



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: 1451604

Procurement Type: Central Purchase Order

Vendor ID: 000000204787

Legal Name: THE THRASHER GROUP INC

Alias/DBA:

Total Bid: \$0.00

Response Date: 07/09/2024

Response Time: 10:52

Responded By User ID: Thrasher

First Name: Anjelica

Last Name: D'Annunzio

Email: adannunzio@thethrasher.org

Phone: 304-624-4108

SO Doc Code: CEOI

SO Dept: 0603

SO Doc ID: ADJ2400000008

Published Date: 6/24/24

Close Date: 7/9/24

Close Time: 13:30

Status: Closed

Solicitation Description: Williamstown AASF No.1 Hangar Addition Design EOI

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:** 1451604  
**Solicitation Description:** Williamstown AASF No.1 Hangar Addition Design EOI  
**Proc Type:** Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2024-07-09 13:30	SR 0603 ESR07092400000000202	1

**VENDOR**  
 000000204787  
 THE THRASHER GROUP INC

**Solicitation Number:** CEOI 0603 ADJ2400000008  
**Total Bid:** 0  
**Response Date:** 2024-07-09  
**Response Time:** 10:52:38  
**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	Williamstown AASF No.1 Hangar Addition Design 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

Williamstown AASF #1 Hangar Addition  
CE01 0603 ADJ24\*08

**Submitted by:**  
The Thrasher Group, Inc.  
July 9, 2024

July 9, 2024

Attn: Mr. David Pauline, Buyer  
Electronic Upload  
via wvOASIS

*RE: West Virginia Army National Guard — Williamstown AASF No. 1 Hangar Addition*

Dear Mr. Pauline and Members of the Selection Committee:

The West Virginia Army National Guard is looking for a firm to provide plans for an addition to their Williamstown Army Aviation Support Facility #1, and The Thrasher Group is the firm for the job. Our presence in the area, as well as our history working with WVANG at their Williamstown facility previously, will be key in Thrasher's ability to provide the results that the WVANG is looking for.

Our aviation team here at Thrasher is the engineer of record for the Mid-Ohio Valley Regional Airport, which the Williamstown AASF #1 facility shares a runway with. This means we are at the facility often and can respond quickly to anything that the WVANG may need. We also recently provided apron upgrades at the Williamstown facility itself. This familiarity with the area, as well as our team's track record of success in renovation projects, will help this project succeed. Our architecture team has handled a wide variety of hangar projects in the past, as well as all types of renovations and additions, so no matter what the WVANG may need in this project, you can trust that Thrasher will be able to deliver.

As a full-service consulting firm, we can ensure that all aspects of this project are successful and completed to the highest ability. Whether the structural engineering needed to support an expansion or the knowledge of the intricacies involved with working on an airfield, our employees are qualified to bring this project to life to the WVANG's standards. We look forward to the possibility of collaborating with you on this project. Thank you for considering Thrasher as the firm you choose as your partner.

Sincerely,  
The Thrasher Group, Inc.



Bill Cook, AIA, NCARB, LEED AP  
Project Manager and Architect

**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.

(Printed Name and Title) Craig Baker, Principal

(Address) 600 White Oaks Blvd. | Bridgeport, WV 26301

(Phone Number) / (Fax Number) 304-624-4108 / 304-624-7831

(Email address) cbaker@thethrashergroup.com

**CERTIFICATION AND SIGNATURE:** By signing below, or submitting documentation through *wvOASIS*, I certify that: I have reviewed this Solicitation/Contract in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation/Contract for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that this bid or offer was made without prior understanding, agreement, or connection with any entity submitting a bid or offer for the same material, supplies, equipment or services; that this bid or offer is in all respects fair and without collusion or fraud; that this Contract is accepted or entered into without any prior understanding, agreement, or connection to any other entity that could be considered a violation of law; that I am authorized by the Vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on Vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

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

The Thrasher Group, Inc.

(Company)



(Signature of Authorized Representative)

Craig Baker, Principal July 2, 2024

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

304-624-4108 / 304-624-7831

(Phone Number) (Fax Number)

cbaker@thethrashergroup.com

(Email Address)

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: ADJ24\*08**

**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:**

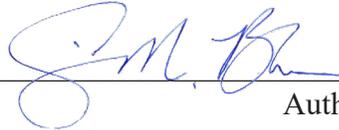
(Check the box next to each addendum received)

- |  |  |
|--|--|
| <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 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

July 2, 2024

Date

STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

**MANDATE:** 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 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: July 2, 2024

State of West Virginia

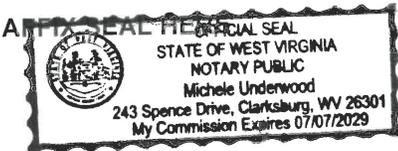
County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 2 day of July, 2024.

My Commission expires JULY 7, 2029

NOTARY PUBLIC [Signature: Michele Underwood]

*Purchasing Affidavit (Revised 07/01/2012)*





300+

EMPLOYEES

- 36 Licensed Professional Engineers
- 10 Licensed Professional Surveyors
- 7 Licensed Professional Architects
- 3 Licensed Professional Landscape Architects

MAIN POINT OF CONTACT:

Bill Cook, AIA, NCARB, LEED AP  
 Project Manager and Architect  
 bcook@thethrashergroup.com  
 Cell: 304-203-2449  
 Office: 304-624-4108



40+

YEARS

of delivering successful projects



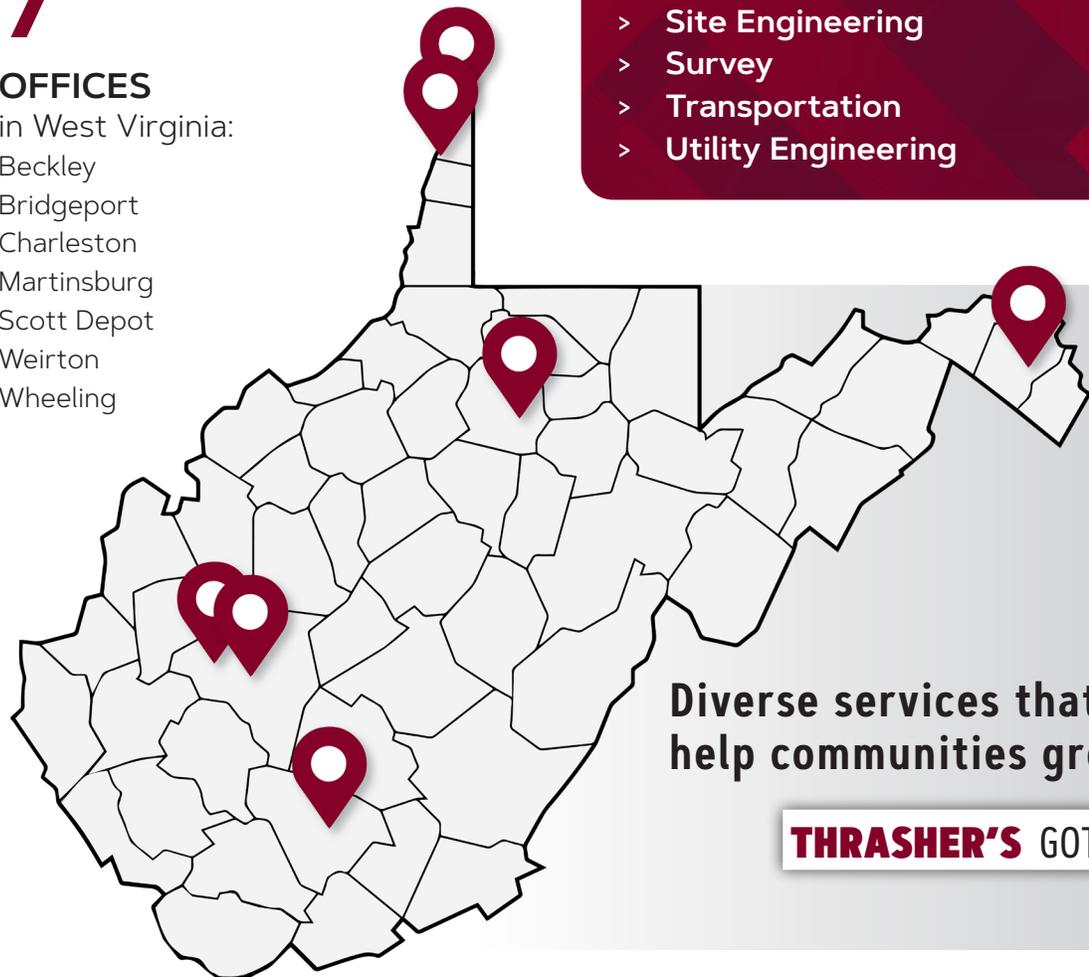
7

OFFICES

- in West Virginia:
- Beckley
  - Bridgeport
  - Charleston
  - Martinsburg
  - Scott Depot
  - Weirton
  - Wheeling

OUR SERVICES

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



Diverse services that help communities grow.

THRASHER'S GOT IT

A critical step in meeting your goals is first ensuring we understand your vision for the project. Thrasher's team has thoroughly reviewed the expression of interest request and is confident in our ability to deliver the highest-quality solutions for your needs. 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 a hangar addition at Williamstown and will handle them in the following manner:

## ▶ GOAL 2.1

We recognize that this project is in the preliminary stages, with the West Virginia Army National Guard using this first step as away to further their goals. With that in mind, Thrasher will prepare a 35% design that conveys the project concept and anticipated cost estimates. These documents will be used not only for preliminary design purposes, but – perhaps more importantly – as a way to help secure funding for the rest of the project's design and construction.

## ▶ GOAL 2.2

As the architect of record for this work, Thrasher will lead all aspects of the project. Our staff will coordinate with our long-time partners NGE to handle any necessary geotechnical engineering. We will also ensure all appropriate utilities research is completed and infrastructure drawings are provided as needed.

## ▶ GOAL 2.3

Should the West Virginia Army National Guard receive the funding necessary to move this project to Phase 2, Thrasher will be available and capable of completing all additional services to make this hangar renovation a success. Our architectural team will continue the design of the building, providing design updates at the 65%, 95%, and 100% milestones. Having worked on countless renovations in the state and with prior experience with the Guard, we will ensure appropriate compliance with all relevant building codes and military force protection regulations.

Once design is complete, Thrasher will use our network of construction contacts to assist with the bidding process. We take a proactive approach to this work, helping to solicit contractors to bid on the project – this allows for a more competitive bid process and provides a better result for the Owner. Upon selection of a contractor, our in-house Construction Administration team will work on the Guard's behalf to ensure that the renovations being built meet the plans and specifications, getting the end product intended.

## ▶ GOAL 2.4

We recognize that this project has the potential to be a multi-phase, multi-year project, with pricing for the design and the architect's fee being dependent upon which phase of the project is underway and whether further funding is obtained.

## ▶ GOAL 2.5

Thrasher will provide the Guard with a 35% design during the initial phase of this project. Should a Phase 2 be undertaken, we will continue the process and provide additional drawings for review at the 65%, 95%, and 100% stages, with cost estimates revised at each stage.

## ▶ GOAL 2.6

As a full-service firm, The Thrasher Group has the capabilities to facilitate the bidding process and provide an on-site Project Representative throughout construction. Our team will help ensure the project moves along seamlessly and the Guard is kept apprised of all progress, with timely updates on any challenges that arise.



## QA/QC Procedure

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

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 in-house professionals, can tell you what something will cost in actuality if the need arises.

**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.

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.

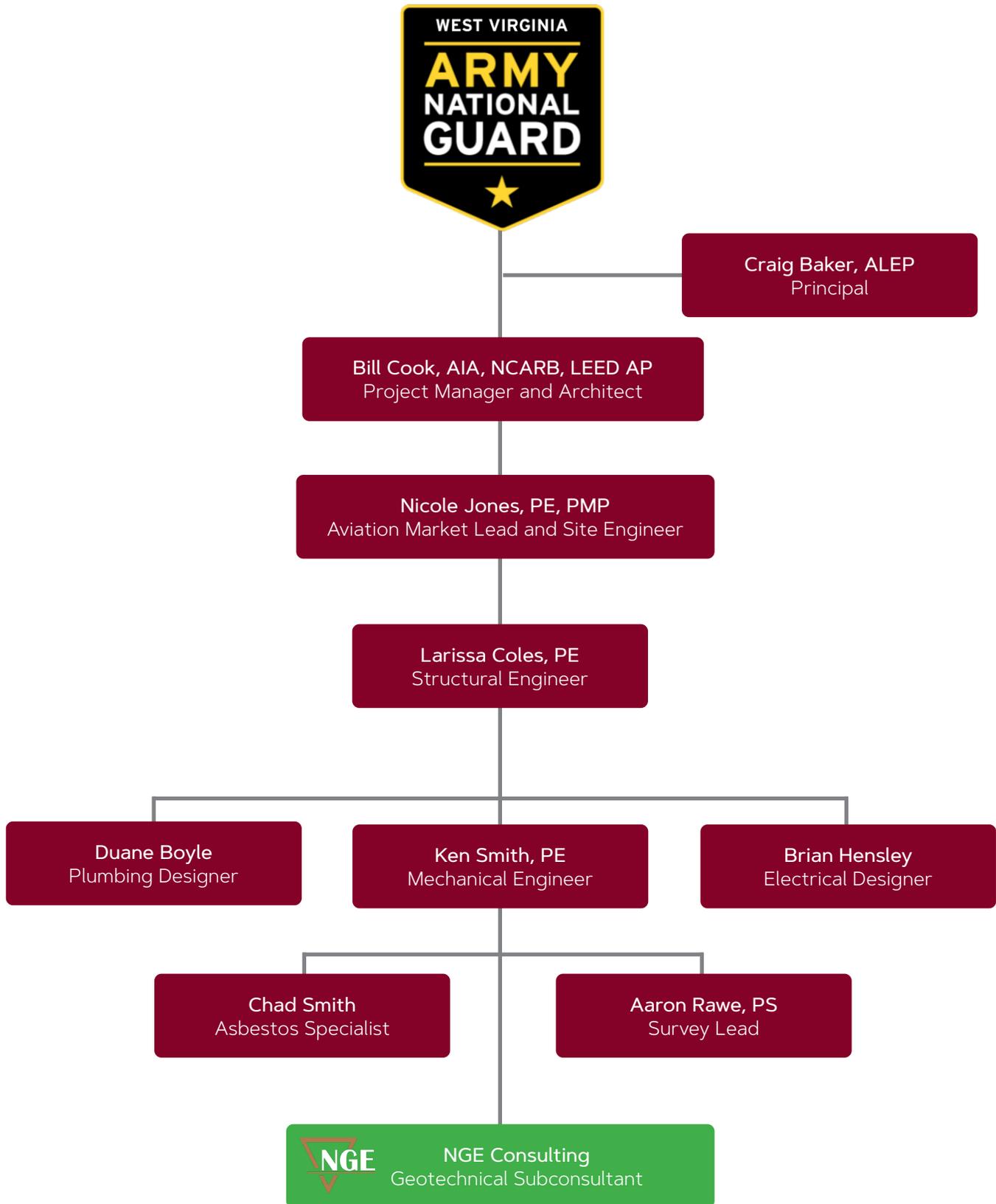
Thrasher has successfully completed several projects for the West Virginia Army National Guard. We bring a comprehensive team of engineers, architects, and landscape architects to design facilities that are not only functional but aesthetic and easy to maintain. This team of multi-disciplinary experts has partnered with the Guard on a variety of project types over the years.

Below is a sampling of the projects we have done for West Virginia Army National Guard.

## Thrasher Projects:

- » Stormwater Pollution Prevention Plan and Spill Prevention, Control, and Countermeasure Plan Development
- » National Pollutant Discharge Elimination System Individual Permit
- » Camp Dawson Stormwater
- » Wheeling Stormwater
- » Vehicle Wash Permits
- » Williamstown Apron Rehabilitation







## CRAIG BAKER, ALEP

PRINCIPAL

### Education

Bachelor of Science,  
Architectural Engineering  
Fairmont State University

Advanced Certificate,  
Educational Facilities Planning  
San Diego State University

### Certifications

- > Accredited Learning  
Environment Planner (ALEP)

### Affiliations

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

## PROFESSIONAL OVERVIEW

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 Architecture 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

**North Central West Virginia Airport New Hangar Construction**  
Project Manager | Harrison County, WV

**North Central West Virginia Airport Terminal Renovations**  
Principal | Harrison County, WV

**Summersville Airport Hangar Repair**  
Project Manager | Nicholas County, WV

**Central West Virginia Regional Airport Authority  
Military Flight Operations Center**  
Project Manager | Kanawha County, WV

**Eastern West Virginia Regional Airport Authority Terminal Renovation**  
Principal | Berkeley County, WV

**North Central West Virginia Airport  
Security Checkpoint and Waiting Room Renovations**  
Principal | Harrison County, WV

**Tri-State Airport Authority  
Huntington Tri-State Airport Elevator Tower**  
Principal | Wayne County, WV

**Central WV Regional Airport Authority  
Yeager Terminal Security Enhancements**  
Principal | Kanawha County, WV



# BILL COOK, AIA, NCARB, LEED AP

PROJECT MANAGER AND ARCHITECT

## Education

Bachelor of Science,  
Environmental Design,  
State University of New York at  
Buffalo

Master of Architecture  
Texas Tech University

## Registrations

Licensed Professional Architect:

- > West Virginia
- > Ohio
- > Pennsylvania

## Affiliations

- > American Institute of  
Architects (AIA)

## PROFESSIONAL OVERVIEW

Bill Cook, AIA, NCARB, LEED AP, has over 25 years of experience as a registered architect and nearly 35 years in the architecture and planning field. He has worked with clients across the region on a variety of project types, including industrial, transportation, and maintenance facilities. Bill has worked on all aspects of these buildings, preferring to be involved from the very beginning of the project to the day the client takes possession and beyond, providing much needed continuity to the process. His experience gives him a refined eye for the design aspects of his work, as well as project construction and feasibility.

Bill brings a strong focus on details and constructability to his designs, and a thorough approach to the management process. As a LEED Accredited Professional, Bill works with clients to find cost saving and sustainable features that will enhance their projects, while providing value in terms of initial investment and long-term cost effectiveness. His educational background combined with his well-executed projects makes him a highly sought-after architect and manager.

## EXPERIENCE

### **New River Gorge Regional Development Authority Pinecrest Office Building**

Project Manager | Raleigh County, WV

### **Wyoming County Economic Development Authority Barkers Creek Development**

Project Architect | Wyoming County, WV

### **Treloar and Heisel Office Renovations**

Project Architect | Lawrence County, PA

### **Charleston Area Alliance LIFT Center Renovations**

Project Architect | Kanawha County, WV

### **Harrison County Economic Development Corporation Harrison Regional Industrial Park**

Project Architect | Harrison County, WV

### **Nicholas County Commission Courthouse Renovation**

Project Manager | Nicholas County, WV

### **City of Morgantown Public Safety Building Renovations**

Project Architect | Monongalia County, WV



## William Cook

<b>Name:</b>	Cook William
<b>Credential ID:</b>	██████
<b>Expiration Status:</b>	Not Expired
<b>Expiration date:</b>	2025-06-30
<b>Renewal Date:</b>	2024-07-01
<b>Disciplinary Action:</b>	N/A

[SHOW ALL RESULTS FOR WILLIAM COOK](#)



# NICOLE JONES, PE, PMP

AVIATION MARKET LEAD AND SITE ENGINEER

## Education

Bachelor of Science,  
Civil Engineering  
West Virginia University

## Registrations

Professional Engineer:

- > West Virginia
- > Project Management Professional (PMP)

## Affiliations

- > WAI Mountain State Chapter Secretary
- > Women in Aviation International (WAI) Member
- > Leadership Monongalia County

## Trainings

- > WAI/Harvard University Emerging Leaders Program

## PROFESSIONAL OVERVIEW

Nicole Jones, PE, PMP, oversees Thrasher's aviation team, serving as Division Lead and Project Manager for various airport improvements across the state of West Virginia and beyond. Nicole has managed a vast array of infrastructure enhancements related to the aviation industry, and helped her clients to secure millions of dollars in grants to complete their upgrades.

For her largest client, the North Central West Virginia Airport, Nicole has designed a variety of upgrades, including a runway safety study, lighting and security upgrades, ramp rehabilitation, terminal improvements, and a runway extension and widening. Her understanding of the permitting and regulatory hurdles that accompany this type of work has enabled Nicole to guide her clients through the design of safe and sustainable projects. Her meticulous design style also draws the attention of Contractors, and results in highly competitive bidding.

## EXPERIENCE

**West Virginia Army National Guard  
Williamstown AASF #1 Apron Upgrades**  
Project Manager | Harrison County, WV

**West Virginia International Yeager Airport  
Terminal Security Enhancements**  
Project Manager and Construction Administration | Kanawha County, WV

**Raleigh County Memorial Airport New Taxiway and Runway Access**  
Project Manager | Raleigh County, WV

**Raleigh County Airport Bunker Gear**  
Project Manager | Raleigh County, WV

**North Central West Virginia Airport Aurora Hangar**  
Project Manager | Harrison County, WV

**North Central West Virginia Airport Area B T-Hangars**  
Project Manager | Harrison County, WV

**North Central West Virginia Airport MHI RJ Hangars**  
Project Manager | Harrison County, WV

**North Central West Virginia Airport Industrial Park**  
Project Manager | Harrison County, WV

**Raleigh County Memorial Airport Terminal Addition**  
Project Manager | Raleigh County, WV

<b>Name:</b>	NICOLE M. JONES
<b>WV Professional Engineer:</b>	<b>PE License Number:</b> [REDACTED]
	<b>PE License Status:</b> Active
	<b>PE Issue Date:</b> 06/15/2015
	<b>PE Expiration Date:</b> 12/31/2024
<b>Continuing Education Claim:</b>	<b>Qualifying Hours from Last Renewal or Reinstatement:</b> 30.50
	<b>Carryover Hours for Next Renewal:</b> 0.50
	<b>Last Renewal or Reinstatement Date*:</b> 11/30/2022
<b>WV Engineer Intern:</b>	<b>EI Certification Number:</b> [REDACTED]
	<b>EI Issue Date:</b> 07/26/2010
<b>Primary Address of Record:</b>	[REDACTED]
<b>Primary Employer of Record:</b>	THE THRASHER GROUP, INC.
	<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>



# LARISSA COLES, PE

STRUCTURAL ENGINEER

## Education

Bachelor of Science,  
Natural Resources  
North Carolina State University

Bachelor of Science,  
Civil Engineering  
UNC-Charlotte

## Registrations

Professional Engineer:

- > North Carolina
- > South Carolina
- > Georgia

## PROFESSIONAL OVERVIEW

Larissa Coles, PE, has nearly three decades of experience in civil and structural Engineering design for a plethora of industries including industrial buildings, commercial office buildings, financial and religious institutions, hotels, and the food industries. She works closely with architectural design professionals, owners, and contractors to produce designs and details for construction. In addition to producing designs, she has also reviewed designs, completed inspections during construction, and managed a variety of projects both small and large.

## EXPERIENCE

**Green Creek Volunteer Fire Department**  
Project Engineer | Polk County, NC

**Tryon Equestrian Center Riding Arena**  
Project Engineer | Polk County, NC

**Best Western Hotel**  
Project Engineer | Craven County, NC

**First Wesleyan Church Addition**  
Project Engineer | Gaston County, NC

**South Blvd. Commercial Center**  
Project Engineer | Mecklenburg County, NC

**American Zinc WOX Building Addition**  
Project Manager | Iredell County, NC

**Joy Performance Center Addition**  
Project Manager | Gaston County, NC

**Bills Creek Volunteer Fire Department**  
Project Engineer | Rutherford County, NC

**Holiday Inn Express**  
Project Engineer | Brunswick County, NC

**Stonebrook Lodge**  
Project Engineer | Cherokee County, NC



## 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

## PROFESSIONAL OVERVIEW

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 Bombardier Aircraft Hangars**

Mechanical Engineer | Harrison County, WV

### **North Central West Virginia Airport Aurora Hangar**

Mechanical Engineer | Harrison County, WV

### **West Virginia International Yeager Airport Flight Information and PA System**

Project Engineer | Kanawha County, WV

### **West Virginia International Yeager Airport HVAC Replacement**

Project Engineer | Kanawha County, WV

### **West Virginia International Yeager Airport Wayfinding Signage Replacement**

Mechanical Engineer | Kanawha County, WV

### **West Virginia International Yeager Airport Restroom Renovations**

Project Engineer | Kanawha County, WV

### **Eastern WV Regional Airport Authority Hangar Renovation**

Mechanical Engineer | Berkeley County, WV

### **Eastern WV Regional Airport Authority Terminal Renovation**

Mechanical Engineer | Berkeley County, WV

### **Advanced Technological Center Welding Lab Ventilation System**

Project Manager and Designer | Marion County, WV

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

Project Engineer | Hardy County, WV

<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> 12/31/2024
<b>Continuing Education Claim:</b>	<b>Qualifying Hours from Last Renewal or Reinstatement:</b> 37.50
	<b>Carryover Hours for Next Renewal:</b> 7.50
	<b>Last Renewal or Reinstatement Date*:</b> 12/7/2022
<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.



# 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.

## PROFESSIONAL OVERVIEW

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

### North Central West Virginia Airport Aurora Hangar

Plumbing Designer | Harrison County, WV

### North Central West Virginia Airport Bombardier Hangars

Plumbing Designer | Harrison County, WV

### North Central West Virginia Airport Logistics Park

Plumbing Designer | Harrison County, WV

### West Virginia International Yeager Airport Restroom Renovations

Plumbing Designer | Kanawha County, WV

### City of Charleston Police Station Renovations

Plumbing Designer | Kanawha County, WV

### Dominion Energy Mount Storm New Office Building

Plumbing Designer | Grant County, WV

### WV Office of Miners' Health Safety and Training Kitchen Renovations

Plumbing Designer | Kanawha County, WV

### Camden Family Health Administrative Office Schematic Design

Plumbing Designer | Webster County, WV

### Hardy County Public Service District Office Building Renovations

Plumbing Designer | Hardy County, WV

### Boone Memorial Hospital

Plumbing Designer | Boone County, WV



# 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 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

## PROFESSIONAL OVERVIEW

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

**North Central West Virginia Airport Aurora Hangar**  
Electrical Designer | Harrison County, WV

**North Central West Virginia Airport Bombardier Hangars**  
Electrical Designer | Harrison County, WV

**North Central West Virginia Airport Logistics Park**  
Electrical Designer | Harrison County, WV

**West Virginia International Yeager Airport Restroom Renovations**  
Electrical Designer | Kanawha County, WV

**City of Charleston Police Station Renovations**  
Electrical Designer | Kanawha County, WV

**Baker Heights Fire Station**  
Electrical Designer | Berkeley County, WV

**City of Charleston Slack Plaza**  
Electrical Designer | Kanawha County, WV

**City of Salem Armory HVAC Evaluation**  
Electrical Designer | Harrison County, WV

**Boone Memorial Hospital**  
Electrical Designer | Boone County, WV

**Pocahontas Memorial Hospital Rural Health Addition**  
Electrical Designer | Pocahontas County, WV



# CHAD SMITH

ASBESTOS SPECIALIST

## Registrations

- > WV Licensed Asbestos Inspector
- > WV Licensed Asbestos Management Planner
- > WV Licensed Asbestos Project Designer
- > West Virginia Licensed Asbestos Clearance Air Monitor

## Certifications

- > Lead Based Paint Inspector
- > National Home Inspector Examination
- > Graduate Home Inspector
- > NITON Corporation, NITON XRF Spectrum Analyzer
- > Lead Inspector Certificate
- > Asbestos Project Designer Initial
- > Clandestine Drug Lab Remediation Tech Initial Certificate
- > WVAHI Awareness Class on Radon
- > WVAHI Awareness Class on Termite Inspection and Crawl Space Encapsulation
- > Fortune Builders Rehabber's Boot Camp
- > Certified Microbial Investigator through Indoor Sciences IAQ Training and Consulting
- > Lead Based Paint Inspector Initial Certificate
- > Lead Risk Assessor Initial Certificate

## PROFESSIONAL OVERVIEW

Chad Smith serves as an Environmental Scientist for Thrasher with a primary focus as the Lead Asbestos Specialist. He brings over 30 years of environmental consulting to the Thrasher team. Chad's experience focuses on asbestos, lead-based paint, mold, and methamphetamine, including air monitoring for asbestos and lead abatement projects. He has performed over 5000 asbestos inspections. Beyond his field experience, Chad brings the unique aspect of being a business owner – allowing him the inside-out knowledge of managing a project and the team involved throughout it.

## EXPERIENCE

### **Kanawha County Commission Brownfields Assessment**

Licensed Asbestos Inspector | Kanawha County, WV

### **Watt Powell Baseball Park**

Licensed Asbestos Inspector | Kanawha County, WV

### **Charleston Area Medical Center**

Licensed Asbestos Inspector | Kanawha County, WV

### **Kanawha County Schools**

Licensed Asbestos Inspector | Kanawha County, WV

### **Hampshire County Development Authority Hospital Asbestos Abatement**

Licensed Asbestos Inspector | Hampshire County, WV

### **Camden-Clark Hospital**

Licensed Asbestos Inspector | Wood County, WV

### **Thomas Memorial Hospital**

Licensed Asbestos Inspector | Kanawha County, WV

### **Coalfield Development Corporation JUST Transition Center**

Licensed Asbestos Inspector | Logan County, WV

### **Union Carbide**

Licensed Asbestos Inspector | Kanawha County, WV

### **Charleston Area Development Corporation Charleston LIFT Center**

Licensed Asbestos Inspector | Kanawha County, WV



# AARON RAWE, PS

SURVEY LEAD

## Education

Associates of Science,  
Surveying Technology  
Glennville State College

## Registrations

Professional Surveyor:

- > West Virginia
- > Kentucky

## Affiliations

- > West Virginia Society of  
Professional Surveyors

## Trainings

- > Safeland
- > OSHA Training
- > First Aid and Medical  
Emergency Action Procedure

## PROFESSIONAL OVERVIEW

Aaron Rawe, PS, serves as a Survey Project Manager for Thrasher working out of the Bridgeport office. His experience covers various aspects of surveying, including routing, as-builts, preliminary, construction stakeout and boundary of construction management. He is experienced both in the field and orchestrating projects behind the scenes. He brings over a decade of experience to the team.

As part of his management role, Aaron also meets with project stakeholders, area residents, local utility companies, and the project engineers to ensure that schedules are being met and to regularly update all parties on construction status. Additionally, he is progressively responsible for the coordination of field crews, data collection, site layouts, ALTA surveys, subsidence and topographic surveys.

Aaron also assists in the management of the Mapping Department here at Thrasher. He is responsible for the coordination between photogrammetrist and field crews in helping determine the placement of photo targets and items to be located for photo control. He helps process and QA/QC all data coming in from the field before delivering it to the photogrammetrist to use for the air trig of the projects.

## EXPERIENCE

### West Virginia Army National Guard Hangar

Survey Manager | Harrison County, WV

### West Virginia Army National Guard Emivest Hangar

Survey Manager | Berkeley County, WV

### Ruby Memorial Hospital Building and Utility Location Surveys

Survey Manager | Monongalia County, WV

### City of Westover Alley Survey

Project Manager | Monongalia County, WV

### Eastern West Virginia Regional Airport Survey

Survey Manager | Berkeley County, WV

### Mid-Ohio Valley Regional Airport Survey

Survey Manager | Wood County, WV

### Fairmont Municipal Airport Surveying

Survey Manager | Marion County, WV



## **North Central West Virginia Airport**

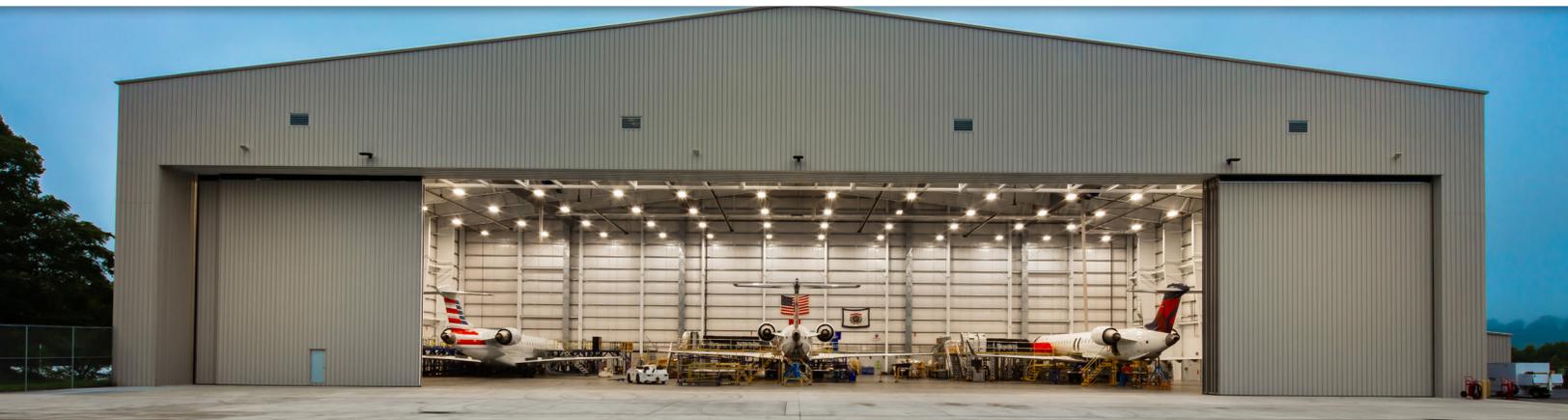
Mr. Shawn Long, Deputy Director  
2000 Aviation Way  
Bridgeport, WV 26330  
304-842-3400

## **Regional Economic Development Partnership**

Mr. Kevin Price, Chief Development Officer for Aviation  
1100 Main Street, 3rd Floor  
Wheeling, WV 26003  
304-417-3975

## **Mid-Ohio Valley Regional Airport**

Ms. Sydnie Beall, Assistant Airport Manager  
543 Co Rte 31/1  
Williamstown, WV 26187  
304-464-5113



**NORTH CENTRAL WV AIRPORT**  
**MHI RJ Hangars**

**Client Contact:**

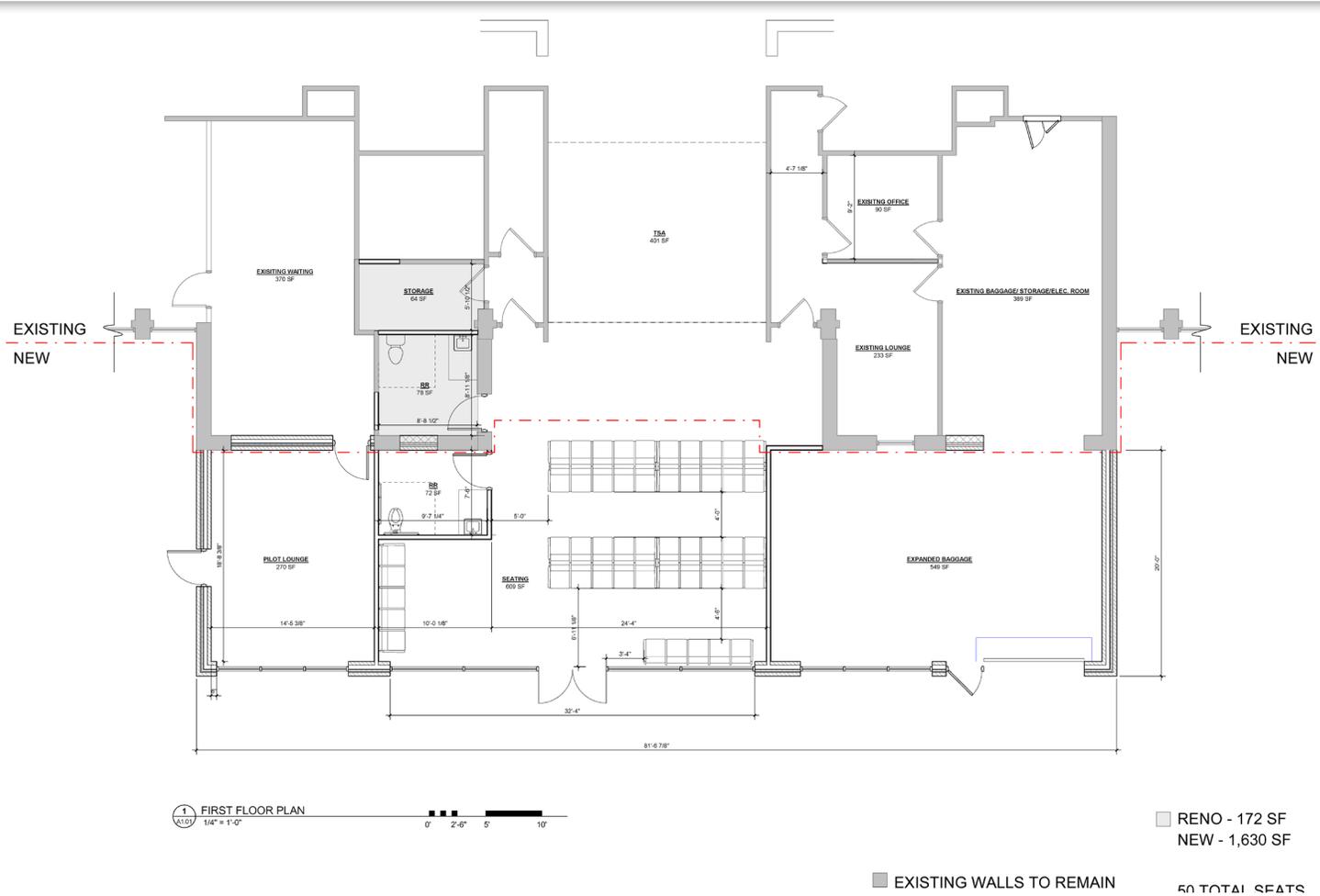
Mr. Shawn Long, Deputy Airport Director  
 2000 Aviation Way | Bridgeport, WV 26330  
 304-842-3400

The North Central West Virginia Airport had a tenant (MHI RJ) on the airfield that had outgrown their facilities and were operating out of temporary tents and multiple buildings. This strained the tenant’s operations, and they needed a more permanent solution. The tenant approached the Airport Authority about expansion on the airfield. The Thrasher Group handled a wide variety of elements for the project.

The Thrasher Group designed two new hangars for the North Central West Virginia Airport. These two hangars are 50,000 square feet each and meet a variety of equipment and facility needs. Due to the location of the new hangars,

the project was required to be split into two phases. This allowed MHI RJ to remain in operation during the entire duration of construction. The first phase consisted of relocating existing utilities, constructing a partial concrete ramp, and the construction of Hangar A. After this hangar was completed, MHI RJ moved operations into this facility, then two existing hangars were demolished to create space for the erection of Hangar B. Additional utilities were also installed along with the remaining concrete apron.

To support the success of this project, Thrasher also provided environmental permitting services. Thrasher coordinated with the Federal Aviation Administration completing the NEPA process with submitting a Short Form Environmental Assessment. A critical component of this document was the increase in aircraft and in turn an increase in run-ups that would be generated from the expansion especially with impacts to the adjacent neighborhood. Thrasher worked with MHI RJ and CKB to understand the projected increase in fleet that would be serviced by MHI RJ as well as the conditions that are occurring in the present time. Thrasher sub-consulted with Michael Minor Associates to generate new noise contours and model future noise contours from the expansion.



600 WHITE OAKS BLVD  
P.O. BOX 940  
BRIDGEPORT, WV 26330  
P (304) 624-1108  
F (304) 624-1831  
www.thrashergrp.com

THE ARCHITECTURE CONTRACTED HEREIN IS THE SOLE PROPERTY OF THE THRASHER GROUP, INC. REPRODUCTION OF THESE DOCUMENTS IN WHOLE OR IN PART FROM ANY SOURCE WITHOUT PRIOR WRITTEN PERMISSION IS STRICTLY PROHIBITED. COPYRIGHT © 2022 BY THE THRASHER GROUP, INC.

**PRELIMINARY**

**Terminal Addition**  
Raleigh County Airport  
176 Airport Rd #105 Beaver, WV 25813  
ISSUE PROJECT DATE  
PROJECT STATUS

DRAWN: [Name] DATE: 06/02/22  
CHECKED: [Name] DATE: 06/02/22  
PROJECT NO.  
FLOOR PLAN  
REV: [Number]

## RALEIGH COUNTY MEMORIAL AIRPORT Terminal Renovations and Expansion

### Client Contact:

Mr. Tom Cochran, Airport Manager  
176 Airport Circle, Room 115 | Beaver, WV 25813  
304-890-1848

The Raleigh County Memorial Airport terminal building was constructed in 1978. While the building itself is in good condition, the sterile area is unable to accommodate the number of passengers that are now filtering through the airport. In order to solve this problem, 172 SF of sterile area will be renovated and an additional 1,600 SF will be added. This will expand the airport’s seating from 11 passengers to 50 passengers, allowing enough space for passengers to wait for their aircraft or deplane the aircraft if there is a delay.

Additionally, existing offices in the hold room will be converted to restrooms to better serve this larger area.

The Thrasher Group is currently completing construction documents for the project with an anticipated Spring 2023 construction period. As part of the project, Thrasher is helping the airport seek funds through the FAA.



 **NORTH CENTRAL WEST VIRGINIA AIRPORT**  
**FBO Renovations and Entrance Addition**

**Client Contact:**

Mr. Shawn Long, Deputy Director  
 2000 Aviation Way | Bridgeport, WV 26330  
 304-842-3400

The Thrasher Group was hired by NCWV to provide renovations to the existing office building. We converted the lobby into a new Fixed Base Operator (FBO) for V1 Services. The new space included a flight plan room, pilot sleeping quarters, a client reception area, a waiting area, and restrooms and shower areas. Another component included new finishes, lighting, and HVAC as part of this project. The exterior renovations included a new entrance canopy on the land side and new signage on both the land and airside.



## CITY OF BECKLEY Fire Station #3

### Client Contact:

Mr. Rob Rappold, Mayor  
409 S. Kanawha Street | Beckley, WV 25802  
304-256-1768

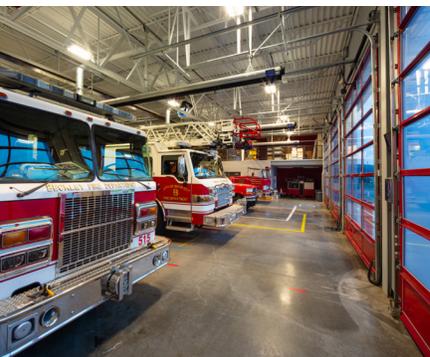
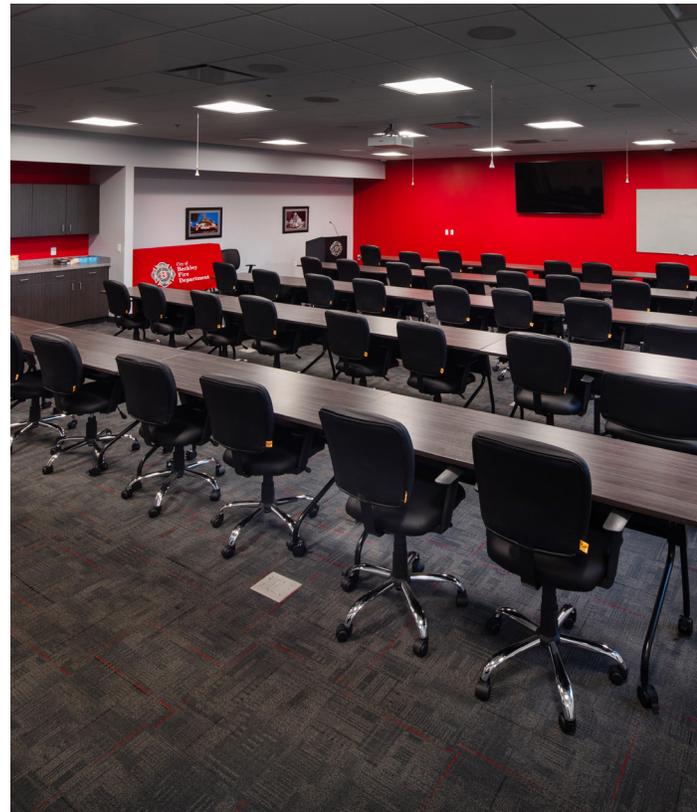
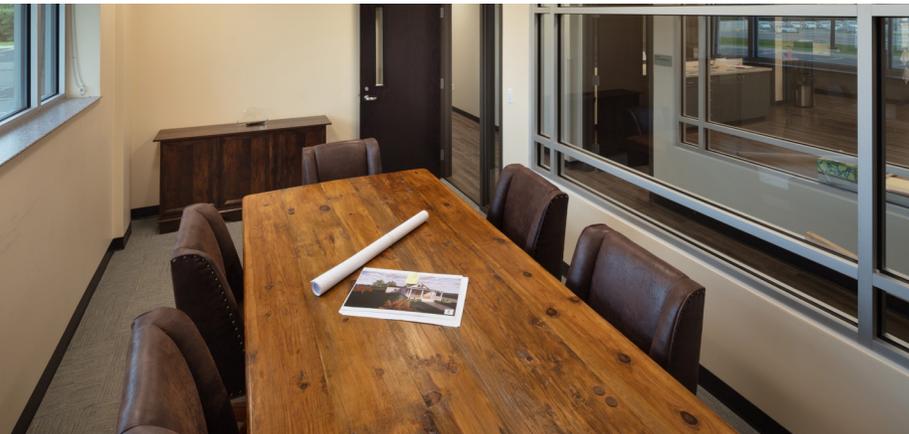


The Thrasher Group was hired by the City of Beckley for the design of their new Fire Station #3 building. The services provided included architectural design; site, structural, mechanical, electrical, and plumbing engineering; survey; interior design; construction administration; and materials testing. This 20,000 square foot fire station includes four apparatus bays, male and female bunk rooms, offices, day room, exercise room, a 50-person training room, support areas, and a storage mezzanine.

The site work was a large portion of this project. Thrasher's design provided two separate access points for the site, with one employee entrance and one that allows EMS crews to exit directly off-site. Additionally,

the pad was designed to allow vehicles to flow through, including access for the Fire Department to utilize the training tower without interfering with daily activities. Site work also included running utilities for sanitary sewer, potable water, and natural gas service.

Another component Thrasher was responsible for was stormwater management. A bio-retention pond was designed to collect and treat the stormwater runoff, per local regulations. The Thrasher team oversaw these regulations as well as permitting for the West Virginia Division of Highways, Beckley Sanitary Board, and West Virginia Department of Environmental Protection.





THRASHER