginia, and Workforce Investment Board. The 53,200 SF building provides current technology, flexibility for future growth, and security features for existing and future tenants.

At the request of the Owner, the building was designed to be **energy efficient** and meet **sustainable design** goals, confirmed by LEED and energy star requirements. In March 2014, this project became **LEED Certified**.



There is a back-up/emergency generator for life safety systems and data server rooms. It is a 300kW, 480/277V, 3 Phase, 4W diesel generator with outdoor enclosure, concrete pad, and in-base fuel tank. The generator, Automatic Transfer Switches (ATS), controls, and annunciator meet the requirements of NFPA 110, "Standard for Emergency and Standby Power Systems." This generator powers emergency lighting and provides backup power to critical building systems.



**McKINLEY**  
ARCHITECTURE + ENGINEERING

# WVSP Headquarters Data Center

## South Charleston, West Virginia

### Owner

West Virginia State Police

### Construction Cost

\$350,000

### Project Architects-Engineers

McKinley Architecture and Engineering

### Contractor

W. Harley Miller Contractors, Inc.

For over 18 years, McKinley Architecture and Engineering has been honored to have been selected for multiple consecutive West Virginia State Police open-ended contracts for all engineering and architectural services throughout West Virginia. During this period we have been involved in **dozens** of projects with the WVSP. These projects included numerous **renovations**, additions, as well as new construction of multiple facilities throughout the State.

We recently completed upgrades on the State Police's main Data Center, located at their **WVSP Headquarters** in South Charleston, which included **new service with a new generator and a new Uninterruptible Power Supply (UPS)** for their main server room. **Since the facility is the central hub of all police activity within the State, it must remain in operation 24/7; therefore, this emergency electric backup project was a priority project.** This \$350,000 project included supplementing the existing 1600A, 208/120V service with a 480/277V feeder from a new service in the WVSP Headquarter's adjacent garage. The new 480/277V service has a generator which powers a panel in the main building's server room, which in turn feeds a UPS for the server, as well as a subpanel in the records room adjacent to the server room. The new emergency backup generator is a Cummins Model 400 DFEH series electric generating set rated for continuous standby service at 400 kW, 500 kVA Standby, at 0.8 PF, 277/480 volts 3 Phase 4 Wire, 60-Hz.

In addition, construction was recently completed on the new Logan Detachment, which is the Back-Up Data Center for that WVSP Headquarters facility; therefore, it needed much of the same emergency and power distribution systems. *More information is found on the following page.*

Furthermore, additional projects that were designed as E911 Centers for the State Police include their facilities in Berkeley, Doddridge, Mason and Pendleton Counties, as well as the Morgantown Facility in Monongalia County and Romney Detachment in Hampshire County. **Each of these facilities included secured entrances, raised access floors, UPS, and emergency backup generators.** They also included typical spaces such as Offices, Dispatch, Operations, Conference Rooms, and more.

Before



and After





# WVSP New Logan Detachment

## Logan, West Virginia

### Owner

West Virginia State Police

### Size

13,000 SF approx.

### Construction Cost

\$4.5 million

### Project Architects-Engineers

McKinley Architecture and Engineering

### Project Architect

Thomas Worlledge, AIA, LEED AP BD+C, REFP

### Contractor

W. Harley Miller Contractors, Inc.

As mentioned on the previous page, construction was completed on the new \$4.5 million Logan Detachment for the West Virginia State Police, which is the **Back-Up Data Center** for that WVSP Headquarters facility in South Charleston; therefore, it needed much of the same emergency and power distribution systems since the facility must remain in operation 24/7. For this Logan facility, we designed a 350 kW backup generator for the entire building, as well as **Uninterruptible Power Supply (UPS)** room, secured entrances, raised access floors, and more.

This building also includes a Dispatch Center with a dispatch room, radio room, and a computer rooms with raised access floors. Furthermore, the detachment has a **District Commander's office, Detachment Commander's office, Assistant Commanders' offices, Lieutenant Inspector office, Lieutenant offices, squad bay for 25 Troopers w/workstations**, receptionist area, file rooms, dayroom, evidence room, 30 trooper lockers, conference rooms, processing room, witness interview room, two-bay garage, and more. There are multiple **energy-efficient and sustainable design** aspects to the building: The Detachment uses a daylight clearstory to let **natural daylight** into the internal squad and conference rooms. The **HVAC System** included the installation of 2 high efficiency condensing boilers, pumps with variable speed drive control, custom air handling unit with dx (remote condensing unit) and hot water coils, variable air volume boxes with hot water heating coils, computer room units with remote

condensing units, and direct digital controls. This is the first time **Insulated Concrete Forms (ICFs)** have been used for State Police Buildings; ICFs are an almost perfect fit since they are cost effective to construct, energy efficient, and secure.



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ARCHITECTURE + ENGINEERING



# Cabela's Eastern Distribution Center

## Triadelphia, West Virginia

**Owner**  
Cabela's

**Size**  
1.2 million SF (includes phases I & II)

**Construction Cost**  
\$40 million

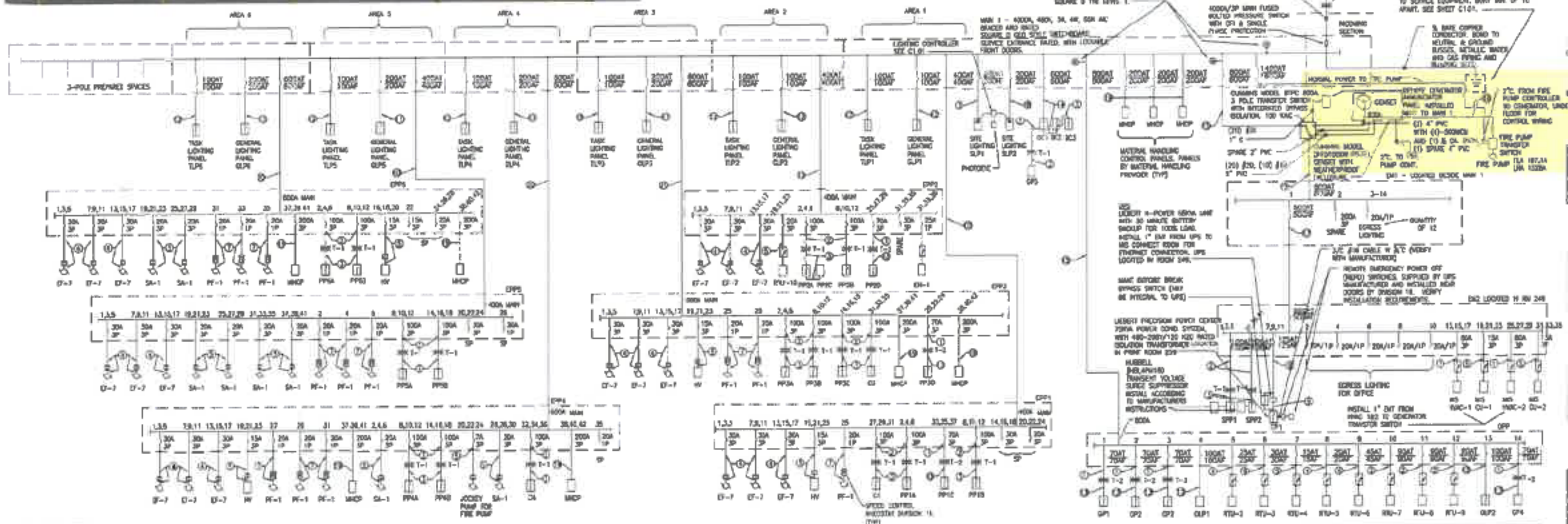
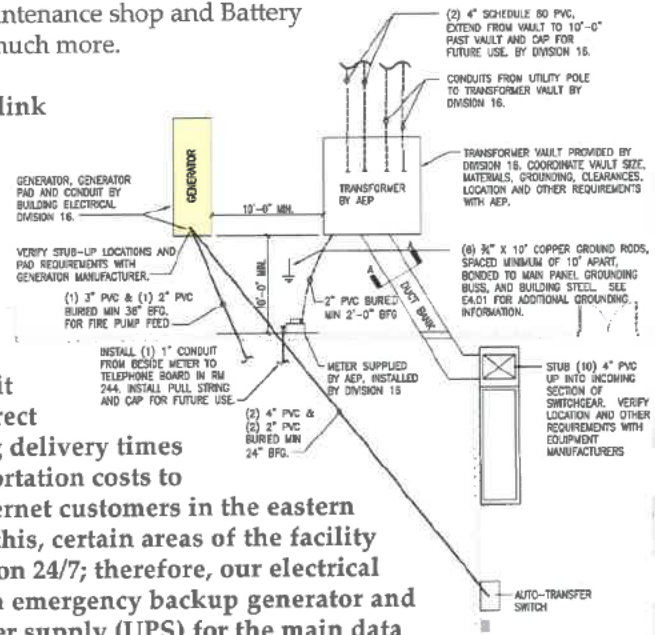
**Project Architects-Engineers**  
McKinley Architecture and Engineering

**Project Architect**  
Gregg Dorfner, AIA / Ray Winovich, RA

**Contractor**  
Norwood Construction

The \$40 million Cabela's Eastern Distribution Center is a commercial warehouse that was built in 2 fast-tracked phases. The building measures 1,200,000 square feet (600,000 SF for each of Phase I and Phase II), making it one of the largest buildings in West Virginia! The Warehouse features 30-FT high-bay ceilings to accommodate large automated storage/retrieval mezzanines and high-tech racking, the building's floor was designed to withstand continuous fork lift traffic, there is 32,000 SF of administrative offices, a 15,000 SF Maintenance shop and Battery Charging Room, and much more.

This facility is a key link in Cabela's retail expansion plans, serving as their primary distribution center for the East Coast. In addition to keeping their retail stores fully stocked, it also benefits their direct business by reducing delivery times and lowering transportation costs to their catalog and Internet customers in the eastern United States. From this, certain areas of the facility need to be in operation 24/7; therefore, our electrical engineer designed an emergency backup generator and uninterruptible power supply (UPS) for the main data server room and for life safety systems. The generator is 500 kW; while the UPS is 65 kVA. This generator powers emergency lights, computer equipment, MIS power, MIS A/C, security and fire pump. Power is a key element in ensuring a fire pump works in an emergency situation; the fire pump is electric with standby power source connection to emergency generator.



# Washington & Jefferson College

## 2 Generator Projects

### Washington, Pennsylvania

#### Owner

Washington & Jefferson College

#### Size

Multiple Buildings

#### Project Architects-Engineers

McKinley Architecture and Engineering

#### Project Architect

Ray Winovich, RA

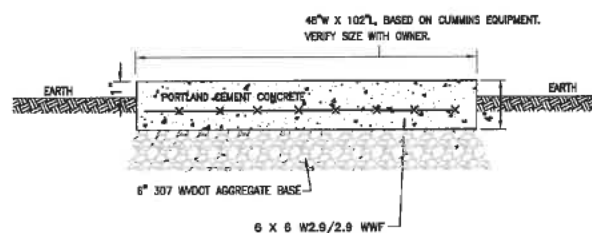
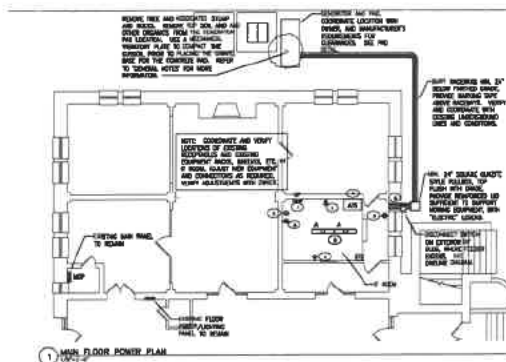
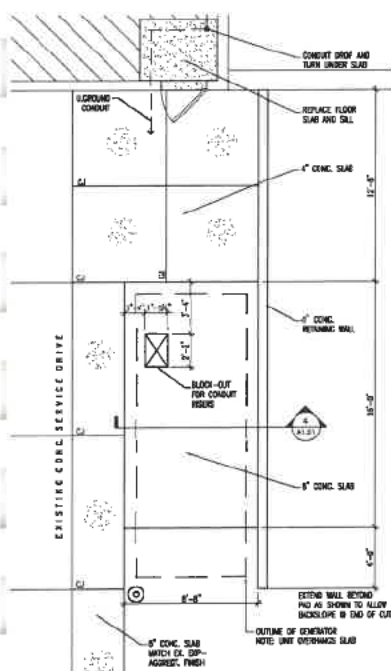
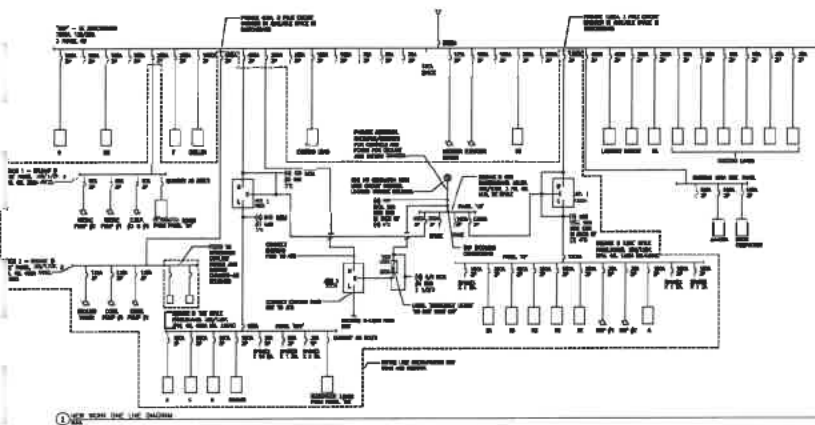
McKinley Architecture and Engineering has worked with Washington & Jefferson College on **multiple projects**, and on several buildings around their campus.

One project is a major emergency generator installation project with an elevated structural steel platform at their Commons building. This natural gas emergency power generators will provide backup power for egress lighting, life safety systems, and other mission critical processes. This project required electrical, mechanical and civil engineering services. The Commons was originally constructed in 1967, is approximately 32,613 SF, and serves as the main kitchen and dining hall for the College. There is a radio station, coffee shop, student organizational space, and meeting space. There is also some critical network equipment located in this facility. It is the intent of the college that this space be used to provide food and shelter in the event an emergency. The 500 kW generator was designed to support egress lighting and life safety systems, as well as serve as backup power necessary to maintain food

stores, prepare and serve food, provide heat for shelter, and, finally, serve as a campus operations center should one become necessary. Project included new transfer switches, panels, feeds, and lighting. In addition, the project included demo and excavation, as well as the addition of a concrete pad and retaining wall.

For another project, we also designed an emergency generator installation project at their administration building Thompson Hall. This natural gas emergency power generator will provide backup power for egress lighting, life safety systems, and other mission critical processes. This project required electrical, mechanical and civil engineering services. The 14,530 SF Thompson Hall was originally constructed in 1913 as the Library, and now houses offices for Business and Finance, Academic Affairs, and the Registrar. It is also the location of critical network switching equipment and a Data Center. The generator was designed to support egress lighting and life safety systems, as well as serve as backup power for the network equipment and ancillary HVAC housed there.

Additional responsibilities for BOTH projects included researching current loads and projected loads and make recommendations for proper generator sizing, preparing an order of magnitude budget at various phases of design, developing a pre-purchase specification for the direct purchase of generators by the College (the purpose of direct purchase was to reduce cost and lead time), making recommendations for generator placement giving consideration to cost benefit and reducing overall impact to the campus environment, and being responsible for utility coordination and the procurement of applicable permits.



2 GENERATOR PAD DETAIL  
N.T.S.



# Long Drain School Generator

## Metz, West Virginia

Owner

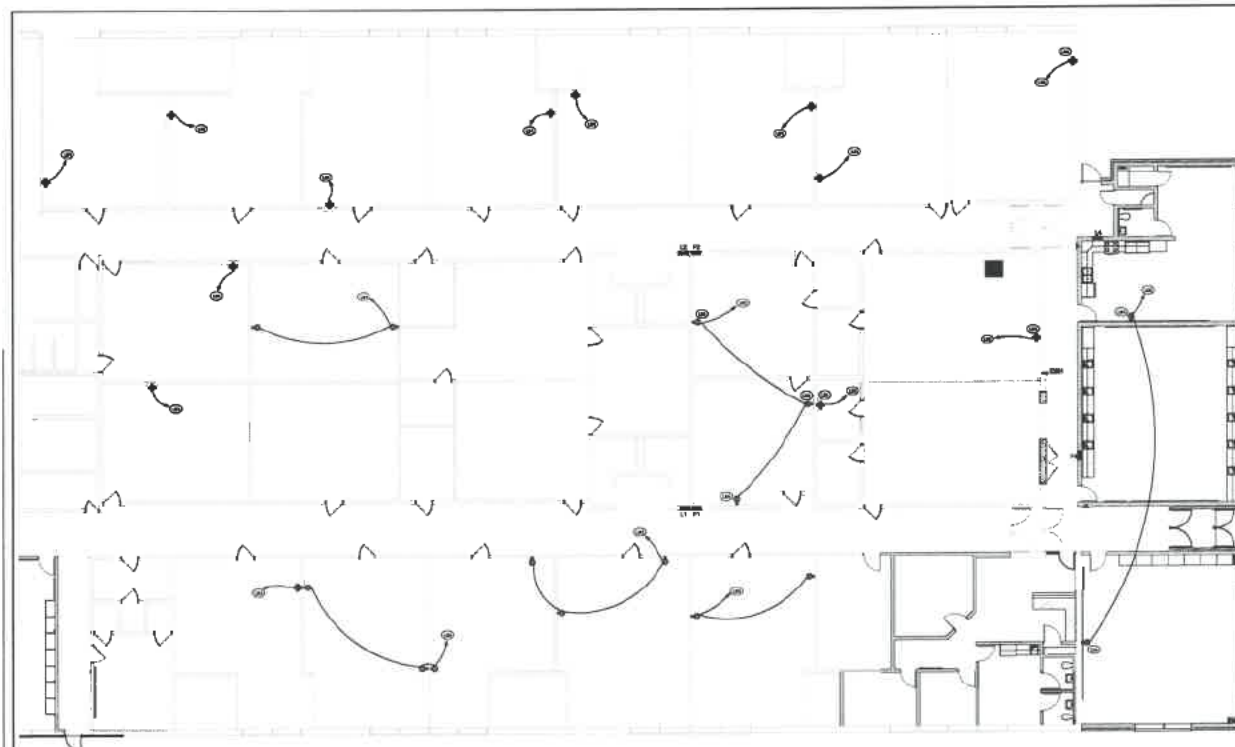
Wetzel County Schools

## Project Architects-Engineers

McKinley Architecture and Engineering

McKinley Architecture and Engineering has completed multiple projects for Wetzel County Schools over the years, including their 10-year Comprehensive Education Facilities Plan (CEFP 2010-2020), **additions, renovations, emergency repairs, generators**, school safety, roofs, masonry, and more. We also have a 5-year open-ended contract for implementing projects which resulted from that CEFP, as well as for other projects.

One project is an overall County Wide School Power Upgrade Project. At Long Drain School, we repurposed an existing decommissioned emergency generator as part of installing a new power feed to existing transfer switch. This included new power panel installations. Project also included re-feeding of critical food refrigeration, sewage pump/treatment, and owner critical circuits throughout the school to be fed from this 60kW generator during power outages. Project included design coordination with the contractor during Project Construction.



1. POWER CIRCUIT FROM PANEL "Y", PROVIDE 25A/1P CIRCUIT BREAKER IN PANEL. POWER CORDING UNRAID BRACKETS AS REQUIRED. SUPPLEMENT FROM PANEL "L" IF "Y" REMAINS NULL.
2. POWER CIRCUIT FROM PANEL "Y", PROVIDE 25A/1P CIRCUIT BREAKER IN AVAILABLE SPACE IN PANEL. RESERVE CORDING UNRAID OF BREAKER AS REQUIRED.
3. POWER CIRCUIT FROM PANEL "Y", PROVIDE 25A/1P CIRCUIT BREAKER IN AVAILABLE SPACE IN PANEL. RESERVE CORDING UNRAID BRACKETS AS REQUIRED.
4. DEWAS FURNISHED TO BE SURFACE MOUNTED

[illegible]

**McKINLEY & ASSOCIATES**  
ARCHITECTS / ENGINEERS / INTERIOR DESIGN

DATE 8/23/2016  
TIME 14:00  
BY 1000  
CITY 1000  
STATE 1000  
LD-E1



# 2 Generators

## Cameron, West Virginia

### Owner

Marshall County Schools

### Project Architects-Engineers

McKinley Architecture and Engineering

McKinley Architecture and Engineering has completed almost \$80 million in projects over the past 10 years for Marshall County Schools.

Currently in design are new emergency generators at 2 schools in Cameron; Cameron Elementary School and Cameron Middle/High School. There is also a chiller replacement at Cameron Middle/High School, with a new air-cooled chiller. These are ESSERF funded projects.

Both schools have experienced numerous electric failures throughout the year. One has a 3000 amp service that they will be adding a new chiller on, and the other is 1600 amp service both 480V.

The current design for Cameron Middle/High School includes a 2000 kW utilizing integrated paralleling of two (2) 1000 kW diesel generators, standby power to supply electrical power at 480 Volts, 60 Hertz, three phase, four wire. The generators shall consist of a liquid cooled diesel engine, a synchronous AC alternator, a paralleling control, electrically operated paralleling breaker, and all necessary accessories for a complete operating system, including but not limited to the items as specified hereinafter. This current design will include exterior distribution panels for the paralleling. The generator will service the entire building.

The current design for Cameron Elementary School includes equipment specifications based on a 800 DQCC generator set with microprocessor-based controls. The generator set shall operate at 1800 rpm and at a voltage of 277/480 Volts AC, Three phase, 4-wire, 60 hertz. The generator will service the entire building.

We worked very closely with the manufacturers, during the design, which results in better lead times.



# Tyler County Judicial Annex

## Middlebourne, West Virginia

### Owner

Tyler County Commission

### Construction Cost

\$10 million estimated

### Project Architects-Engineers

McKinley Architecture and Engineering  
Brandstetter Carroll

### Project Manager

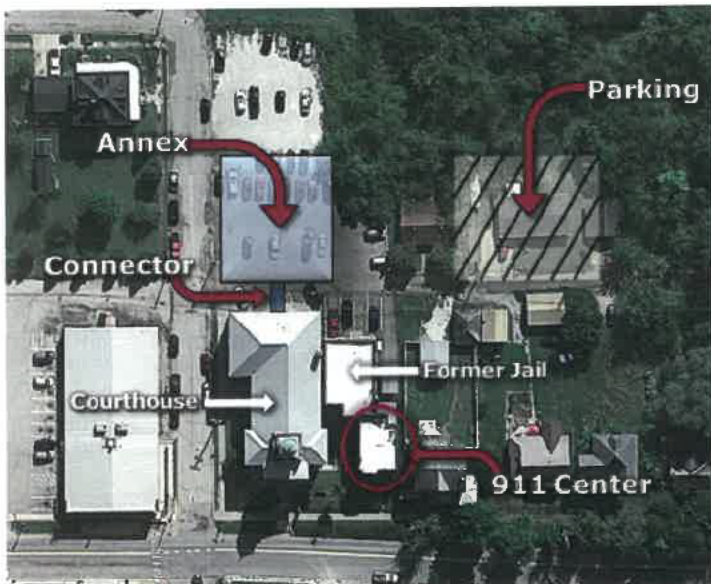
Patrick J. Rymer, AIA, ALEP (CEFP), NCARB

McKinley Architecture and Engineering and Brandstetter Carroll are currently working to provide the Tyler County Commission with architectural and engineering design services for renovations to the Tyler County Courthouse, and connected Sheriff's Office/911 building, and for the design of a new Judicial Annex.

The first phase of this project is the Judicial Annex. The original intention was for the proposed annex to be located directly behind existing courthouse, which is currently an asphalt parking lot; however, the site consists of fill that wasn't placed, and the addition would take all the courthouse parking. Therefore, we are currently working with the Commissioners to study other potential sites.

The departments/spaces to be in the new Judicial Annex facility will be the Magistrate Court/Offices, Prosecuting Attorney Offices, Family Court/Offices, Circuit Court/Office, Circuit Clerk offices, as well as support and storage spaces.

We designed an emergency backup generator for this building. The generator set will operate at 1800 rpm and at a voltage of 480/277, Volts AC, three phase 4 wire, 60 hertz. The complete generator set is rated at 30 kW, 37.5 kVA at 0.8 PF, Standby rating.









# Brooke County Judicial Center

## Wellsburg, West Virginia

### Owner

Brooke County Commission

### Size

32,000 SF

### Construction Cost

\$11 million estimated

### Project Architects-Engineers

McKinley Architecture and Engineering  
Brandstetter Carroll

### Project Manager

Christina Schessler, AIA, LEED AP BD+C

McKinley Architecture and Engineering is leading the design of the new Judicial Center for the Brooke County Commission. It is currently out for bids. The program is to construct a new 3-story, 32,000 SF Judicial Center on the site directly south of the existing courthouse annex. The Judicial Center will include the Circuit Court, Magistrate Court, Family Court, Prosecutors office, Probation office, secure holding cells on each floor and all supporting staff for each.

The building is a steel framed with a brick and stone veneer. There is a large glass entry facing the Ohio River. In addition, it has been situated so that first floor is out of the 100 year flood plain and it is still completely accessible to the public. There will also be additional parking on an adjacent property.

We designed an emergency backup generator for this building. The generator set will operate at 1800 rpm and at a voltage of 480/277, Volts AC, three phase 4 wire, 60 hertz. The complete generator set is rated at 80 kW, 100 kVA at 0.8 PF, Standby rating.



# References

We feel that the best way to demonstrate our strengths and leadership in design - including generators - is by referring to our clients. We also have an ever-growing list of repeat clients, which include having multiple open-end contracts with organizations; we are able to respond to their needs, and we are certain that we are able to respond to all of your needs as well. So that you don't only have to take our word for it; here is a list of references that we encourage you to call (we would be happy to provide more references, if requested):

*(Building 55: West Virginia State Office  
Complex - LEED Certified)*

Mr. Gregory L. Melton  
State of West Virginia  
General Services Division  
1900 Kanawha Boulevard East  
Charleston, WV 25305  
304 / 558-1808

*(2 generator projects)*

Mr. Michael Price  
Marshall County Schools  
P.O. Box 578  
Moundsville, WV 26041  
304 / 843-4400 x349

*(Generators on Multiple WVSP  
Facilities State-Wide)*

Colonel C. R. "Jay" Smithers  
West Virginia State Police  
725 Jefferson Road  
South Charleston, WV 25309  
304 / 746-2115

*(2 W&J generator projects)*

Mr. Ed Chavern, LEED AP  
Washington & Jefferson College  
60 S. Lincoln Street  
Washington, PA 15301  
724 / 223-6534

# References

*(Municipal / Public Safety Bldg)*

Mr. Rick Healy  
City of Moundsville  
800 6th Street  
Moundsville, WV 26041  
304 / 845-6300

*(Cabela's Eastern Distribution Center)*

Mr. Rick Boccetti  
Cabela's  
1 Cabela's Drive  
Sidney, Nebraska 69160  
860 / 290-6251

*(Tyler County Judicial Annex)*

Mr. Eric Vincent  
Tyler County Commission  
121 Main Street  
Middlebourne, WV 26149  
304 / 758-2102

*(J.B. Chambers Performing Arts Center)*

Dr. Kim Miller  
Ohio County Schools  
2203 National Road  
Wheeling, WV 26003  
304 / 243-0300

*(Brooke County Judicial Center)*

Ms. Stacey Wise  
Brooke County Commission  
201 Courthouse Square  
Wellsburg, WV 26070  
304 / 737-3661





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

State of West Virginia  
Centralized Expression of Interest  
Equipment

Proc Folder: 1066124

Doc Description: EBA70938 Architectural/Engineering Services for UPS on site

Reason for Modification:

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2022-07-21	2022-08-11 13:30	CEOI 0439 EBA2300000001	1

**BID RECEIVING LOCATION**

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

**VENDOR**

Vendor Customer Code: \*000000206862

Vendor Name : McKinley Architecture and Engineering

Address : The Maxwell Centre

Street : 32 20th Street - Suite 100

City : Wheeling

State : West Virginia

Country : USA

Zip : 26003

Principal Contact : Ernest Dellatorre

Vendor Contact Phone: (304) 233-0140

Extension: 115

**FOR INFORMATION CONTACT THE BUYER**

Toby L Welch  
(304) 558-8802  
toby.l.welch@wv.gov


Vendor  
Signature X 

FEIN# 55-0696478

DATE August 10, 2022

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

**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) Ernest Dellatorre, Director of Business Development  
(Address) The Maxwell Centre, 32 20th Street - Suite 100, Wheeling, WV 26003  
(Phone Number) / (Fax Number) (304) 233-0140 x115 | (304) 233-4613  
(email address) edellatorre@mckinleydelivers.com

**CERTIFICATION AND SIGNATURE:** By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation/Contract 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/Contract 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.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law; and that pursuant to W. Va. Code 5A-3-63, the entity entering into this contract is prohibited from engaging in a boycott against Israel.

McKinley Architecture and Engineering

(Company)

  
(Authorized Signature) (Representative Name, Title)

Ernest Dellatorre, Director of Business Development

(Printed Name and Title of Authorized Representative) (Date)


(304) 233-0140 x115 | (304) 233-4613

(Phone Number) (Fax Number)

edellatorre@mckinleydelivers.com

(Email Address)

Per your request in the Solicitation, in GENERAL TERMS AND CONDITIONS, Part 8. INSURANCE, here are sample copies of our various Insurances and their Coverages:

<b>ACORD®</b>		<b>CERTIFICATE OF LIABILITY INSURANCE</b>		DATE (MM/DD/YYYY) 08/13/2021	
<p>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.</p> <p>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).</p>					
<b>PRODUCER</b> Pauli Associates, Inc. 1311 Chapline Street PO Box 990 Wheeling WV 26003-0123		<b>CONTACT</b> NAME: Amy Stover PHONE (A/C No. Ext): (304)233-3303 FAX (A/C No.): (304)233-3333 E-MAIL: astover@pauliassociates.com ADDRESS:			
<b>INSURED</b> McKinley & Associates Inc See Additional Named Insured Schedule Below 32-20th Street Ste 100 Wheeling WV 26003-		<b>INSURER(S) AFFORDING COVERAGE</b> INSURER A: CINCINNATI INS CO NAIC # 10677 INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:			
<b>COVERAGES</b> <b>CERTIFICATE NUMBER:</b> <b>REVISION NUMBER:</b>					
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.					
INSTR	TYPE OF INSURANCE	ADDL SUBR (REQ - UNREQ)	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER	X	EPP 0146335	06/15/2021	06/15/2022
					EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMPOP AGG \$ 2,000,000
A	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY		EPP 0146335	06/15/2021	06/15/2022
					COMBINED SINGLE LIMIT \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input checked="" type="checkbox"/> EXCESS LIAB <input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$		EPP 0146335	06/15/2021	06/15/2022
					EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$ 1,000,000
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N	N/A		
					PER STATUTE OTH-ER E L EACH ACCIDENT \$ E L DISEASE - EA EMPLOYEE \$ E L DISEASE - POLICY LIMIT \$
DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required) MCKINLEY ARCHITECTURE AND ENGINEERING, MCKINLEY ARCHITECTURE AND ENGINEERING LLC, MCKINLEY ARCHITECTURAL SERVICES INC, WILLOW GLEN CAPITAL, FORT HENRY LLC. CERTIFICATE ISSUED AS PROOF OF INSURANCE.					
<b>CERTIFICATE HOLDER</b>			<b>CANCELLATION</b>		
Specimen			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 		
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## CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
10/14/2021

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).

<b>PRODUCER</b> The James B. Oswald Company 1100 Superior Avenue, Suite 1500 Cleveland OH 44114		<b>CONTACT</b> NAME: Steven Galica PHONE (A/C, No, Ext): 216-306-0047 E-MAIL: sgalica@oswaldcompanies.com ADDRESS: sgalica@oswaldcompanies.com		<b>FAX</b> (A/C, No): 216-839-2615
<b>INSURED</b> McKinley Architecture and Engineering 32 20th Street #100 Wheeling WV 26003		<b>INSURER(S) AFFORDING COVERAGE</b>		<b>NAIC #</b>
		INSURER A: Continental Insurance Company		35289
		INSURER B:		
		INSURER C:		
		INSURER D:		
INSURER E:				
INSURER F:				

### COVERAGES

CERTIFICATE NUMBER: 1519257570

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.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD, WVD	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 <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <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 <b>DED</b> <input type="checkbox"/> RETENTION \$					EACH OCCURRENCE \$ AGGREGATE \$ \$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input type="checkbox"/> N/A				PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A	Professional Liability Claims Made Retro Date: 9/10/1981	N Y	AEH591863924	10/10/2021	10/10/2022	Each Claim \$1,000,000 Aggregate \$2,000,000 Deductible \$25,000

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

Waiver of Subrogation as designated above is provided when required of the Named Insured by written contract or agreement.

### CERTIFICATE HOLDER

March-Westin Company  
360 Frontier Street  
Morgantown WV 26505

### 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

*Steven Galica*

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ACORD 25 (2016/03)

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