



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***. 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*** 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: 944005

SO Doc Code: CEOI

Procurement Type: Central Purchase Order

SO Dept: 0603

Vendor ID: 000000204787

SO Doc ID: ADJ2200000006

Legal Name: THE THRASHER GROUP INC

Published Date: 10/6/21

Alias/DBA:

Close Date: 10/27/21

Total Bid: \$0.00

Close Time: 13:30

Response Date: 10/27/2021

Status: Closed

Response Time: 8:31

Solicitation Description: JFHQ TAG Wing Renovation Design

Responded By User ID: Thrasher

Total of Header Attachments: 1

First Name: Caroline

Total of All Attachments: 1

Last Name: Marion

Email: cmarion@thethrasheragro

Phone: 304-624-4108



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:** 944005  
**Solicitation Description:** JFHQ TAG Wing Renovation Design  
**Proc Type:** Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2021-10-27 13:30	SR 0603 ESR10272100000002638	1

**VENDOR**  
000000204787  
THE THRASHER GROUP INC

**Solicitation Number:** CEOI 0603 ADJ2200000006  
**Total Bid:** 0  
**Comments:** n/a  
**Response Date:** 2021-10-27  
**Response Time:** 08:31:21

**FOR INFORMATION CONTACT THE BUYER**

David H Pauline  
304-558-0067  
david.h.pauline@wv.gov

Vendor Signature X	FEIN#	DATE
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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	JFHQ TAG Wing Renovation Design				

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



## WV ARMY NATIONAL GUARD

Joint Forces Headquarters Building Renovations

Submitted by:  
The Thrasher Group, Inc.  
October 27, 2021



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

October 27, 2021

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

*RE: WV Army National Guard Headquarters Building Renovations*

Dear Selection Committee Members:

The West Virginia Army National Guard has a variety of improvements slated for the TAG Wing of the Joint Forces Headquarters building in Charleston. With architectural and engineering services required for project success, the Guard needs a full-service team of experts to bring this project to life. The Thrasher Group is the right firm for the job.

Thrasher has nearly 40 years of experience providing consulting services to clients across West Virginia. With a mission of improving the communities where we live and work, projects like yours have special significance to our team. The work the West Virginia Army National Guard does for our state is unparalleled, and your staff deserves the highest quality headquarters building. Thrasher would be honored to be a part of the process.

We house a full range of architectural and engineering services in-house, with all of the expertise required to make this renovation project a success. Our team has completed countless office upgrades, restroom renovations, and lighting replacements at facilities of all kinds. From licensed professional architects to experienced MEP engineers, Thrasher's got it.

We appreciate the opportunity to share our qualifications with you and look forward to further discussing how The Thrasher Group can be your partner on this project and for the long haul.

Sincerely,  
The Thrasher Group, Inc.

Craig Baker, ALEP  
Buildings and Facilities Market Leader

## ADDENDUM ACKNOWLEDGEMENT FORM SOLICITATION NO.: CEOI ADJ2200000006

**Instructions:** Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

**Acknowledgment:** I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

### Addendum Numbers Received:

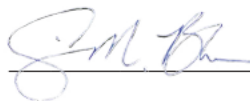
(Check the box next to each addendum received)

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6  |
| <input type="checkbox"/> Addendum No. 2            | <input type="checkbox"/> Addendum No. 7  |
| <input type="checkbox"/> Addendum No. 3            | <input type="checkbox"/> Addendum No. 8  |
| <input type="checkbox"/> Addendum No. 4            | <input type="checkbox"/> Addendum No. 9  |
| <input type="checkbox"/> Addendum No. 5            | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

The Thrasher Group, Inc

Company



Authorized Signature

10/21/2021

Date

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

STATE OF WEST VIRGINIA  
Purchasing Division  
**PURCHASING AFFIDAVIT**

**CONSTRUCTION CONTRACTS:** Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not 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: 10/21/2021

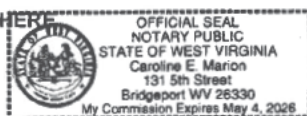
State of West Virginia

County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 21 day of October, 2021.

My Commission expires May 4, 2026.

AFFIX SEAL HERE



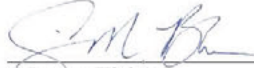
NOTARY PUBLIC

[Signature: Caroline E. Marion]

Purchasing Affidavit (Revised 01/19/2018)



**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, Principal

(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

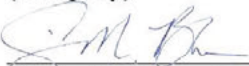
(email address)

**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, Principal

(Printed Name and Title of Authorized Representative)

10/21/2021

(Date)

304-624-4108 | 304-624-7831

(Phone Number) (Fax Number)

Revised 07/01/2021



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

## Main Point of Contact:

Matt Breakey, AIA, NCARB, LEED AP  
Project Manager  
MBreakey@thethrashergroup.com  
304-641-3741  
304-848-6494 x1275



# 9

## OFFICES

in five states:

West Virginia  
Virginia  
Pennsylvania  
Ohio  
Maryland



# 300+

## EMPLOYEES

- 34** Licensed Professional Engineers
- 10** Licensed Professional Surveyors
- 7** Licensed Professional Architects
- 2** Licensed Professional Landscape Architects



# 38

## YEARS

of delivering  
successful  
projects

Diverse services that grow communities.

**THRASHER'S GOT IT.**

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 needed at the Joint Forces Headquarters building in Charleston and will handle them in the following manner:

## ► **GOAL/OBJECTIVE 1**

With the well-rounded and diverse team that Thrasher has assigned to this project, we are able to prepare complete design for the renovations of office areas, restroom renovations, and interior LED lighting in this facility. Thrasher has experienced professional architects and engineers in-house to cover each discipline needed by the Army National Guard: from electrical engineers to interior designers, Thrasher's got it.

## ► **GOAL/OBJECTIVE 2**

Thrasher's team is able to take on the responsibility of researching and investigating the location of all utilities above or underground. Our team can provide drawings and specifications of any and all utilities as required for this project.

## ► **GOAL/OBJECTIVE 3 AND 4**

We will provide revised drawing specifications and cost estimates at 35%, 65%, 95% and 100%. Additionally, with a dedicated Construction Estimator and Construction Administrator on the team, Thrasher is able to provide all bid and administrative services to the WV Army National Guard

Thrasher's goal is always to complete projects on-time and within budget for our clients, and we have a long history of achieving that goal. Throughout this Expression of Interest, you will see projects that illustrate these qualities and represent successful outcomes. While achieving this isn't always an easy task, our tried-and-true project approach is what consistently gets us to that end result.

Thrasher will establish a design kick-off meeting with the WVDNR and key members of our project team to review the project and clearly define the Scope of Services. Following contract approval, our team will take the following steps to ensure completion:

## EVALUATION & ASSESSMENT

### Identification of Project Goals:

- > Gain understanding of specific needs
- > Discuss preliminary program, scheduling targets, and budgetary limitations
- > Determine and prioritize general needs

### Survey and Document Existing Property Conditions:

- > Field survey, measure and record existing conditions
- > Produce an accurate three-dimensional model (BIM) of the existing property, including site plan, building plans of each floor and building elevations

### Initial Environmental Assessment:

- > Identify potentially hazardous materials in areas affected by proposed improvements, and collect samples as applicable

### Stormwater Management Assessment:

- > Inspect existing conditions of site, roof, and building envelope to identify needed corrective work and verify adequacy of stormwater collection system

### Electrical, Mechanical and Plumbing Systems Assessment:

- > Verify existing conditions and system adequacy
- > Lighting
- > Incorporate existing systems into BIM model

### Structural Assessment

### Life Safety Assessment

- > Fire Protection
- > Egress

### Architectural Assessment

- > Building Envelope
- > Finish Upgrades

## REPORT

### Overall Plans and Report:

- > Report that reviews findings, presents recommendations for phasing of work with anticipated schedules and associated funding
- > Identify code deficiencies and propose design solutions to correct issues



- > Important considerations in developing plans for improvements:
  - » Existing building conditions and required upgrades
  - » Maintaining historic integrity and character
  - » Reasonable, justifiable, economy-minded approaches
  - » Utilizing sustainable construction practices
  - » Establishing specific goals for, or comparable to, LEED credits
  - » Minimizing disruption to building occupants during the Work
  - » 'Constructibility' considerations such as contractor storage and staging, removal of demolition materials and delivery of new construction materials

## Programming:

- > General needs anticipated for the various project phases
- > Specific Tenant programming; spatial needs, functional relationships, and anticipated occupants

## DESIGN

For each phase of work the following would be performed as requested:

### Schematic Design Phase:

- > Review previously completed program, drawings, and estimate for work to be completed and update as necessary
- > Indicate the general improvements proposed, including demolition and renovation work
- > Schematic plans and elevations
- > Preliminary 3D images of areas where aesthetics are a prime consideration
- > Preliminary cost estimates
- > Preliminary construction schedules
- > Meetings with Owner to review for revisions
- > Revise to achieve approval of design and scope of work

### Design Development Phase:

- > Drawings indicating the proposed scope of work and the design intent in greater detail
- > Outline specifications indicating proposed systems and general level of quality, often with 'basis-of-design' information
- > Design solutions to required mechanical, electrical and plumbing work
- > Design renderings and/or animations that approximate the completed work
- > More detailed construction cost estimate
- > Proposed construction schedule
- > Considerations include;
  - » Building, Life Safety, Accessibility code compliance
  - » Material acquisition and delivery times
  - » Industry design trends vs. traditional methods
  - » Flexibility for future technological advancements
  - » Sustainability practices
  - » System reliability
  - » Maintenance requirements
  - » Budget limitations and expiration of funds
  - » Maximizing environmental comfort for building occupants

- » Get natural light as far into the building as possible
- » Potential bidders (contractors)
- > Review outline specifications for systems and materials with Agency Procurement Officer
- > Preliminary code review with State Fire Marshal
- > Review design intent with Capitol Building Commission
- > Meetings with Owner to review plans and specifications
- > Revise to further refine design and scope of work

## Construction Document Phase:

- > Complete Construction Documents
- > Detailed drawings include all necessary information for bidding and construction; hazardous material abatement plans (as required), site plans, demolition plans, structural plans, floor plans, ceiling plans, sections and details, schedules, standards, etc.
- > Detailed specifications for all systems and materials to give bidders unambiguous requirements for bidding and construction. Unless indicated otherwise by the Owner, specifications for systems and materials will be quality and performance-based and allow for multiple vendors to compete
- > Final construction cost estimate
- > Final construction schedule
- > Develop qualification requirements for prospective bidders
- > Formal submissions to AHJ's for review
  - State Fire Marshal's Office
  - Capitol Building Commission
  - Agency review committees
  - Municipal Building Permit agencies (as applicable)
  - Health Department (as applicable)
  - Meetings with Owner to review Bid Documents

## CONSTRUCTION

### Bid Phase:

- > Prepare formal Advertisement for Bids
- > Provide Bid Documents
- > Conduct Bid Opening
- > Evaluate Bid results
- > Reviewing and verifying bidder qualifications

### Construction Administration:

- > Prepare Contracts, Notices of Award, Notices to Proceed
- > Respond to Requests for Information
- > Review and approval of Submittals and Shop Drawings
- > Perform regular site visits to verify quality of work and compliance with Contract Documents
- > Review and approve Applications for Payment
- > Prepare media to assist Owner/Agency/Tenant with selection of interior finishes and colors
- > Perform Substantial and Final Completion walk-throughs and develop applicable Certificates

Communication throughout any project is a primary key to success. To that end, Thrasher will begin communication with 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 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 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 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 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 construction representative on a weekly basis.



## 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.

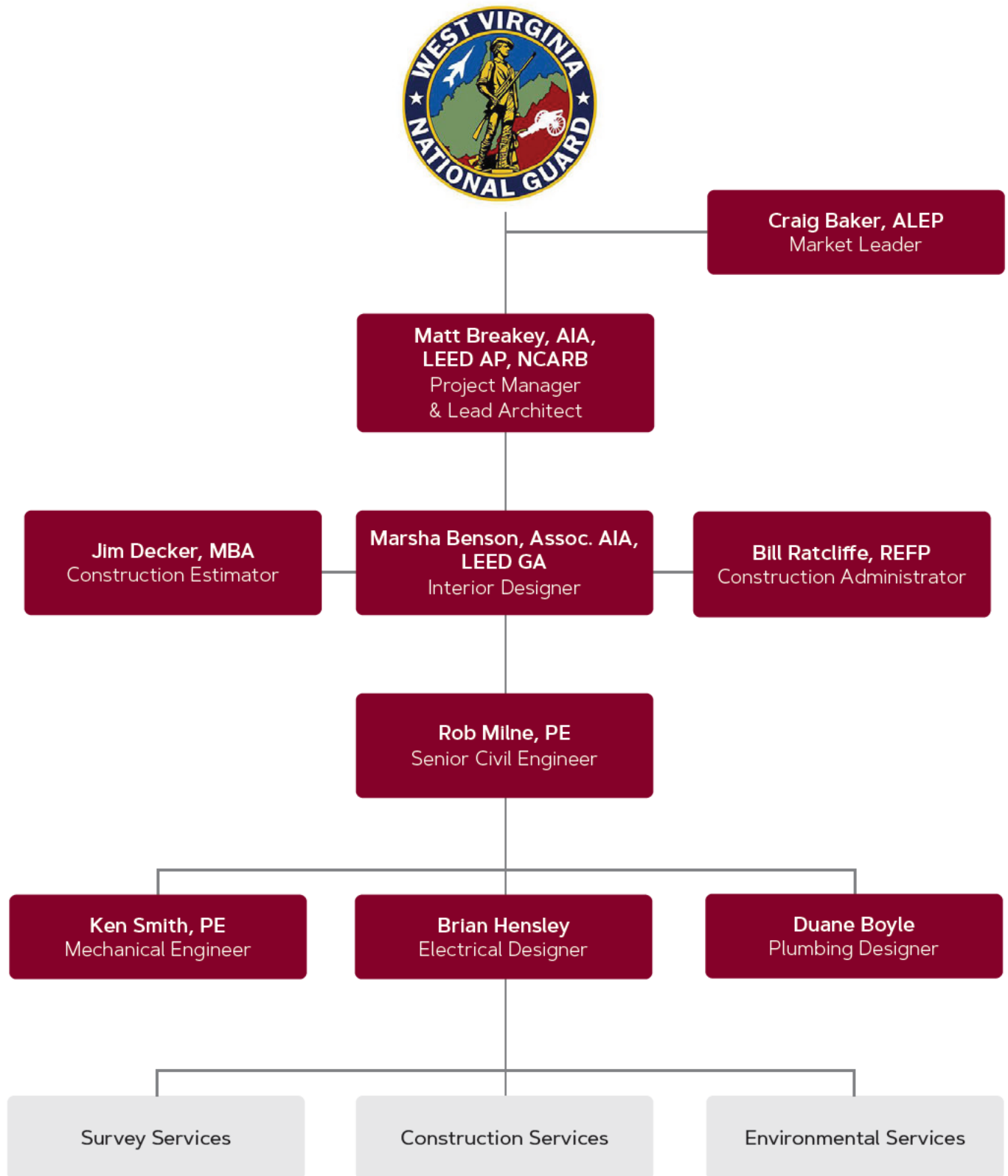
And our estimates go beyond the typical system - rather than simply providing cost per foot or lump sum price, Thrasher will provide contractor-grade estimates that look at every part of the project. We do detailed take-offs of materials and look at every man hour needed to complete a project and factor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



## 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.



## Buildings and Facilities Market Leader

**Education**

Bachelor of Science,  
Architectural Engineering  
Fairmont State University

Advanced Certificate,  
Educational Facilities Planning  
San Diego State University

**Certifications**

- > 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****VA Building 7 Renovations**

Role: Principal

- > Harrison County, WV

**Marion County Health  
Department Renovations  
and Addition**

Role: Principal

- > Marion County, WV

**Calhoun-Gilmer County  
Career Center Renovations**

Role: Principal

- > Calhoun County, WV

**Pendleton County  
Courthouse Remodeling and  
Facility Upgrades**

Role: Principal

- > Pendleton County, WV

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

Role: Principal

- > Wetzel County, WV

**North Central West Virginia  
Airport Security Checkpoint  
and Waiting Room  
Renovations**

Role: Project Manager

- > Harrison County, WV

**Wirt County High School  
New Roof, HVAC, and Fire  
Alarm Replacement**

Role: Principal

- > Wirt County, WV

**Marshall County Commission  
Veterans Plaza**

Role: Principal

- > Marshall County, WV



Project Manager and Lead Architect



## 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)

## Certifications

- > NCARB Certification

## Trainings

- > WVHDF Fair Housing Act and ADA Training
- > Green Housing Training

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

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

Role: Lead Architect

- > Wetzel County, WV

**Doddridge County  
Commission New  
Administrative Annex**

Role: Project Manager

- > Doddridge County, WV

**City of Morgantown Public  
Safety Building Renovations**

Role: Project Manager

- > Monongalia County, WV

**Calhoun-Gilmer Career  
Center Phase III Renovations**

Role: Project Manager

- > Calhoun County, WV

**Doddridge County  
Commission Courthouse  
Renovations**

Role: Lead Architect

- > Doddridge County, WV

**Harrison County Courthouse  
Interior and Exterior  
Renovations**

Role: Lead Architect

- > Harrison County, WV

**Alderson Elementary School  
Renovations**

Role: Project Manager

- > Greenbrier County, WV

**Federal Correctional  
Institute: Hazelton Medium  
Security Facility**

Role: Project Architect

- > Preston County, WV

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

Role: Senior Project Manager

- > Monongalia County, WV

Project Manager and Lead Architect

## The West Virginia Board of Architects

certifies that

MATTHEW BREakey

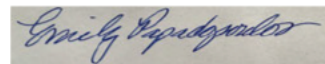
is registered and authorized to practice  
Architecture in the State of West Virginia.

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

Certificate Number



*The registration is in good standing until June 30, 2020.*

A handwritten signature in blue ink, reading "Emily Papadopoulos".

Board Administrator



## Interior Designer



Marsha Benson, Assoc. AIA, LEED GA is an emerging professional that brings energy and enthusiasm to each project. As a drafter and designer she is able to effectively communicate with clients and problem solve to achieve the desired outcome. She has worked on variety of projects at Thrasher including office buildings, educational buildings, and government buildings from schematic design to construction documents and construction administration. Marsha values the work that she does and makes it her goal to enhance lives through Architecture.

### Education

Master of Architecture,  
North Carolina State University

Bachelor of Science,  
Architecture  
Fairmont State University

### Certifications

- > Certificate in City Design,  
North Carolina State  
University, 2014
- > Associate Member of  
the American Institute of  
Architects
- > LEED GA

In addition to her building design expertise, Marsha has an eye for interior design. She has become Thrasher's primary interior designer, providing the perfect finishing touches for the spaces our team creates.

### Experience

#### Doddridge County Commission Courthouse Renovations

Role: Drafting and Design  
> Doddridge County, WV

#### Chapmanville Primary Renovations

Role: Project Designer  
> Logan County, WV

#### Preston County High School HVAC Improvements

Role: Project Designer  
> Preston County, WV

#### Roane County Schools Roof Repairs and Improvements

Role: Interior Designer  
> Roane County, WV

#### Tri-State Airport Authority Huntington Tri-State Airport Elevator Tower

Role: Drafting and Design  
> Cabell County, WV

#### Marshall County Commission Veterans Plaza

Role: Technical Designer  
> Marshall County, WV

#### City of Morgantown Hazel Ruby McQuain Park Building Improvements

Role: Project Designer  
> Monongalia County, WV

#### Boy Scouts of America JW and Hazel Ruby Welcome Center

Role: Project Designer  
> Fayette County, WV

#### Valley Health Care System Ryan Brown Residential Treatment Facility

Role: Interior Designer  
> Monongalia County, WV

#### Fairmont State University CVB Bridgeport 2nd Story Renovations

Role: Drafting and Design  
> Harrison County, WV

Senior Civil Engineer



## Education

Master of Science,  
Civil Engineering  
West Virginia University

Bachelor of Science,  
Civil Engineering  
West Virginia University

## Registrations

Professional Engineer:

- > West Virginia
- > Pennsylvania
- > Virginia
- > Maryland

## Affiliations

- > Leadership Monongalia County, WV
- > Foundations of Leadership/ National Leadership Institute
- > USACE-Access Control Point Design Training Course
- > ODOT Non-complex Roadway Design prequalification
- > ODOT Complex Roadway Design prequalification
- > ODOT Bridge Design Level 1.1/1.2 prequalification

Robert Milne, PE has over 30 years of experience working with both public and private clientele throughout the Mid-Atlantic region to develop millions of dollars' worth of commercial, industrial, residential, and mixed-use sites. Rob's in-depth understanding of site layout, design, permitting, and funding have enabled him to complete several complex projects that have boosted economic development and delivered safe, sustainable building sites.

In addition to his engineering expertise, Rob serves as an experienced Senior Project Manager for Thrasher. His years of hands-on experience and in-depth knowledge is an asset for his clients. Rob uses this knowledge to oversee every aspect of his projects, including design standards, staff assignments, project schedules, and client communication. He takes the time to understand the needs of each client and finds specific solutions to their problems and provide a high-quality experience.

## Experience

**DEA Academy Flexible Operations Facility**

**Fieldhouse Improvements**

Role: Civil Engineering Lead

- > Quantico, VA

**Quantico Military Base**

**Pad Design and**

**Stormwater Features**

Role: Project Manager

- > Quantico, VA

**Bluegrass Army Depot**

Role: Project Manager

- > Madison County, KY

**Fort Leavenworth AIE**

Role: Project Manager

- > Leavenworth County, KS

**Fort Meade AIE**

Role: Project Manager

- > Anne Arundel County, MD

**Camp Upshur**

**Marine Corps Base**

Role: Project Manager

- > Prince William County, VA

**New Building at FBI Quantico**

Role: Project Manager

- > Quantico, VA

**Fayette County 911 Center**

Role: Project Manager

- > Fayette County, WV

**City of Beckley**

**New Police Station**

Role: Task Leader Site/Civil

- > Raleigh County, WV

**New Northside Fire Station**

Role: Project Manager

- > Monongalia County, WV

Senior Civil Engineer

<b>Name:</b>	ROBERT R. MILNE
<b>WV Professional Engineer:</b>	<b>PE License Number:</b> [REDACTED]
	<b>PE License Status:</b> Active
	<b>PE Issue Date:</b> 07/28/1999
	<b>PE Expiration Date:</b> 12/31/2022
<b>Continuing Education Claim:</b>	<b>Qualifying Hours from Last Renewal or Reinstatement:</b> 32.00
	<b>Carryover Hours for Next Renewal:</b> 2.00
	<b>Last Renewal or Reinstatement Date*:</b> 05/06/2021
<b>WV Engineer Intern:</b>	<b>EI Certification Number:</b> [REDACTED]
	<b>EI Issue Date:</b> 07/01/1998
<b>Primary Address of Record:</b>	[REDACTED]
<b>Primary Employer of Record:</b>	THE THRASHER GROUP, INC. 600 WHITE OAKS BOULEVARD PO BOX 940 BRIDGEPORT, WV 26330
	<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>

## 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****WVU ROTC Relocation**

Role: Construction Estimator  
> Monongalia County, WV

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

Role: Construction Estimator  
> Wetzel County, WV

**Marion County Health  
Department Renovations**

Role: Construction  
Administrator  
> Marion County, WV

**Fairmont State University  
Library Addition and  
Renovations**

Role: Construction Estimator  
> Marion County, WV

**Fairmont State University  
Engineering Building  
Addition and Renovations**

Role: Construction Estimator  
> Marion County, WV

**Morgan County  
EMS Renovations**

Role: Construction Estimator  
> Morgan County, WV

**Ritchie County Middle/High  
School Renovations**

Role: Construction Estimator  
> Ritchie County, WV

**Doddridge County  
Middle School  
Science Lab Renovation**

Role: Construction Estimator  
> Doddridge County, WV

**MVA Shinnston Clinic  
Renovations**

Role: Construction Estimator  
> Harrison County, WV

**Harrison County  
Commission Courthouse  
HVAC Replacement**

Role: Construction Estimator  
> Harrison County, WV

## 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 (REFP)

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

#### **New Rupert Elementary and Renovations and Additions to Western Greenbrier Middle School**

Role: Construction  
Administrator

> Greenbrier County, WV

#### **Doddridge County Elementary Safe School Entrance and Office Renovations**

Role: Construction  
Administrator

> Hardy County, WV

#### **Fairmont State University Jaynes Hall Renovations**

Role: Construction  
Administrator

> Marion County, WV

#### **Central WV Regional Airport Authority Yeager Terminal Security Enhancements**

Role: Construction  
Administrator

> Kanawha County, WV

#### **Doddridge County Commission Courthouse Renovations**

Role: Construction  
Administrator

> Doddridge County, WV

#### **Baker Heights Fire Station**

Role: Contract Administrator

> Berkeley County, WV

#### **WVU Robert C. Byrd Testing Center Renovations, Charleston Area Medical Center**

Role: Construction  
Administrator

> Kanawha County, WV

#### **Harrison County Commission Courthouse HVAC Replacement**

Role: Construction  
Administrator

> Harrison County, WV



## 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**

**State of West Virginia  
Building 23 Evaluation**

Role: Mechanical Engineer  
> Raleigh County, WV

**Yeager Airport  
Restroom Renovations**  
Role: Project Engineer  
> Kanawha County, WV

**Calhoun-Gilmer  
Career Center  
Restroom Renovations**  
Role: Project Engineer  
> Calhoun County, WV

**Eastern WV Regional Airport  
Authority Hangar Renovation**  
Role: Mechanical Engineer  
> Berkeley County, WV

**Doddridge County  
Maintenance Building**  
Role: Mechanical Engineer  
> Doddridge County, WV

**DEA Academy Flexible  
Operations Facility  
Fieldhouse Improvements**  
Role: Mechanical Engineer  
> Quantico, VA

**Hardy County Public Service  
District Office Building**  
Role: Mechanical Engineer  
> Hardy County, WV

**Roane County Schools  
Safe School Entrance and  
Office Renovation**  
Role: Mechanical Engineer  
> Roane County, WV

**City of Charleston  
Police Station Renovation**  
Role: Mechanical Engineer  
> Kanawha County, WV

**Harrison County  
Public Safety Building**  
Role: Project Engineer  
> Harrison County, WV

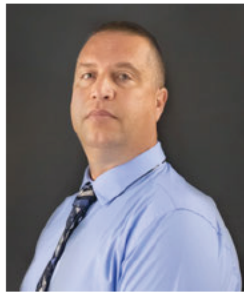
Mechanical Engineer

## Licensure Verification

### Search: Details

Name:	KENNETH E. SMITH
WV Professional Engineer:	PE License Number: [REDACTED]
	PE License Status: Active
	PE Issue Date: 07/16/1992
	PE Expiration Date: 12/31/2022
Continuing Education Claim:	Qualifying Hours from Last Renewal or Reinstatement: 52.50
	Carryover Hours for Next Renewal: 15.00
	Last Renewal or Reinstatement Date*: 12/17/2020
WV Engineer Intern:	EI Certification Number:
	EI Issue Date:
Primary Address of Record:	[REDACTED]
Primary Employer of Record:	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>

## Electrical Designer



### Education

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

### Certifications

- > Underground Coal Miner  
3-13715, Surface Coal Miner  
3-9346, Certified
- > Electrician Low/Medium/  
High 3-219, Surface Mine  
Foreman S-3824-04, Class
- > 33 EMT-M, Certified  
Unlimited Instructor EC,EE,IS,IU
- > AEP Class C Substation

### Trainings

- > P&H Mining Equipment  
4100XPB Mechanical and  
Electrical
- > Rockwell Automation  
PLC5 Maintenance and  
Troubleshooting
- > Rockwell Automation  
SLC500 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

#### City of Charleston Police Station Renovations

Role: Electrical Designer  
> Kanawha County, WV

#### Roane County Schools Safe School Entrances and Office Renovation

Role: Electrical Engineer  
> Roane County, WV

#### Calhoun-Gilmer Career Center Restroom Renovations

Role: Electrical Designer  
> Calhoun County, WV

#### Calhoun-Gilmer Career Center Annex Renovations

Role: Electrical Designer  
> Calhoun County, WV

#### Chapmanville Towers Senior Housing Renovation

Role: Electrical Engineer  
> Logan County, WV

#### Parkland Place Senior Housing Renovation

Role: Electrical Engineer  
> Wood County, WV

#### Dominion Energy Mount Storm Office Building

Role: Electrical Engineer  
> Grant County, WV

#### Boy Scouts of America Steve A. Antoline Conservation Center

Role: Electrical Engineer  
> Fayette County, WV

#### Boy Scouts of America John Tickle Training Center

Role: Electrical Engineer  
> Fayette County, WV

#### Hatfield-McCoy Regional Recreation Authority Ashland Resort

Role: Electrical Engineer  
> McDowell County, WV

#### Pocahontas Memorial Hospital Rural Health Addition

Role: Electrical Engineer  
Pocahontas County, WV



## Plumbing Designer



### Education

Associate Degree,  
Mechanical Design  
Ashland Regional Technology  
Center

### Certifications

> Mechanical Drafting,  
AutoCAD R13&14

### 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

**DEA Academy Flexible  
Operations Facility  
Fieldhouse Improvements**  
Role: Plumbing Designer  
> Quantico, VA

**Yeager Airport  
Restroom Renovations**  
Role: Plumbing Designer  
> Kanawha County, WV

**Calhoun-Gilmer Career and  
Technical Center  
Restroom Renovations**  
Role: Plumbing Designer  
> Calhoun County, WV

**WV Office of Miners' Health  
Safety and Training  
Kitchen Renovations**  
Role: Plumbing Designer  
> Kanawha County, WV

**Carl D Perkins  
Apartments Renovations**  
Role: Plumbing Designer  
> Pike County, KY

**Boy Scouts of America  
Steve A. Antoline  
Conservation Center**  
Role: Plumbing Designer  
> Fayette County, WV

**Roane County Schools  
Safe School Entrances and  
Office Renovations**  
Role: Plumbing Designer  
> Roane County, WV



## WV GENERAL SERVICES DIVISION Building 23 Renovation

### Client Contact:

Mr. Michael Evans  
Manager of Architecture and Engineering  
General Services Division, State of West Virginia  
304-558-1475

The Thrasher Group was hired by the State of West Virginia General Services Division to provide an evaluation on WV Building 23 in Beckley. It is a four-story, 44,000+ square foot building that houses the WV DHHR, WV Tax and Revenue, and Veteran's Affairs. Thrasher worked with Allegheny Design Services (ADS) to perform an internal and external evaluation on the building and provided an extensive assessment report.

### The report included the following:

- > Overview
- > Building Code and Data
- > Building envelope observations and recommendations
- > Interior observations and recommendations
- > Life Safety egress evaluation and recommendations
- > Elevator evaluations and recommendations
- > Mechanical systems evaluation and recommendations – ADS
- > Electrical systems evaluation and recommendations – ADS
- > Plumbing systems evaluation and recommendations – ADS
- > Lighting evaluation and recommendations – ADS
- > Structural evaluation and recommendations – ADS





## MARION COUNTY HEALTH DEPARTMENT Complete Renovation (Interior and Exterior)

### Client Contact:

Mr. Lloyd White, Director  
330 2nd Street | Fairmont, WV 26554  
304-366-3360



This project included a complete gut and renovation of the existing Marion County Health Department. Major components included a new fire alarm system, mass notification system, a new sprinkler system, all new interior partitions, new finishes, new windows, new exterior doors, a new elevator, and entrance lobby addition. The facility is an approximately 24,000 SF, three story building. The Health Department now has more exam rooms, a large waiting room, and record storage on the first floor. The second floor consists of administrative offices while the third floor is being rented out for private tenant office space.



Along with the complete renovation of the existing building and all new HVAC, a complete electrical renovation was done. This electrical service included all new lighting, switches, outlets and other miscellaneous items. A three-story addition was added to the building to house the waiting room, egress stair tower, and elevator. All restrooms in the facility were demolished and remodeled.

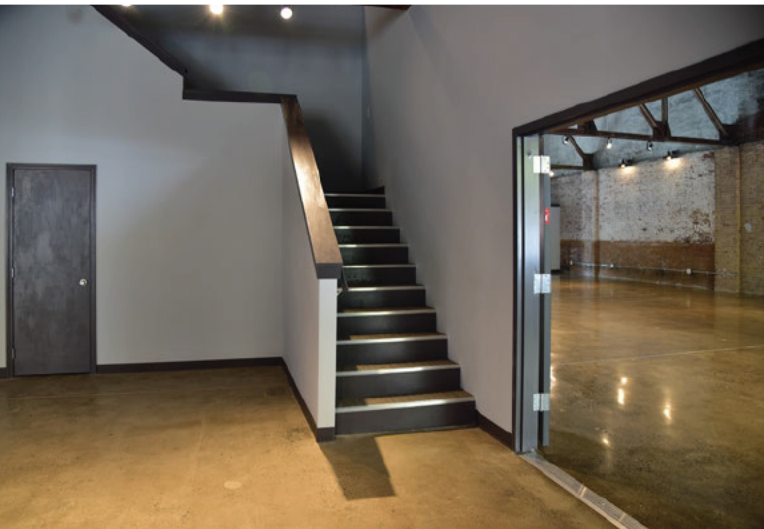


## JACK CAFFREY ARTS AND CULTURAL CENTER

### Adaptive Reuse Renovation

#### Client Contact:

Mr. Craig Snow, Executive Director  
Warrior Creek Development  
253 Main Caretta Road | War, WV 24892  
304-8754821



Located at 168 Wyoming Street in downtown Welch, WV, the Jack Caffrey Arts and Cultural Center consists of a second-level renovation and reuse of approximately 7,500 square feet. Originally a Post Office and later an automobile dealership, the historic structure greets visitors with a two-story interior made of exposed brick masonry walls, polished concrete floors, and large-span steel Pratt trusses supporting the roof. Large, existing window openings were replaced with new aluminum storefront glazing, allowing an abundance of natural light into the space. This warm, welcoming atmosphere makes for a perfect meeting area.



In addition to the aesthetic renovations, Thrasher's work on the Center created a safer environment in the building. The roof was replaced with a new membrane protecting to preserve the structure for many years to come. A second exit stair was uncovered and enclosed as well to improve the health, safety, and welfare of the building occupants.



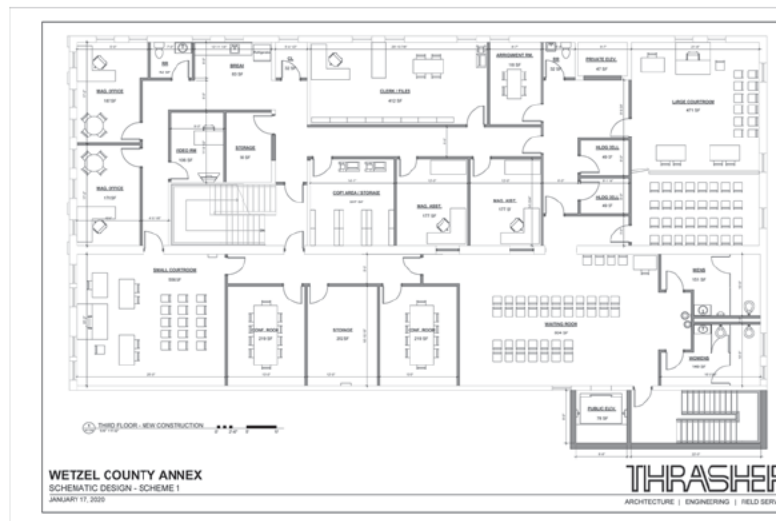
## WETZEL COUNTY COMMISSION Shiben Building Judicial Annex Renovation

### Client Contact:

Wetzel County Commission,  
200 Main Street | New Martinsville, 26155  
304-455-8217

The historic Shiben building in downtown New Martinsville, WV will be renovated to house the Wetzel County Circuit Court and supporting offices. The project consists of using these, once separate buildings, as one main building. While there is much that will be renovated, it was also important to the client that some original details remain intact and act as showcase features, such as the original metal pan ceilings, which will be featured in the courtrooms.

Renovations will also include security, new vertical circulation, and another important feature is the accessibility access we're creating at the main and back entrance, to support this work as well as future phases. These phases will include family court and other judicial County offices. Phase one work is currently in the design phase and is expected to be completed in 2021.





## WEST VIRGINIA UNIVERSITY ROTC Renovations

**Client Contact:**  
Mr. Scott Owen, Project Engineer  
Scott.Owen@mail.wvu.edu  
304- 293-7478

This project included the selective demolition and renovation of existing garage buildings and townhomes for renovation into office space. The work generally included demolition of existing wood stud partitions and construction of new wood stud partitions. It also included replacement of existing light fixtures, addition of new light fixtures, and relocation of other electrical systems, such as switches, electrical receptacles, data/telecomm receptacles, and others. The rerouting of mechanical and plumbing systems was also involved in the project.





## YEAGER AIRPORT Restroom Renovations

### Client Contact:

Mr. Nick Keller, Airport Director  
100 Airport Rd., Suite 175 | Charleston, WV 25311  
304-344-8033

The Thrasher Group was asked by Yeager Airport to redesign and renovate all existing public restrooms throughout the terminal. This includes a total of four men's and women's restrooms located in the Ticket Lobby and throughout Gates A, B, and C, with an additional family restroom added to Gate B. The scope for each restroom includes new tile finishes, fixtures, accessories, ceilings, and lighting.



## PLEASANTS COUNTY MIDDLE SCHOOL Restroom Renovations

### Client Contact:

Mr. Michael Wells, Superintendent  
1565 S. Pleasants Highway | St. Marys, WV 26170  
304-684-7099

Thrasher has provided a multitude of services at Pleasants County Middle School over the last several years through the span of a three-phased project. Phase One and Phase Two both featured restroom renovations. The first portion of the project saw the complete renovation of four student restrooms, with interior demolition and renovation in each. The second phase of work included gutting and renovating the restroom, shower area, and locker rooms off of the school's pool. This included all new fixtures, new flooring, new ceiling, and new lighting.





THRASHER