



The following documentation is an electronically-submitted vendor response to an advertised solicitation from the *West Virginia Purchasing Bulletin* within the Vendor Self-Service portal at [wvOASIS.gov](http://wvOASIS.gov). As part of the State of West Virginia's procurement process, and to maintain the transparency of the bid-opening process, this documentation submitted online is publicly posted by the West Virginia Purchasing Division at [WVPurchasing.gov](http://WVPurchasing.gov) with any other vendor responses to this solicitation submitted to the Purchasing Division in hard copy format.

Header @ 1

List View

General Information | Contact | Default Values | Discount | Document Information | Clarification Request

Procurement Folder: 995514

Procurement Type: Central Purchase Order

Vendor ID: 000000204787

Legal Name: THE THRASHER GROUP INC

Alias/DBA:

Total Bid: \$0.00

Response Date: 02/08/2022

Response Time: 8:46

Responded By User ID: Thrasher

First Name: Caroline

Last Name: Marion

Email: cmarion@thethrasheragro

Phone: 304-624-4108

SO Doc Code: CEOI

SO Dept: 0603

SO Doc ID: ADJ2200000009

Published Date: 1/21/22

Close Date: 2/8/22

Close Time: 13:30

Status: Closed

Solicitation Description: Clarksburg Armory Windows & HVAC Renovations EOJ

Total of Header Attachments: 1

Total of All Attachments: 1



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

**State of West Virginia  
 Solicitation Response**

**Proc Folder:** 995514  
**Solicitation Description:** Clarksburg Armory Windows & HVAC Renovations EOI  
**Proc Type:** Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2022-02-08 13:30	SR 0603 ESR02082200000004684	1

**VENDOR**  
 000000204787  
 THE THRASHER GROUP INC

**Solicitation Number:** CEOI 0603 ADJ2200000009  
**Total Bid:** 0  
**Response Date:** 2022-02-08  
**Response Time:** 08:46:00  
**Comments:** n/a

**FOR INFORMATION CONTACT THE BUYER**  
 David H Pauline  
 304-558-0067  
 david.h.pauline@wv.gov

**Vendor Signature X** **FEIN#** **DATE**

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

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Clarksburg Armory Windows & HVAC Renovations EOI				0.00

Comm Code	Manufacturer	Specification	Model #
81101508			

**Commodity Line Comments:** n/a

**Extended Description:**

Provide professional architectural and engineering design services per the attached documentation.



# THRASHER



## WEST VIRGINIA ARMY NATIONAL GUARD

Clarksburg Armory Windows & HVAC Renovation Design

CEOI 0603 ADJ2200000009

Submitted by:  
The Thrasher Group, Inc.  
February 8, 2022



COMPLEX PROJECTS  
REQUIRE RESOLVE  
**THRASHER'S GOT IT**

February 8, 2022

Attn: Mr. David Pauline, Buyer  
Department of Administration, Purchasing Division  
2019 Washington Street East  
Charleston, WV 25305

*RE: WV Army National Guard - Clarksburg Armory Windows & HVAC Renovation Design  
CEOI 0603 ADJ2200000009*

Dear Mr. Pauline and Selection Committee Members:

The West Virginia Army National Guard is in need of engineering and architectural services for window replacements, aluminum storefronts, overhead doors, and new HVAC additions to office areas of their Clarksburg facility. With a variety of updates and renovations needed, as well as bidding assistance, cost estimating, and construction administration, the Armory will need a team of specialized professionals for a successful outcome. The Thrasher Group is the right firm for the job.

Thrasher has been serving clients across the Mid-Atlantic region for nearly 40 years. We have developed a strong portfolio of renovation and building improvement projects in that time, including projects just like yours. We are well versed in the complexities of these projects and have the knowledge to design and execute this work within the dedicated budget and timeline set up by the West Virginia Army National Guard.

Our cumulative knowledge and experience with projects like this one will enable us to work with you to efficiently identify project scope, establish accurate budgets, and develop successful design solutions. Our team has a superb track record of producing solid construction documents, getting projects competitively bid, administering the construction process, and ensuring projects are completed successfully on time and within budget.

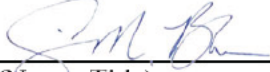
We appreciate the opportunity to share our qualifications with you and further discuss how The Thrasher Group can help the Army National Guard improve the Clarksburg Armory facility.

Sincerely,  
The Thrasher Group, Inc.

Craig Baker, ALEP  
Buildings and Facilities Market Leader

# DESIGNATED CONTACT

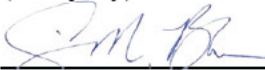
**DESIGNATED CONTACT:** Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

  
\_\_\_\_\_  
(Name, Title)  
Craig Baker, Buildings and Facilities Market Leader  
\_\_\_\_\_  
(Printed Name and Title)  
600 White Oaks Blvd. | Bridgeport, WV 26330  
\_\_\_\_\_  
(Address)  
304-624-4108 | 304-624-7831  
\_\_\_\_\_  
(Phone Number) / (Fax Number)  
cbaker@thetrashergroup.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.

*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.*

The Thrasher Group, Inc.  
\_\_\_\_\_  
(Company)

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

Craig Baker, Buildings and Facilities Market Leader  
\_\_\_\_\_  
(Printed Name and Title of Authorized Representative)

02/07/2022  
\_\_\_\_\_  
(Date)

304-624-4108 | 304-624-7831  
\_\_\_\_\_  
(Phone Number) (Fax Number)

Revised 01/18/2022



# PURCHASING AFFIDAVIT

STATE OF WEST VIRGINIA  
Purchasing Division

## PURCHASING AFFIDAVIT

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

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

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

**DEFINITIONS:**

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

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

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

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

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: The Thrasher Group, Inc.

Authorized Signature: [Signature] Date: 02/07/2022

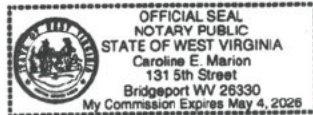
State of West Virginia

County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 7 day of Feb, 2022

My Commission expires May 4, 2020

AFFIX SEAL HERE



NOTARY PUBLIC

[Signature]

Purchasing Affidavit (Revised 01/19/2018)

# THE THRASHER GROUP, INC.



- > Architecture
- > Utility Engineering
- > Site Engineering
- > Environmental
- > Survey
- > Transportation
- > Construction Services
- > Geospatial

## Main Point of Contact:

Craig Baker, ALEP  
Buildings & Facilities Market Leader  
Cbaker@thethrashergroup.com  
Cell: 304-669-3022  
Office: 304-326-6388



# 8

**OFFICES**  
in four states:

West Virginia  
Pennsylvania  
Ohio  
Maryland



# 38

**YEARS**  
of delivering  
successful  
projects



# 300+

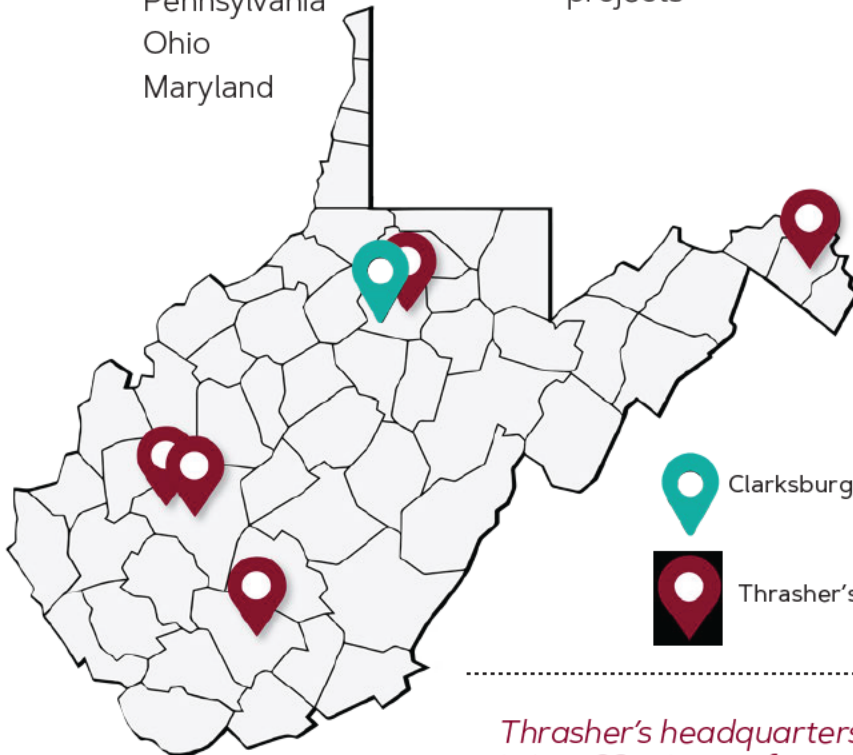
**EMPLOYEES**

**34** Licensed  
Professional Engineers

**10** Licensed  
Professional Surveyors

**6** Licensed  
Professional Architects

**2** Licensed Professional  
Landscape Architects



*Thrasher's headquarters in Bridgeport, WV,  
is just 23 minutes from the Clarksburg Armory.*

# APPROACH TO YOUR GOALS

A critical step in meeting your goals is first ensuring we understand them. Thrasher's team has thoroughly reviewed the Expression of Interest request and is confident in our ability to deliver the highest-quality solutions to your problems. We are capable of meeting each goal/objective you have outlined and feel strongly that you will be satisfied with the outcomes you receive.

**We understand your goals for the renovations at the Clarksburg Armory.**

## **Goal 2.1 | Design**

The Thrasher Group can provide the West Virginia Army National Guard with all of the necessary engineering and architectural design services for this project. Our team of in-house experts will handle all outlined key design elements, including the replacement of all windows, aluminum storefronts, overhead door and the HVAC equipment, energy efficiency considerations, and maintenance-friendly equipment.

## **Goal 2.2 | Codes and Regulations**

Our designers will assure that the new windows, doors, storefronts, and HVAC systems meet all current building codes, ADA compliance, and current military force protection regulations

## **Goal 2.3 | Utility Location**

With one of the largest survey crews in the state, we have the ability to research and investigate the location of both underground and above ground utilities around the project site. Thrasher has vast experience in this project component and will not only be able to locate these existing features but can provide drawings and specifications of them as needed.

## **Goal 2.4 | Drawings, Specifications, and Estimates**

Our team will include drawings and specifications at the 35%, 65%, 95%, and 100% milestones. Cost estimating will be provided in the same increments. Our full-time cost estimator, Jim Decker, will work closely with the Army National Guard to ensure estimates are accurate and the project proceeds within budget. The Thrasher team will take the Guard's feedback into consideration on both budget and design at each increment and work with all stakeholders to produce final designs that satisfy the needs of the project.

## **Goal 2.5 | Bid Assistance and Construction Administration**

Competitive bid assistance and construction administration is part of the Thrasher package. Our team is well versed in these processes and has highly experienced staff available for your assistance. We have developed relationships with contractors all across the state and actively work with them to get the most bids possible for our clients' projects, acting as a resource to both the contractors and the client throughout the bid process.

Additionally, our construction services team always plays a major role in the Thrasher full-services package. We have a Construction Administrator on staff - Bill Ratcliffe - who will help oversee the work being done at the Clarksburg Armory. Bill and the team have the competence you need to ensure your project is constructed correctly and functions as designed.

# APPROACH TO YOUR GOALS

Thrasher will keep your project goals in mind throughout the process. We will address each in turn, working directly with the West Virginia Army National Guard to meet your needs with the project approach outlined below. Thrasher will conduct design review meetings with your team at each phase of the process, making sure we are keeping with the overall intention of the project.

**Our general steps for project management are as follows:**

## **Step 1 - Site Visit**

Your assembled team of engineers and technicians will conduct a site visit. This group will evaluate the project conditions and identify and document potential problem areas. We will coordinate with your team and any identified key stakeholders to take all the facts into consideration during this process.

## **Step 2 - Conceptual Design and Report**

Thrasher will prepare a conceptual design for the needed services at the Clarksburg Armory. Where applicable, we will also provide design alternatives for consideration. We will then prepare a written report of the conceptual designs and outline any issues.

## **Step 3 - Construction Documents**

Our team will provide design solutions and construction documents to the appropriate personnel for the project. These plans will be carried forward to final design based upon the conceptual design report. Thrasher recognizes that you are requesting drawings and specifications at 35%, 65%, 95%, and 100% and will provide both drawings and cost estimates at those intervals. We will complete the final design documents based upon comments received and conclusions throughout the design review process. Our field evaluations and design approach will specifically address these issues in the construction documents.

## **Step 4 - Bid Process**

We will assist the Purchasing Division and stakeholders in preparation of the bid documents and will attend pre-bid meetings and assist in issuance of addenda.

## **Step 5 - Construction Administration**

The project team will review project submittals, attend project meetings, and provide inspection of the construction being completed. The project team will also provide final punch list inspection at project completion.

Thrasher will also develop a program to keep your team abreast of potential construction issues. We will prepare design repairs with the adjacent property owners in mind. We plan to address any issues that may arise through clear and concise construction notes, details, and specifications to ensure the safety of the workers and environment.

## **Step 6 - Project Close Out**

Upon completion of the project, the Thrasher team will provide final as-built drawings in both CAD and PDF format to any appropriate personnel as needed.



# COMMUNICATION APPROACH

Communication throughout any project is a primary key to success. To that end, Thrasher will begin communication with the WV Army National Guard immediately upon notification of award and will maintain consistent lines of communication for the duration of the project. This will ensure all parties involved - owner, contractor, and engineer - will always be apprised of the project happenings.

The two main components of the project approach will be design and construction. Each will have its own plan for communication.

## Communication During Design

Prior to the initiation of design services, Thrasher's Project Manager, Matt Breakey, will discuss preferred methods of communication with the WV Army National Guard's point of contact. Updates during the design phase can occur in numerous ways:

- » Weekly status updates via email
- » Weekly conference calls
- » Monthly progress meetings

No matter the methods preferred, our project teams are well versed in keeping our clients abreast of project status. We can customize your project's communication plans to best fit your teams' wants and needs.

## Communication During Construction

Before construction begins, Matt will again meet with the WV Army National Guard's team to determine preferred communication tools for this phase of the project. Open, consistent communication will be paramount to keep the project on-time and within budget.

Additionally, Thrasher will conduct monthly progress meetings with the contractor, the WV Army National Guard, and key project stakeholders throughout the duration of the project. Meeting minutes will be distributed to all attendees and any other agents identified by the WV Army National Guard. Action items will be documented within the meeting minutes.

Throughout construction, Thrasher will have people on-site for project representation as well as material testing. Anytime a Thrasher employee is on site during construction, a field report will be prepared. Field reports will be reviewed by the engineering team and distributed to the WV Army National Guard's construction representative on a weekly basis.



# QUALITY CONTROL



Thrasher has an internal Quality Control Policy to ensure our projects move forward efficiently and effectively. The objectives of this manual are to continually improve the quality of the design and technical deliverables Thrasher provides to its internal and external clients.

This manual illustrates the basic requirements for quality control in our projects. It describes the methods for checking and reviewing product elements and client deliverables and includes rigorous comprehensive written check-lists for each stage of the design process, document production, and construction activities.

The purpose of these QC methodologies is to reduce or eliminate the potential for errors, omissions, ambiguities, and inconsistencies.

## The policy outlines three main areas:

### General

Defines the purpose, intent and limitations, definitions, and implementation

### Project Management Procedures

Presents required procedures specific to this practice that allow for the efficient and accurate management of projects

### Check and Final Review Procedures

Presents required procedures specific to this practice that are used to insure technical accuracy of the work product

# COST CONTROL



## Cost control

Thrasher follows four main cost control principles:

**Thorough construction documents** - Starting off with detailed construction documents helps the entire project run more smoothly. By laying an accurate, realistic picture at the beginning of the process, we are able to complete your project more efficiently and with fewer change orders.

**In-depth review process** - The Thrasher team participates in an in-depth review process to ensure there is a thorough understanding of your project. Our construction administration team visits your site in person so we know exactly what is needed for the space.

**Understanding of what things cost** - Thrasher has a knowledgeable construction administration team that understands what it truly costs to make things happen. Rather than relying on general industry standards, our Construction Estimator, Jim Decker, can tell you what something will cost in actuality. Jim, who has a contracting license, knows how to navigate both sides of a bid process and can deliver an accurate look at your project costs up front.

**Respect for your wallet** - We respect your business needs and work to ensure the lowest-cost options we can find. We also keep you updated of budget throughout the process: An initial construction cost will be calculated to reflect your budget, and construction cost estimates will be delivered with the drawings at the end of Schematic Design, Design Development, and Construction Documentation. Adjustments to size and/or quality will be made, as necessary, during each design phase to maintain your budget.



## Budgeting

Construction estimating and budgeting is one of the most important parts of what Thrasher can provide you. Without accurate budgets, there is no tool to guide the design process and issues will be inevitable. By including cost estimating as a part of the project scope from day one, we are able to avoid issues before they arise and keep your project within a reasonable cost.

And our estimates go beyond the typical system - rather than simply providing cost per foot or lump sum price, Thrasher will provide contractor-grade estimates that look at every part of the project. We do detailed take-offs of materials and look at every man hour needed to complete a project and factor this in accordingly. Then, we use our thorough understanding of the local market and material costs to accurately design within your budget.

# MEETING YOUR TIMELINES



## Scheduling

Thrasher realizes the importance of establishing and maintaining project schedules. Time means money and making sure we help you spend your money wisely is our number one goal. Because of this, our team puts an emphasis on ensuring project timetables are met and communication is upheld throughout the process.

To accomplish these goals, Thrasher utilizes scheduling to track every stage of a project - from design and bidding through construction completion. We also require contractors working on our projects to regularly update their project schedules and give a detailed progress report at each job meeting, again focusing on the communication component of scheduling. This helps to ensure all parties are informed and aware of potential delays. Keeping our owners up to speed with progress is always our priority and ensures occupancy and owner supplied equipment are scheduled accordingly. Then, we use our thorough understanding of the local market and material costs to accurately design within your budget.





# PROJECT EXPERIENCE



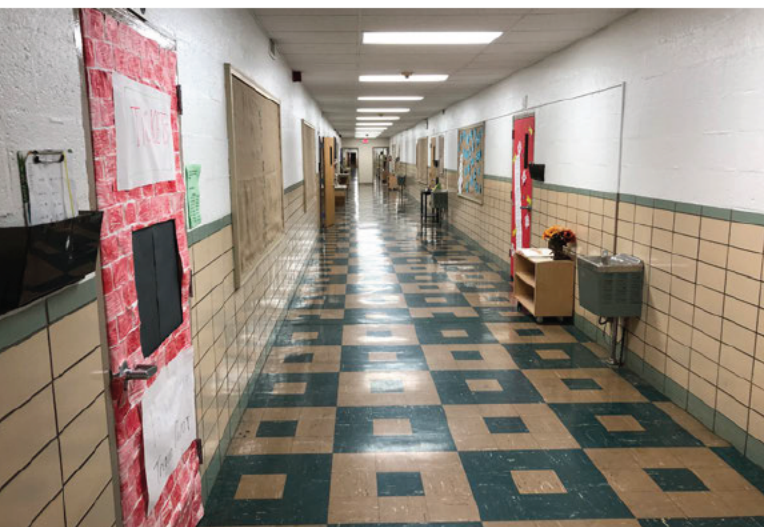
## CHAPMANVILLE PRIMARY SCHOOL Various Renovations

### Client Contact:

Mr. Mark Adkins, Director of Operational Support  
506 Holly Avenue | Logan, West Virginia 25601  
304-687-7159



The Thrasher Group has been a partner to Logan County Schools for many years, working at a variety of facilities in the county. One of those schools is Chapmanville Primary, where the Thrasher team performed a variety of interior and exterior renovations. This work included the replacement of all windows in the building with new fixed aluminum storefront window systems. All doors were also replaced, as well as the flooring throughout the school. These improvements were funded through the School Building Authority's Major Improvements Project program.



# PROJECT EXPERIENCE



## MCDOWELL COUNTY SCHOOLS Mount View Window Replacement

### Client Contact:

Mr. Will Chapman, Facilities Director  
30 Central Avenue | Welch, WV 24801  
304-436-8441

McDowell County Schools saw a need for a complete window replacement at Mount View High School. Thrasher completed a 140 window replacement project at Mount View High School in McDowell County. This project also required the replacement of all sills and jambs. This project significantly increased the buildings energy efficiency.





# PROJECT EXPERIENCE



## FAIRMONT STATE UNIVERSITY Hunt Haught Hall Renovation

### Client Contact:

Mr. Tom Tucker, Facilities Manager  
1201 Locust Avenue | Fairmont, WV 26554  
304-367-4861

Thrasher provided all architectural services which included planning, design, and construction administration for the renovation of Hunt Haught Hall at Pierpont Technical College/Fairmont State University. Renovations included replacement and repair of the glass curtainwall in the stair tower and numerous HVAC upgrades. Due to the fact the structure is over 30 years old and has endured abundant wear, the steel structure within the glass curtainwall had deteriorated from years of leaky windows and needed extensive work. The existing glass needed complete replacement to be compliant with energy efficiency guidelines set forth by FSU. The HVAC upgrades included the removal and replacement of existing roof top hot water boilers to comply with the energy standards.

The architectural team at Thrasher had to be mindful of several challenges while working on Hunt Haught Hall. The most important challenge was to avoid disrupting the everyday use of the facility. The team had to be fully aware of ingress and egress, safety concerns, as well as noise disruption during classes. Specific guidelines were developed and included into the bidding documents to allow a clear understanding of the expectations before bidding.

It was very important to FSU to keep the aesthetics of the building intact and not to change its looks too drastically. As seen below, Thrasher was able to make the upgrades without sacrificing the buildings original feel.

# PROJECT EXPERIENCE



## GRAFTON HOUSING AUTHORITY Elizabeth Cather Towers HVAC Renovation

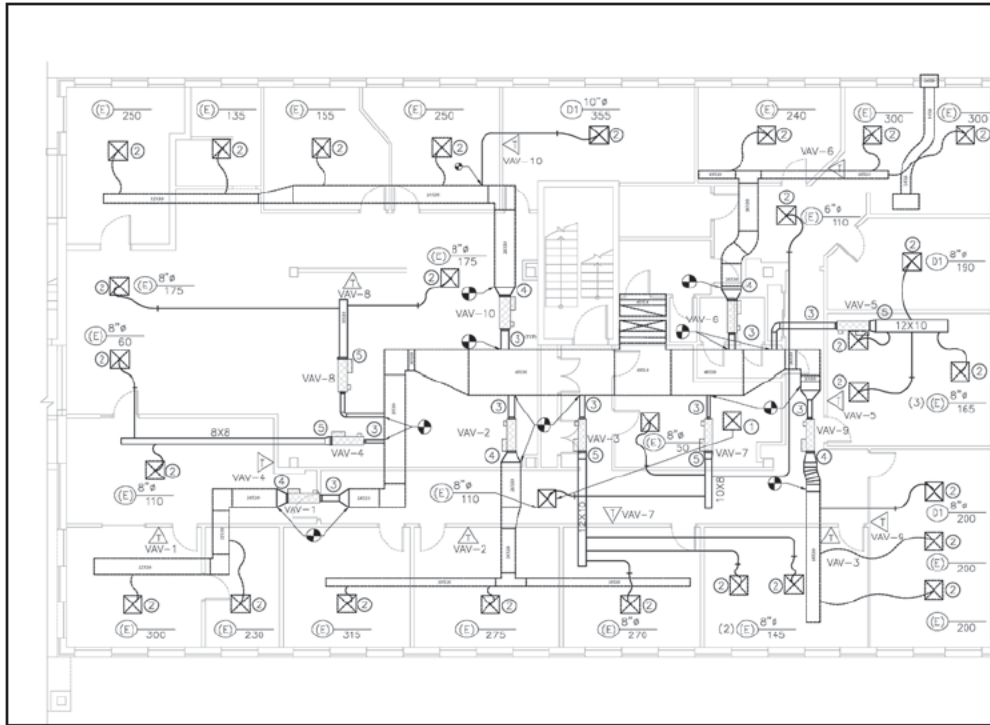
### Client Contact:

Mr. Frank Mayle, Jr., Executive Director  
131 East Main Street | Grafton, WV 26354  
304-265-1183

Elizabeth Cather Tower is home to the Grafton Housing Authority offering affordable housing to the community with approximately 80,000 square feet. To better the quality of life of their tenants, the housing authority sought to complete an upgrade of the existing fan coil units that are in each living unit. Prior to demolition of the existing fan coil units, contractors were required to remove and replace all existing shutoff valves for each fan coil unit located on the first floor. After completing the valve replacement, the fan coil units were then removed in each living unit – 111 fan coil units in total. The work included the demolition of the enclosure around each of the 111 fan coil units and removing of the fan coil units themselves. Then each unit was replaced with a new unit and a new enclosure was provided around each unit. Contractors were allotted a certain amount of workspace in each living unit because the units were still occupied by tenants.



# PROJECT EXPERIENCE



- PLAN NOTES:**
- ① RELOCATE DIFFUSER AS SHOWN BY ARROW.
  - ② BALANCE EXISTING DIFFUSER TO CFM NOTED.
  - ③ VAV SUPPLY DUCT SHALL BE A MINIMUM OF 24" LONG AND MATCH INLET DIAMETER.
  - ④ PROVIDE TRANSITION FROM VAV OUTLET SIZE TO EXISTING DUCT SIZE.
  - ⑤ PROVIDE TRANSITION FROM VAV OUTLET SIZE TO SIZE NOTED.

## BERKELEY COUNTY DEVELOPMENT AUTHORITY HVAC Upgrades

**Client Contact:**  
Ms. Sandy Hamilton, Executive Director  
300 Foxcroft Avenue, Suite 201  
Martinsburg, WV 25401  
304-267-4144

The Thrasher Group is working with the Berkeley County Development Authority to solve high humidity issues in their office building. A variety of HVAC upgrades were needed to make this happen, with Thrasher's mechanical and electrical engineers providing design services. The team converted the constant air volume roof top unit system with zone and bypass dampers to a variable air volume (VAV) roof top unit system with VAV boxes having electric re-heat. This project is currently underway with anticipated completion of August 2021.



# KEY PERSONNEL



## WV ARMY NATIONAL GUARD

Craig Baker, ALEP  
Buildings and Facilities  
Market Leader

Matt Breakey, AIA, LEED AP,  
NCARB  
Project Manager

Kenton Blackwood, Assoc.  
AIA, LEED AP  
Project Designer

Jim Decker, MBA  
Construction Estimator

Bill Ratcliffe, REFP  
Construction Administrator

Brian Hensley  
Electrical Designer

Ken Smith, PE  
Mechanical Engineer

Duane Boyle  
Plumbing Designer

Survey Services

Construction Services

Environmental Services

# CRAIG BAKER, ALEP

Buildings and Facilities Market Leader



## Education

Bachelor of Science,  
Architectural Engineering  
Fairmont State University

Advanced Certificate,  
Educational Facilities Planning  
San Diego State University

## Affiliations

- > American Institute of Architects - Associate, West Virginia and National Chapters
- > Accredited Learning Environment Planner (ALEP)
- > Council of Educational Facilities Planner
- > West Virginia Energy Services Coalition
- > The Education Alliance Business and Community for Public Schools - Board of Directors

Craig Baker, ALEP is an experienced designer and manager with an extensive background working with clients to design, plan, and manage projects both large and small. As an Accredited Learning Environment Planner (ALEP), he has a special interest in the functionality and design of educational facilities.

Craig has worked on a wide variety of projects during his tenure at Thrasher. His knowledge includes a thorough understanding of industrial facilities, administrative office spaces, academic building design, government buildings, residences, medical facilities, and hospitality.

As manager of Thrasher's Building's and Facilities Market, Craig works hand-in-hand with staff and clients to ensure projects remain on time and within budget. In addition to his strong technical skills, Craig's attention to client communication and responsiveness make him an excellent manager. He manages coordination of construction, detailed construction document preparation, bidding, construction management, and contract administration.

## Experience

### Harrison County Commission Courthouse HVAC Replacement

Role: Principal  
> Harrison County, WV

### Taylor County Courthouse Annex 2 HVAC Improvements

Role: Principal  
> Taylor County, WV

### Belington Elementary School HVAC Upgrades

Role: Principal  
> Barbour County, WV

### Fairmont State University Hunt Haught Hall Renovations and HVAC Upgrades

Role: Principal  
> Marion County, WV

### Roane County Schools New HVAC Cooling Towers

Role: Principal  
> Roane County, WV

### Berkeley County Schools Winchester Avenue Elementary Window Replacement

Role: Principal  
> Berkeley County, WV

### McDowell County Schools Mount View High School Window Replacement

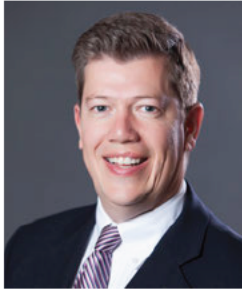
Role: Principal  
> McDowell County, WV

### Pleasants County Schools Middle School Restroom Improvements and Door Replacement

Role: Principal  
> Greenbrier County, WV

# MATT BREakey, AIA, LEED AP, NCARB

Project Manager



## Education

Bachelor of Architecture,  
Pennsylvania State University

Bachelor of Science,  
Architecture  
Pennsylvania State University

## Registrations

Professional Architect:

- > West Virginia
- > Maryland
- > Pennsylvania
- > Michigan
- > Indiana
- > Kentucky
- > Ohio
- > Virginia

## Affiliations

- > LEED Accredited  
Professional, US Green  
Building Council
- > American Institute of  
Architects - Board Member  
(AIA)
- > President of WV Chapter  
of American Institute of  
Architects
- > National Council of  
Architectural Registration  
Boards (NCARB)

Matt Breakey, AIA, NCARB, LEED AP has over 20 years of experience providing architectural design and management services. He has worked with a wide range of clients, including those in the education section (K-12 and higher education), state, federal, correctional, commercial, and multi-unit residential and healthcare providers.

Matt spent part of his career providing oversight for major capital construction projects for two auxiliary entities at a higher education institute. This experience gave him a refined eye for the design aspect as well as project construction and feasibility. As a LEED Accredited Professional, Matt works with clients to find cost saving and sustainable features that will enhance their projects. His educational background combined with his well-executed projects make Matt a highly sought-after architect.

## Experience

**Grafton City Hospital  
HVAC and Life**

**Safety Renovation**  
Role: Project Manager  
> Taylor County, WV

**WVU Towers Dorms  
HVAC, Sprinkler, and Fire  
Alarm Renovations**

Role: Senior Project Manager  
> Monongalia County, WV

**Pleasants County Schools  
Middle School Restroom  
Improvements and  
Door Replacement**

Role: Project Manager  
> Pleasants County, WV

**Mid-Ohio Valley  
Technical Institute School  
Access and Safety Renovations**

Role: Project Manager  
> Pleasants County, WV

**Doddridge County Commission  
Courthouse Renovations**

Role: Project Manager  
> Doddridge County, WV

**Harrison County Commision  
Courthouse Interior and  
Exterior Renovations**

Role: Project Manager  
> Harrison County, WV

**Jefferson County Convention  
and Visitor's Bureau  
Addition and Renovations**

Role: Project Manager  
> Jefferson County, WV

**Wetzel County Commission  
Shiben Building  
Judicial Annex Renovation**

Role: Project Manager  
> Wetzel County, WV

# **The West Virginia Board of Architects**

certifies that

**MATTHEW BREakey**

is registered and authorized to practice  
Architecture in the State of West Virginia.

In testimony whereof this certificate has been issued  
by the authority of this board.

Certificate Number



# KENTON BLACKWOOD, ASSOC. AIA, LEED AP

Project Designer



## Education

West Virginia University,  
Engineering Curriculum

Fairmont State University,  
Architecture Curriculum

## Registrations

- > LEED Accredited Professional
- > Associate Member of American Institute of Architects

Kenton Blackwood has 35 years of experience in the planning, design, bidding and construction of architectural projects throughout the State of West Virginia, and in the past decade he has designed and managed over \$85 million of construction. Kenton is well-versed in site evaluation and design, building program evaluation, planning and design, construction document development, bidding and construction administration, on-site construction observation, and is very knowledgeable in Fire/Life-Safety Code requirements and ADA/Accessibility Design Standards. He has extensive experience with WVSBFA funded projects and is familiar with the agency's Policy and Procedures and Quality/Performance Standards.

Kenton has an unsurpassed understanding of technological architectural media with his knowledge of vector-based 3D modeling and CAD applications. His proficiency with virtual-reality modeling allows Thrasher to take a client around and through a design, study different forms, lighting, color schemes and finishes to make revisions before the project begins.

## Experience

**Barbour County Schools  
Junior Elementary School  
Additions, Renovations, and  
School Improvements**  
Role: Project Designer  
> Barbour County, WV

**Barbour County Schools  
Kasson Elementary School  
Additions, Renovations, and  
School Improvements**  
Role: Project Designer  
> Barbour County, WV

**Salem Correctional Center  
Jones Building Housing  
Improvements/Renovations**  
Role: Project Designer  
> Harrison County, WV

**Wiles Hill Community Center  
Additions, Renovations, and  
Historic Re-adaptation**  
Role: Project Manager  
> Monongalia County, WV

**Hennen Building  
Interior and Exterior  
Renovations**  
Role: Project Manager  
> Marion County, WV

**VA Women's Clinic at  
LA Johnson Medical Center  
Suite Build-Out  
and Renovations**  
Role: Project Designer  
> Harrison County, WV

**West Virginia University  
Mountainlair Additions  
and Renovations**  
Role: Project Designer  
> Monongalia County, WV

**Marion County Schools  
Fairmont Senior High School  
Various Renovations**  
Role: Project Designer  
> Marion County, WV



# JIM DECKER, MBA

Construction Estimator



## Education

Master of Business Administration,  
Project Management Emphasis  
Fairmont State University

Bachelor of Science,  
Civil Engineering  
Fairmont State University

Associates Degree,  
Mechanical Engineering  
Fairmont State University

## Registrations

General Contractor:  
> West Virginia

## Affiliations

- > Leadership Marion County
- > Leadership Fairmont State University
- > Eagle Scout, B.S.A., 1981
- > Cub Scouts & Boy Scouts of America
- > City of Fairmont, BOCA Board of Appeals
- > Water Commissioner
- > St. Paul United Methodist Church—Pastor Parish Relations, Building Committee, Trustees

Jim Decker, MBA brings nearly 30 years of experience in construction estimating and management for the private and public sectors. He provides services with inspections, site monitoring, cost control, schedules, contract administration, payment processing, shop and coordination drawings, change orders and project reports.

His role as a construction estimator allows for clients to be able to recognize a true price when it comes to their projects. Jim is also a Licensed General Contractor in the State of West Virginia. As a General Contractor he is able to oversee the day-to-day functions of the construction site.

Previously, Jim was the facilities director at a local educational institution for 10 years. Jim relates well with his clients because he approaches the situation from both a consultant and client perspective.

## Experience

**Harrison County Commission  
Courthouse HVAC  
Replacement**

Role: Construction Estimator  
> Harrison County, WV

**Upshur County Development  
Authority Innovation Center**

Role: Construction Estimator  
> Upshur County, WV

**Benedum Airport Authority  
New Aircraft Hangars HVAC**

Role: Construction Estimator  
> Harrison County, WV

**City of Bridgeport  
Fire Department**

**Renovations and Additions**  
Role: Construction Estimator  
> Harrison County, WV

**Dominion Energy  
Mount Storm Office Building**

Role: Construction Estimator  
> Grant County, WV

**Grafton Housing Authority  
Elizabeth Cather Towers  
HVAC and Roof Replacement**

Role: Construction Estimator  
> Taylor County, WV

**Hardy County Public Service  
District Office Building HVAC**

Role: Construction Estimator  
> Hardy County, WV

**McDowell County Schools  
Mount View High School  
Window Replacements**

Role: Construction Estimator  
> McDowell County, WV

**MVA Shinnston Clinic  
Various Renovations**

Role: Construction Estimator  
> Harrison County, WV

**Marion County Health  
Department Renovations**

Role: Construction Estimator  
> Marion County, WV

# BILL RATCLIFFE, REFP

Construction Administrator



Bill Ratcliffe, REFP has over two decades of experience involved in the completion of successful construction projects. He has spent the last 15 years of his career working as a construction contract administrator on public and private projects, ensuring the successful completion of projects. Bill also spent 14 years of his career working for the West Virginia School Building Authority (SBA) where he worked with architects during the planning, design, & construction phases on hundreds of projects.

## Education

Regents Degree,  
West Virginia State University

## Registrations

Recognized Educational Facility  
Planner

Bill's strong relationships with countless regulatory and building entities combined with his hands-on experience make him an excellent project manager and an invaluable member of the Thrasher team.

## Experience

**Harrison County Commission  
Courthouse HVAC Replacement**  
Role: Construction Administrator  
> Harrison County, WV

**City of Beckley  
New Police Station**  
Role: Construction Administrator  
> Raleigh County, WV

**City of Beckley  
New Fire Station #3**  
Role: Construction Administrator  
> Raleigh County, WV

**Baker Heights  
New Fire Station**  
Role: Construction Administrator  
> Berkeley County, WV

**Wirt County High School New  
Roof, HVAC, and Fire  
Alarm Replacements**  
Role: Construction Administrator  
> Wirt County, WV

**Huntington Tri-State Airport  
Stair Tower / Elevator Building  
for ADA Access**  
Role: Construction Administrator  
> Wayne County, WV

**Boy Scouts of America  
JW and Hazel Ruby  
Welcome Center**  
Role: Construction Estimator  
> Fayette County, WV

**WVU Robert C. Byrd Testing  
Center Renovations, Charleston  
Area Medical Center**  
Role: Construction Administrator  
> Kanawha County, WV

**White Oaks Development  
Retail II Facility**  
Role: Construction Administrator  
> Harrison County, WV

**Doddridge County Commission  
Courthouse Renovations**  
Role: Construction Administrator  
> Doddridge County, WV

**Central WV Regional Airport  
Authority Yeager Terminal  
Security Enhancements**  
Role: Construction Administrator  
> Kanawha County, WV

# KEN SMITH, PE

Mechanical Engineer



## Education

Bachelor of Science,  
Mechanical Engineering  
West Virginia University

## Registrations

Professional Engineer:

- > West Virginia
- > Virginia
- > Ohio
- > Kentucky

## Affiliations

- > American Society of Heating, Refrigerating, and Air Conditioning Engineers Member

Ken Smith, PE has become a vital member of the Thrasher team with his impressive experience in mechanical engineering, project management, and construction administration. His skills in HVAC system design (heating, ventilation, and air conditioning), bidding and estimating, and energy efficiency have led to the success of numerous projects.

Ken utilizes notable leadership and communication skills as a Project Manager by coordinating with clients and engineers regarding project requirements. Additionally, he has extensive proficiency in designing HVAC systems for offices, schools, multifamily residential buildings, and other structures including water and wastewater facilities.

## Experience

### **Benedum Airport Authority New Aircraft Hangars HVAC**

Role: Mechanical Engineer  
> Harrison County, WV

### **Berkeley County Development Authority HVAC Upgrades**

Role: Project Manager and  
Mechanical Engineer  
> Berkeley County, WV

### **Yeager Airport HVAC Replacement**

Role: Project Engineer  
> Kanawha County, WV

### **City of Ripley Wastewater Treatment Plant HVAC Design**

Role: Mechanical Engineer  
> Jackson County, WV

### **Access Health/Rite Aide Conversion and HVAC Upgrade**

Role: Project Manager  
> Raleigh County, WV

### **Hardy County Public Service District Office Building HVAC**

Role: Mechanical Engineer  
> Hardy County, WV

### **Glenville State College HVAC Repair Design**

Role: Mechanical Engineer  
> Gilmer County, WV

### **Town of Kermit Water Treatment Plant Rehabilitation HVAC Designer**

Role: Project Engineer  
> Mingo County, WV

### **Paden City Municipal Water Works Emergency Water Treatment Plant HVAC Upgrades**

Role: Mechanical Engineer  
> Tyler/Wetzel Counties, WV

### **McDowell County Schools Rooftop Units and HVAC Control Upgrades**

Role: Project Manager  
> McDowell County, WV



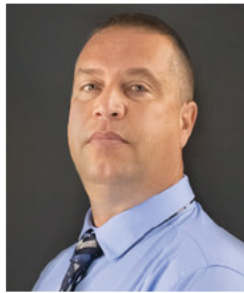
## Licensure Verification

### Search: Details

<b>Name:</b>	KENNETH E. SMITH
<b>WV Professional Engineer:</b>	<b>PE License Number:</b> [REDACTED]
	<b>PE License Status:</b> Active
	<b>PE Issue Date:</b> 07/16/1992
	<b>PE Expiration Date:</b> 12/31/2022
<b>Continuing Education Claim:</b>	<b>Qualifying Hours from Last Renewal or Reinstatement:</b> 52.50
	<b>Carryover Hours for Next Renewal:</b> 15.00
	<b>Last Renewal or Reinstatement Date*:</b> 12/17/2020
<b>WV Engineer Intern:</b>	<b>EI Certification Number:</b>
	<b>EI Issue Date:</b>
<b>Primary Address of Record:</b>	[REDACTED]
<b>Primary Employer of Record:</b>	THE THRASHER GROUP, INC. 300 ASSOCIATION DRIVE CHARLESTON, WV 25311
	<p>* This date reflects the most recent license renewal (or reinstatement) date for this licensee. Continuing education hours earned prior to this date may not be used for future renewals.</p>

# BRIAN HENSLEY

Electrical Designer



## Education

Bachelor of Science,  
Electrical Engineering  
West Virginia University Institute of Technology

## Certifications

- > Underground Coal Miner  
[REDACTED] Surface Coal Miner  
[REDACTED] Certified
- > Electrician Low/Medium/  
High [REDACTED] Surface Mine  
Foreman [REDACTED], Class  
> [REDACTED], Certified  
Unlimited Instructor  
EC,EE,IS,IU
- > AEP Class C Substation

## Trainings

- > P&H Mining Equipment  
[REDACTED] Mechanical and  
Electrical
- > Rockwell Automation  
[REDACTED] Maintenance and  
Troubleshooting
- > Rockwell Automation  
[REDACTED] Maintenance and  
Troubleshooting

Brian Hensley is an Electrical Designer serving Thrasher in a number of capacities. He works primarily with the Buildings and Facilities and Water Resources Markets, providing expertise in electrical work of all types. He has served as an MEP specialist for both public and private clients, working on everything from educational facilities to utility extensions and much more. Prior to joining Thrasher, Brian supervised projects such as installation and maintenance of complex mining equipment and power lines, substation maintenance, and underground communications. His understanding of electrical design, paired with his ability to find innovative solutions, makes Brian a valued member of the Thrasher team.

## Experience

### Dominion Energy

#### Mount Storm Office Building

Role: Electrical Designer

- > Grant County, WV

### City of Charleston

#### Police Station Renovations

Role: Electrical Designer

- > Kanawha County, WV

### Benedum Airport Authority

#### New Hangar

Role: Electrical Designer

- > Harrison County, WV

### Boy Scouts of America

#### Steve A. Antoline

#### Conservation Center

Role: Electrical Designer

- > Fayette County, WV

### Boy Scouts of America

#### John Tickle Training Center

Role: Electrical Designer

- > Fayette County, WV

### Chapmanville Towers

#### Senior Housing Renovation

Role: Electrical Designer

- > Logan County, WV

### Parkland Place

#### Senior Housing Renovation

Role: Electrical Designer

- > Wood County, WV

### Hatfield-McCoy Regional

#### Recreation Authority

#### Ashland Resort

Role: Electrical Designer

- > McDowell County, WV

### Access Health/Rite Aid

#### Building Conversion

Role: Electrical Designer

- > Raleigh County, WV

### Pocahontas Memorial Hospital

#### CT/X-Ray Suite

Role: Electrical Designer

- > Pocahontas County, WV

### Calhoun-Gilmer Career Center

#### Annex Renovations

Role: Electrical Designer

- > Calhoun County, WV

### City of Salem

#### Armory HVAC Evaluation

Role: Electrical Designer

- > Harrison County, WV

# DUANE BOYLE

Plumbing Designer



## Education

Associate Degree,  
Mechanical Design  
Ashland Regional Technology  
Center

## Certifications

> Mechanical Drafting,  
AutoCAD R13&14 (Ashland  
Regional Technology Center)

## Affiliations

> Associated Builders and  
Contractors, Inc.

Duane Boyle, Plumbing Designer, brings Thrasher value in several capacities. He has provided plumbing designs for various project types over the years, such as tenant build-outs, schools, assisted living and memory care facilities, and warehouses. Several of Duane's daily duties consist of performing plumbing calculations, fixture selections, attending project development meetings, checking shop drawings, and coordinating with all other disciplines. Most of his work involves providing these design services from the beginning to end of a project using the most current versions of AutoCAD and Revit. Duane is capable of providing field verified documents of all existing plumbing systems on site and hand drawn existing systems for use in the design and development of new construction documents. He also performs field inspections and generates field reports of observations.

## Experience

### **Dominion Energy Mount Storm Office Building**

Role: Plumbing Designer  
> Grant County, WV

### **Benedum Airport Authority New Hangar**

Role: Plumbing Designer  
> Harrison County, WV

### **Pocahontas Memorial Hospital Rural Health Addition**

Role: Plumbing Designer  
> Pocahontas County, WV

### **City of Charleston Police Station Renovations**

Role: Plumbing Designer  
> Kanawha County, WV

### **Roane County Schools Safe School Entrances**

Role: Plumbing Designer  
> Roane County, WV

### **Boy Scouts of America Steve A. Antoline**

**Conservation Center**  
Role: Plumbing Designer  
> Fayette County, WV

### **The Landing at Meadow View Apartments**

Role: Plumbing Designer  
> Harrison County, WV

### **Calhoun-Gilmer Career and Technical Center Restroom Renovations**

Role: Plumbing Designer  
> Calhoun County, WV

### **Carl D Perkins Apartments Renovations**

Role: Plumbing Designer  
> Pike County, KY

# REFERENCES



## **Berkeley County Development Authority**

Ms. Sandy Hamilton  
Executive Director  
300 Foxcroft Avenue, Suite 201  
Martinsburg, WV 25401  
304-267-4144

## **Wirt County Schools**

Mr. Jeff Harvey  
Director of Student Support Services  
1117 WV Route 18 N  
West Union, WV 26456  
304-873-2300

## **McDowell County Schools**

Mr. Will Chapman  
Director of Facilities  
30 Central Avenue  
Welch, WV 24801  
304-436-6142



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