

# THRASHER

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WV PURCHASING  
DIVISION



## WV PURCHASING DIVISION

Building Four Renovations

Submitted by:  
The Thrasher Group, Inc.  
February 26, 2020



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

February 26, 2020

Attn: Ms. Melissa Pettrey, Senior Buyer  
2019 Washington Street, East  
Charleston, WV 25305

*RE: WV Purchasing Building Four Renovations*

Dear Ms. Pettrey and Selection Committee Members:

The West Virginia Purchasing Division is in need of a wide variety of renovations and improvements to the State's Building Four. These upgrades will make the space a more updated, safe, and comfortable facility for the wide range of tenants it houses. With a long list of in-house capabilities and a highly qualified subconsultant, The Thrasher Group has put together the right team for the job.

Thrasher's Architecture team can cover all of the office renovation, historic design, and tenant fit-out needs that this project requires. Our designers have myriad experience in this sector, with knowledge of each of the intricate pieces required for a successful outcome. Our subconsultant, Allegheny Design Services, will handle all of the mechanical, electrical, plumbing, and structural engineering pieces of this renovation, with their own team of experts for the task.

This project will be a big undertaking for the State and will involve a number of agencies. It will be highly important to make this project a success and to ensure the building's tenants can continue their work throughout the process. Thrasher is prepared to take a phased approach to construction that will limit interference with those involved.

We appreciate the opportunity to share our qualifications with you and look forward to further discussing how The Thrasher Group can be a partner with you not just for this project, but for the long haul.

Sincerely,  
The Thrasher Group, Inc.

Craig Baker, ALEP  
Architecture Division Leader

**ADDENDUM ACKNOWLEDGEMENT FORM**  
**SOLICITATION NO.: GSD2000000004**

**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

2/24/2020

\_\_\_\_\_

Date

**NOTE:** This addendum acknowledgement should be submitted with the bid to expedite document processing.  
Revised 6/9/2012

STATE OF WEST VIRGINIA
Purchasing Division
PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(j), 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 §6A-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 § 23-26-2, 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 firm 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 §61-6-3) 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.

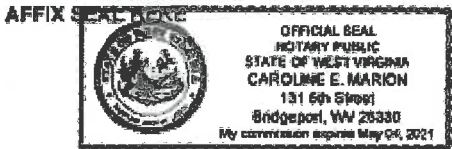
Authorized Signature: [Signature] Date: 2/24/2020

State of West Virginia

County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 24 day of February, 2020

My Commission expires May 4, 2021, 20



NOTARY PUBLIC [Signature]

Purchasing Affidavit (Revised 01/10/2018)



**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@thethrashergroup.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.

The Thrasher Group, Inc.

(Company)



(Authorized Signature) (Representative Name, Title)

Craig Baker, Principal

(Printed Name and Title of Authorized Representative)

2/24/2020

(Date)

304-624-4108 | 304-624-7831

(Phone Number) (Fax Number)

Revised 01/09/2020



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

**Main Point of Contact:**

Joe Sinclair, AIA, NCARB, LEED AP, CDT  
 Project Manager and Architect  
 jsinclair@thethrashergroup.com  
 Cell: 304-518-9304  
 Office: 304-343-7601



**9**

**OFFICES**

in six states:

- West Virginia
- Virginia
- Pennsylvania
- Ohio
- Maryland
- Kentucky



**500**

**EMPLOYEES**

- 47** Licensed Professional Engineers
- 20** Licensed Professional Surveyors
- 6** Licensed Professional Architects
- 3** Licensed Professional Landscape Architects



**36**

**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 Building Four and will handle them in the following manner:

## ▶ **GOAL/OBJECTIVE 1**

The safety and comfort of tenants is always of the highest priority for Thrasher's Architecture team. We have taken on a number of renovations that involve working around the needs of the building's users. We understand the importance of phasing construction so it is the least disruptive process possible and have executed this process successfully countless times before.

## ▶ **GOAL/OBJECTIVE 2**

Sustainable design has a growing importance in the architecture industry. Thrasher has completed several LEED certified buildings, both at the silver and gold levels. While we acknowledge WV Purchasing does not intend to go through this process, our team has in-depth knowledge on the practices involved and can ensure Building Four's renovations are approached from a sustainable, cost-oriented design.

## ▶ **GOAL/OBJECTIVE 3**

Thrasher understands that Building Four has a thorough list of renovation needs, including everything from fire safety controls and stair towers to lobby areas and parking lots. The Thrasher Group has assembled a team that can take on each task with expertise and precision. We will provide project oversight, architectural design, civil engineering, and construction administration, while our subconsultant, Allegheny Design Services, will handle all mechanical, electrical, plumbing, and structural engineering needs.

## ▶ **GOAL/OBJECTIVE 4**

Thrasher specializes in designing spaces that meet the needs of their tenants. We have provided office design for a variety of clients over the years, including both new constructions and renovations. Our architects and designers understand the intricacies involved with programming floor space for general administrative needs and specific client desires and can execute with the flexibility needed to make any tenant fit-out a success.

## ▶ **GOAL/OBJECTIVE 5**

Creating spaces that accommodate both modern life/safety requirements and historic design elements can be a challenge, but it's one the Thrasher team thrives on. We have a SHPO specialist on our team who has renovated historic structures all across the state, preserving the elegance and historic feel of a building while updating its features for a 21st Century business environment and we are confident that the Thrasher team can make this a reality for the common areas at Building Four.

Thrasher will conduct design review meetings with your team at each phase of the process, making sure we are keeping with the overall intention of the project and meeting WV Purchasing's needs. As the design progresses, our construction estimator will provide a construction cost estimate for each phase to ensure the project is staying within budget.

**General steps as outlined in the EOI for project management is as follows:**

## 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

### **Warranty:**

- > Assist with issues related to Contractor warranty notification as required

Communication throughout any project is a primary key to success. To that end, Thrasher will begin communication with WV Purchasing 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, Joe Sinclair, 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, Joe will again meet with the WV Purchasing 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 Purchasing. 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 Purchasing construction representative on a weekly basis.

### Scheduling:

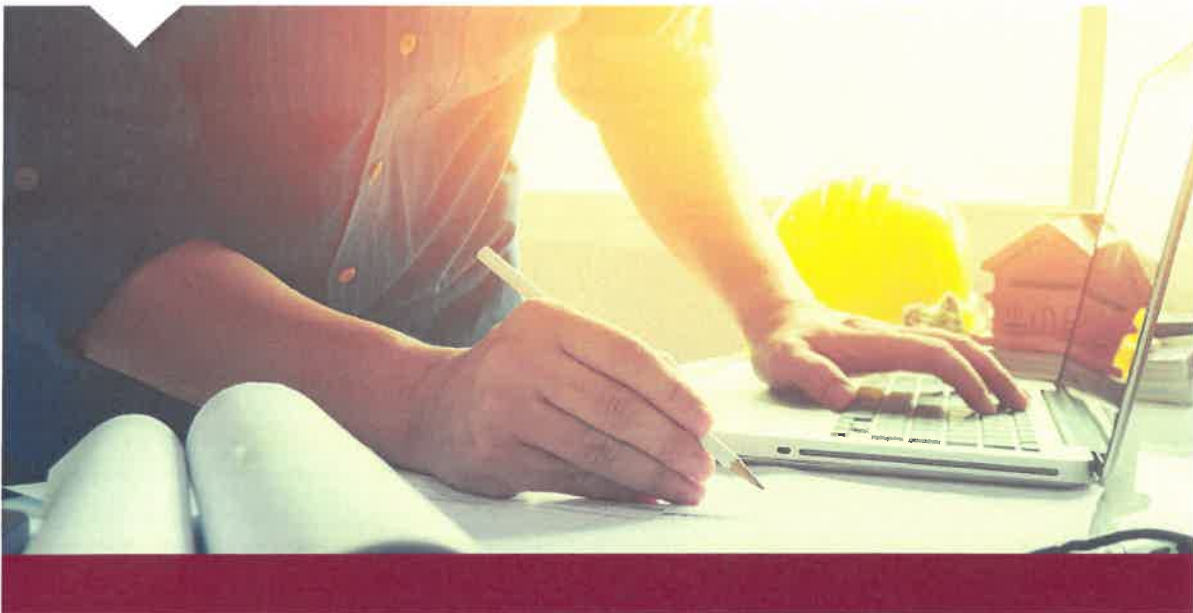
Thrasher realizes the importance of establishing and maintaining project schedules. Time means money and making sure we help you spend your money wisely is our number one goal. Because of this, our team puts an emphasis on ensuring project timetables are met and communication is upheld throughout the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

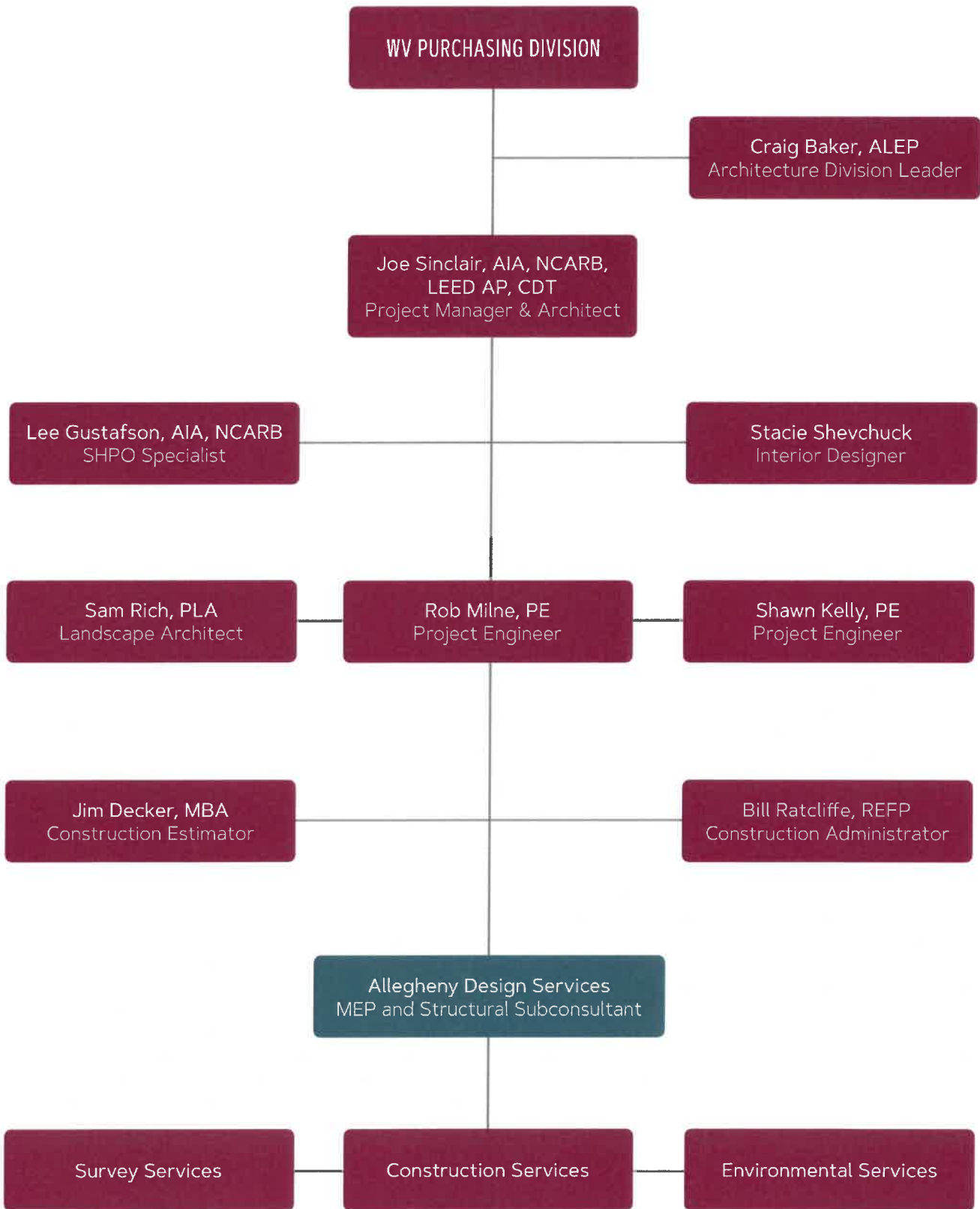
To accomplish these goals, Thrasher utilizes scheduling to track every stage of a project - from design and bidding through construction completion. We also require contractors working on our projects to regularly update their project schedules and give a detailed progress report at each job meeting, 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.

### Budgeting:

Construction estimating and budgeting is the most important part 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.







Architecture Division Leader



## Education

Bachelor of Science,  
Architectural Engineering  
Fairmont State University

Advanced Certificate,  
Educational Facilities Planning  
San Diego State University

## Affiliations

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

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

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

As manager of Thrasher's Architectural Division, 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

### Antero Resources Campus Fit-Out Project

Role: Principal  
> Harrison County, WV

### MarkWest Energy Facility Fit-Out Project

Role: Principal  
> Harrison County, WV

### Mason Dixon Energy Facility Fit-Out Project

Role: Principal  
> Harrison County, WV

### Percheron, LLC Fit-Out Project

Role: Principal  
> Harrison County, WV

### Dominion Resources Headquarters

Role: Principal  
> Harrison County, WV

### Progress Centre II at White Oaks Business Park

Role: Principal  
> Harrison County, WV

### VA Building 7 Renovations

Role: Principal  
> Harrison County, WV

### WV Board of Pharmacy Office Renovations

Role: Principal  
> Harrison County, WV

### Taylor County Courthouse Annex 2 HVAC Improvements

Role: Principal  
> Taylor County, WV

### Best Western Elevator Addition Project

Role: Principal  
> Harrison County, WV

Project Manager and Architect



Joe brings 15 years of architectural experience in all phases of design ranging from commercial renovations, additions, and new construction to historic preservation and multi- and single-family residential projects. Joe's resume is built with architectural experience from Savannah, GA; Atlanta, GA; Charleston, WV; and North Central West Virginia. Joe joined the Thrasher team in 2017.

Joe is an Iraq War Veteran and former member of the West Virginia Army National Guard where he served as a Combat Engineer and Squad Leader. In addition to working full-time as an Architect at Thrasher, Joe serves as an Adjunct Professor in the Construction Management program at BridgeValley Community & Technical College in South Charleston, WV. Joe's expertise lies in project design, management, production, and delivery.

## Education

Master of Architecture,  
Savannah College of Art &  
Design

Bachelor of Science,  
Architectural Engineering  
Fairmont State University

## Registrations

Professional Architect:

- > West Virginia
- > Virginia

## Affiliations

- > NCARB Certificate [REDACTED]
- > LEED Accredited Professional, Building Design & Construction - GBCI#: [REDACTED]
- > Construction Documents Technologist (CDT) - Construction Specifications Institute (CSI)
- > Member American Institute of Architects - West Virginia Chapter
- > Member - United States Green Building Council (USGBC) - West Virginia Chapter
- > AIA West Virginia's AIA Safety Assessment Program Training

## Experience

### WV Building 23 Evaluation - General Services Division

- Role: Project Architect
- > Raleigh County, WV

### Department of Highways I-77 Weigh Station Renovations

- Role: Project Manager/  
Architect
- > Wood County, WV

### The Thrasher Group Office Renovation

- Role: Project Architect
- > Kanawha County, WV

### Adaptive Reuse of the Jack Caffrey Arts & Culture Center

- Role: Project Manager/  
Architect
- > McDowell County, WV

### Lobby Design for BC Bank Interior Renovation

- Role: Project Architect
- > Barbour County, WV

### Harrison County Commission Courthouse HVAC

- Replacement
- Role: Project Manager
- > Harrison County, WV

### West Virginia Turnpike Rest Area, Exit 69

- Role: Project Architect
- > Mercer County, WV

### Taylor County Courthouse Front Stair and Sidewalk Replacement

- Role: Project Architect
- > Taylor County, WV

### Volvo Charleston Dealership Renovation

- Role: Project Manager/  
Architect
- > Kanawha County, WV

### Yeager Airport Various Projects

- Role: Project Architect
- > Kanawha County, WV

Project Manager and Architect

## The West Virginia Board of Architects

certifies that

**RYAN JOSEPH SINCLAIR**

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 [REDACTED]

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



A handwritten signature in cursive script, reading "Emily Papadopoulos", on a light-colored rectangular background.

Board Administrator

SHPO Specialist



Lee Gustafson, AIA, NCARB is a tenured Project Architect with nearly 37 years of experience in project design and management. Lee has built a highly diversified portfolio of work throughout his career which includes several historical endeavors such as the Empire Bank historical restoration and the City of Grafton's Mother's Day shrine preservation. These projects have landed Lee on the West Virginia State Historic Preservation Office's approved consultant list. Lee's knowledge of historical restoration protocol and permitting allows him to easily guide clients through the vast regulatory landscape associated with this type of work.

## Education

Bachelors of Science,  
Architecture  
University of Cincinnati

## Registrations

Professional Architect:

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

## Affiliations

- > West Virginia Society of Architects
- > AIA Committee on Architecture for Historic Resources
- > AIA Committee on Architecture for Education, Healthcare, and Justice
- > National Council of Architectural Registration Boards (NCARB Certification)

## Experience

### Edel Building Historic Rehabilitation Project

Role: Project Architect  
> Harrison County, WV

### Empire Bank Historic Rehabilitation Project

Role: Project Architect  
> Harrison County, WV

### City of Grafton Mother's Day Shrine Historic Preservation Project

Role: Project Architect  
> Taylor County, WV

### Historic Clarksburg Baptist Church Classroom and Office Addition

Role: Project Architect  
> Harrison County, WV

### Historic Clarksburg Publishing Company Addition

Role: Project Architect  
> Harrison County, WV

### Federal Bureau of Investigations Office Renovations

Role: Project Architect  
> Berkeley County, WV

### Taylor County Commission Bank Parking Deck Renovations and Repairs

Role: Project Architect  
> Taylor County, WV

### North Central West Virginia Security Checkpoint and Waiting Room Renovations

Role: Project Architect  
> Harrison County, WV

### The Summit Bechtel Reserve, Boy Scouts of America Welcome Center

Role: Project Architect  
> Fayette County, WV

### Romney Public Works Building New Facility

Role: Project Architect  
> Hampshire County, WV

SHPO Specialist

**The West Virginia Board of Architects**

certifies that

**LEE O GUSTAFSON**

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 [REDACTED]

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



A handwritten signature in cursive script, appearing to read "Emily Papadopoulos", is written on a light-colored rectangular background.

Board Administrator



Interior Designer



### Education

Bachelor of Science,  
Art Studio  
Fairmont State University

Associate of Science,  
Design and Drafting  
Fairmont State University

### Affiliations

> Auto CADD Certification -  
Fairmont State University

Stacie Shevchuck serves as Thrasher’s in-house interior designer. Her responsibilities include meeting with department management and various vendors to develop and refine interior design plans for a wide array of clients. She has a sharp eye for detail, and is well versed in all facets of interior finishes and color schematics.

Stacie is responsible for drafting roof plans, elevations and floor plans as part of her day to day work. Another function of Stacie’s is creating three dimensional modeling and renderings for interior finishes. She is able to deliver our clients realistic renderings that enable them to clearly envision the end result of their projects. Stacie is proficient with refinishing jobs, mural work and developing conceptual renderings. During her career she has also worked with historical restoration and preservation projects.

### Experience

#### **Antero Resources Campus Fit-Out Project**

Role: Interior Designer  
> Harrison County, WV

#### **Boy Scouts of America Welcome Center**

Role: Interior Designer  
> Fayette County, WV

#### **City of Clarksburg Water Board Municipal Water Facility Interior Design**

Role: Interior Designer  
> Harrison County, WV

#### **Dominion Resources Headquarter Facility**

Role: Interior Designer  
> Harrison County, WV

#### **Greater Paw Paw Public Service District New Office Interior Design**

Role: Interior Designer  
> Marion County, WV

#### **The Thrasher Group Headquarters at White Oaks Business Park Interior Design**

Role: Interior Designer  
> Harrison County, WV

#### **Boy Scouts Marriott Leadership Center**

Role: Interior Designer  
> Fayette County, WV

#### **Boy Scouts Rex Tillerson Learning Center**

Role: Interior Designer  
> Fayette County, WV

#### **Crichton Elementary School Interior Design for New Addition**

Role: Interior Designer  
> Greenbrier County, WV

#### **Ritchie County Middle/High School Renovations**

Role: Interior Designer  
> Ritchie County, WV

Landscape Architect



Samuel Rich, PLA joined Thrasher in 2014 as a landscape designer / site planner. Samuel's role at Thrasher includes site design for parks and recreation, streetscapes, commercial retail, trails, office space, memorials, hotels and resorts. Samuel has master planning experience for a variety of project types including residential, commercial, institutional, and industrial sectors. Often, he works with clients to visualize their built projects through vivid 2D and 3D illustrations. Before his time at Thrasher he spent three years in the landscape design / build industry working on a variety of projects involving the beautification of the outdoor environment for both residential and commercial spaces.

## Education

Bachelor of Science,  
Landscape Architecture  
West Virginia University

## Registrations

Professional Landscape  
Architect:  
> West Virginia

## Affiliations

> American Society of  
Landscape Architects

## Experience

### West Ridge Mixed-Use Development

Role: Land Planner  
> Monongalia County, WV

### West Virginia DNR Palatine Park Master Plan: Boat Ramp and Parking Improvements

Role: Landscape Architect  
> Marion County, WV

### WVU Milan Puskar Stadium Renovations Landscape Plan

Role: Landscape Architect  
> Monongalia County, WV

### White Oaks Business Park Multiple Phases

Role: Land Planner  
> Harrison County, WV

### Weirton Reuse Master Plan

Role: Land Planner  
> Brooke County, WV

### Speedway Industrial Park

Role: Project Manager  
> Marion County, WV

### Boy Scouts of America Welcome Center

Role: Project Manager  
> Fayette County, WV

### Boy Scouts of America - Various Projects

Role: Civil Project Manager  
> Fayette County, WV

### I-68 Exit 1 Sheetz Landscape Plan

Role: Landscape Architect  
> Monongalia County, WV

### Advantage Valley Site Planning Study

Role: Land Planner  
> Various Counties, WV

Project Engineer



Robert Milne, PE has over 25 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. Rob remains involved with every facet of the projects he manages - overseeing design standards, staff assignments, project schedules, and client communication.

### 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

### Experience

#### West Virginia University

##### Beckley Parking Lot

Role: Project Manager  
> Raleigh County, WV

#### West Virginia University

##### Creative Arts Center Parking Lot

Role: Project Manager  
> Monongalia County, WV

#### Fairmont State University

##### Stormwater Management MS4 Program

Role: Principal  
> Marion County, WV

#### Fayette County 911 Center

Role: Project Manager  
> Fayette County, WV

#### City of Beckley New Police Station

Role: Civil/Site Task Leader  
> Raleigh County, WV

#### City of Clarksburg Stormwater Management Program

Role: Project Engineer  
> Harrison County, WV

#### Marion County Economic Development Authority Palatine Park Development

Role: Principal  
> Marion County, WV

#### New Northside Fire Station

Role: Project Manager  
> Monongalia County, WV

#### Morgantown Event Center and Garage

Role: Project Manager  
> Monongalia County, WV

#### Seneca Village Pison Site Development

Role: QA/QC  
> Monongalia County, WV

Project Engineer

## Your **ACTIVE PE** renewal fee has been received...

Your ACTIVE PE renewal fee has been received. Your pocket card indicating you are entitled to practice engineering in West Virginia until the noted expiration date may be detached and used unless invalidated as a result of Board audit of your renewal form or formal disciplinary action.

**IMPORTANT REMINDERS:**

1. Please include your WV ACTIVE PE license number on any correspondence to this office.
2. To use this license as a pocket card, please cut along the dotted line and laminate if desired.
3. You are required to immediately notify the Board, in writing, of the following: loss or theft of license or seal, any name change, any address change, or any employment change.

**West Virginia State Board of Registration for Professional Engineers**

300 Capitol Street, Suite 910  
Charleston, West Virginia 25301  
304-558-3554 Phone  
800-324-6170 Toll Free  
[www.wvpebd.org](http://www.wvpebd.org)

**THIS IS ONE FORM OF YOUR RENEWAL RECEIPT**

**PLEASE SAVE THIS FOR YOUR RECORDS**

Date of Renewal: December 31, 2018  
Amount Paid: \$70.00



West Virginia State Board of Registration  
for Professional Engineers

**ROBERT R. MILNE**  
WV PE [REDACTED]

This is to certify that the above named PROFESSIONAL ENGINEER has met the requirements of the law, is duly registered and is entitled to practice engineering in the State of West Virginia.

**EXPIRES December 31, 2020**

**ROBERT R. MILNE**  
79 PRICE HILL ROAD  
MORGANTOWN, WV 26501

Project Engineer



### Education

Bachelor of Science,  
Civil Engineering  
West Virginia University

### Registrations

Project Engineer:  
> West Virginia  
> Virginia  
> Kentucky

Shawn Kelly, PE brings over 14 years of experience to the Site Division. His knowledge of site development has taken him all across West Virginia, working for both public and private clients. Shawn's understanding of drainage calculating, stormwater management plans, and site development planning have helped improve countless places in the state.

Since joining Thrasher, Shawn has played a large part with the Boy Scouts of America project. He has provided assistance with site design of various buildings and roadway drainage for the roads around the complex. Shawn's ability to work on projects both large and small is why he is a reliable engineer for Thrasher's clients.

### Experience

#### **WVU Medicine Building Site Design**

Role: Project Engineer  
> Greene County, PA

#### **Upshur County Industrial Park Drainage Calculations**

Role: Staff Engineer  
> Upshur County, WV

#### **WestRidge Commercial and Retail Development**

Role: Project Engineer  
> Monongalia County, WV

#### **Boy Scouts of America Brenda L. Murray Drive Roadway Drainage**

Role: Staff Engineer  
> Fayette County, WV

#### **Boy Scouts of America JW Marriott JR Leadership Center Roadway Drainage**

Role: Staff Engineer  
> Fayette County, WV

#### **Boy Scouts of America Bunkhouse and Dining Hall Site Design**

Role: Project Engineer  
> Fayette County, WV



Project Engineer

## Licensure Verification

### Search: Details

Name:	SHAWN ROBERT KELLY
WV Professional Engineer:	PE License Number: [REDACTED]
	PE License Status: Active
	PE Issue Date: 12/22/2016
	PE Expiration Date: 12/31/2020
Continuing Education Claim:	Qualifying Hours from Last Renewal or Reinstatement:
	Carryover Hours for Next Renewal:
	Last Renewal or Reinstatement Date*: 12/4/2018
WV Engineer Intern:	EI Certification Number: [REDACTED]
	EI Issue Date: 12/08/2014
Primary Address of Record:	5314 MELWOOD DRIVE CROSS LANES, WV 25313
Primary Employer of Record:	THE THRASHER GROUP, INC. 300 ASSOCIATION DRIVE CHARLESTON, WV 25313
	<ul style="list-style-type: none"> <li>* 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.</li> </ul>

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

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

### Marion County Health

#### Department Renovations

Role: Construction Estimator

> Marion County, WV

### Mountaintop Medical Clinic New Facility

Role: Construction Estimator

> Tucker County, WV

### MVA Shinnston Clinic Renovations

Role: Construction Estimator

> Harrison County, WV

### Dominion Goshen Road New Facility

Role: Construction Estimator

> Monongalia County, WV

### Harrison County Commission Courthouse HVAC Replacement

Role: Construction Estimator

> Harrison County, WV

### White Oaks Business Park Development

Role: Construction Estimator

> Harrison County, WV

### Romney Public Works Building New Facility

Role: Construction Estimator

> Hampshire County, WV

### Hampton Inn Construction

Role: Construction Estimator

> Lewis County, WV

### Renovation to Kappa Kappa Gamma Sorority House

Role: Construction Estimator

> Monongalia County, WV

### Addition to WVU Blaney House

Role: Construction Estimator

> Monongalia 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

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.

### Affiliations

- > Recognized Educational Facility Planner (REFP)

### Experience

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

- Role: Construction  
Administrator  
> Doddridge County, WV

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

- Role: Construction  
Administrator  
> Kanawha County, WV

#### **Huntington Tri-State Airport Stair Tower / Elevator Building for ADA Access**

- Role: Construction  
Administrator  
> Wayne County, WV

#### **White Oaks Development Regional Eye Care Facility**

- Role: Construction  
Administrator  
> Harrison County, WV

#### **White Oaks Development Retail II Facility**

- Role: Construction  
Administrator  
> Harrison County, WV

#### **Jefferson County Convention and Visitors Bureau Addition and Renovations**

- Role: Construction  
Administrator  
> Jefferson County, WV

#### **WV Public Service Commission Façade Replacement**

- Role: Construction  
Administrator  
> Kanawha County, WV

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

- Role: Construction  
Administrator  
> Kanawha County, WV

## MEP and Structural Subconsultant

Allegheny Design Services (ADS) provides Structural & MEP facility engineering design services to architects, industrial and commercial contractors, and owners.

ADS's engineering has established itself as the leading multi-discipline engineering firm in West Virginia. Our reputation for responsiveness, competence, creativity and value is well-known.

We understand that engineering is not a stand-alone function, but a part of the design effort of the architect and other consultants. Our job doesn't stop at the delivery of construction drawings. Understanding the construction process is as important. ADS is the link between the architects creativity and the efficient construction of the project.

### Structural Services

ADS works closely with architects and contractors to provide the engineering support that turn their vision into reality.

The large expanses and dynamic visual cues of modern architectural design often require unique engineering solutions to maintain structural integrity while providing the vision the architect wants to achieve. Allegheny Design Services are the link between the architect's design, the contractor's finished structure, and the owner's satisfaction.

### MEP Services

ADS provides complete MEP engineering services to their clients across the country.

ADS works closely with architects and contractors to provide the engineering support that turn their vision into reality.

The large expanses and dynamic visual cues of modern architectural design often require unique engineering solutions to maintain structural integrity while providing the vision the architect wants to achieve. Allegheny Design Services are the link between the architect's design, the contractor's finished structure, and the owner's satisfaction.

### Experience with Thrasher

#### **WV Building 23 Evaluation - General Services Division**

Role: MEP and Structural Engineer  
> Raleigh County, WV

#### **Dominion Resources New Headquarter Facility**

Role: MEP and Structural Engineer  
> Harrison County, WV

#### **Antero Resources Campus Buildings**

Role: MEP and Structural Engineer  
> Harrison County, WV

#### **City of Beckley New Police Station**

Role: MEP and Structural Engineer  
> Raleigh County, WV

#### **Greater Bridgeport Convention and Visitors Bureau**

Role: MEP and Structural Engineer  
> Harrison County, WV

#### **Morgantown Event Center Parking Garage**

Role: Structural Engineer  
> Monongalia County, WV



## Building Renovations





### **WV Building 23 Renovation General Services Division**

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 that 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

Client Contact:

Mr. Lloyd White, Director

330 2nd Street | Fairmont, WV 26554

304-366-3360

Thrasher provided a complete renovation to the Marion County Health Department. 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.

An addition was added to the building that is three stories, and houses the waiting room, egress stair tower and elevator.





## Jack Caffrey Arts and Culture Center

Client Contact:

Craig Snow, Executive Director

253 Main Caretta Road | War, WV 24892

304-8754821

Located at 168 Wyoming Street in downtown Welch, WV, the Jack Caffrey Arts and Culture 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.

## Yeager Airport Lobby and Restroom Renovations

Client Contact:

Mr. Nick Keller, Airport Director

100 Airport Rd., Suite 175 | Charleston, WV  
25311

304-344-8033

The Thrasher Group is in the process of redesigning the ramp entrance lobby leading to the restaurant and TSA checkpoint at Yeager Airport. The space will receive a new ceiling soffit over the wall sharing the new restaurant with a wood slatted ceiling finish and linear recessed lighting. A new ramp with glass railings will be constructed as the main entrance to the restaurant. The existing marble clad columns will receive a new wood finish and new large format tile flooring will replace the existing. The wall separating this space from the restaurant will receive larger storefront openings attracting visitors to the new restaurant. The exit tunnel will be shifted to the right creating a larger lounge space for those receiving incoming passengers or for those saying goodbye.





# Office Fit-outs

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## Antero Resources New Office

Client Contact:  
Mr. Al Schopp  
304-357-7310

The Thrasher Group designed, planned and provided project coordination for two new office buildings for Antero Resources located in the ongoing development of White Oaks Business Park in Bridgeport, West Virginia. The 30,000 SF, two story Land Services building houses the administrative functions for the tenant. It is comprised of cubicles, offices, conference rooms, training rooms and other office needs.

The Regional Headquarters is a 20,000 SF, two story building that houses the corporate executive offices for region. This state-of-the-art facility is considered Class A office space due to the level of interior finishes associated with it. The building is mostly comprised of offices and conference rooms. The Regional Headquarter building is constructed of brick and stone veneer with timber frame canopies and features a glass roof to provide a combination of modern and rustic materials.





## Progress Centre I&II New Office

Client Contact:  
High Tech Corridor Development  
304-669-1567

### Progress Centre I

Thrasher was retained by the Progress Centre, LLC to design and construct this 20,000 square foot mixed-use office building at White Oaks Business Park, located in Bridgeport, West Virginia. The office building is brick and masonry construction with asphalt shingles and EPDM roofing. Designed for up to 6 businesses, the building includes centrally located core spaces including a shared lobby, stairs, elevator and conveniences.

The building is completely ADA accessible. Wireless, broadband communications are included at all planned facilities at the 88 acre business park. The Progress Centre is complete and currently housing several businesses.

### Progress Centre II

Progress Centre II is a three story, 30,000 SF class A office building. The building is located at the highest elevation of the park providing tenants with exceptional views of the flourishing park through the floor to ceiling windows as the main feature of Progress Centre II.

Progress Centre II was built as a shell building that consists of finished interior common areas and was designed for tenants to be able to customize their workspace easily. The third floor of this beautiful building is occupied by Mitre Corporation, a non-for-profit company that operates multiple federally funded research and development centers.





## Southview Centre

Client Contact:  
Southview Centre, LLC  
304-669-1567

The Southview Centre consists of a 40,000 SF, four-story building designed and constructed by the team at Thrasher. Thrasher was responsible for the architectural design, project management, schematic and final design, permitting, construction documentation, and construction oversight of the new facility. In addition, the Thrasher team did the landscape architecture, interior design, and specialized green technologies of the facility.



# Historic Preservation



### Johnston Historic Building Renovations

Thrasher was hired by the State of West Virginia to assess the 90-year-old building on the grounds of a large juvenile correctional facility, develop plans and produce construction documents to rehabilitate several major areas of the building into recreational and educational spaces. We oversaw the construction that included removal and replacement of finishes damaged by years of neglect and exposure to the weather, replacement of doors and hardware, new lighting, electrical, data, and security systems in some interior areas, all new HVAC, and repairs to damaged masonry and concrete work at the exterior.



### Hennen Building Historic Assessment and Renovations

Thrasher was asked to evaluate the structure and develop a report with cost estimates for historic re-adaptation of the Hennen Building. Subsequently, we rehabilitated the exterior envelope – including the street level façade – designed interior office layouts, produced bid documents, and oversaw construction. Once completed, this re-adapted historic structure became viable commercial space in downtown Fairmont. The Thrasher Group earned a “Best Exterior Rehabilitation” award by Main Street West Virginia for this project.





### Jones Historic Building Renovations and Upgrades

Thrasher was hired by the State of West Virginia to survey the 80-year-old building on the grounds of a large juvenile correctional facility, develop plans and produce construction documents to rehabilitate the two main floors of the building into dormitories, educational spaces and administrative offices. Work included demolition of past renovation work, replacing finishes, ceilings and flooring, replacement of doors and hardware, all new lighting, electrical, data, security and HVAC systems on the interior, and repairs to damaged masonry and concrete work, new ADA compliant entrances and expanded parking areas.







## Doddridge County Commission Exterior Renovations and Historic Rehabilitation

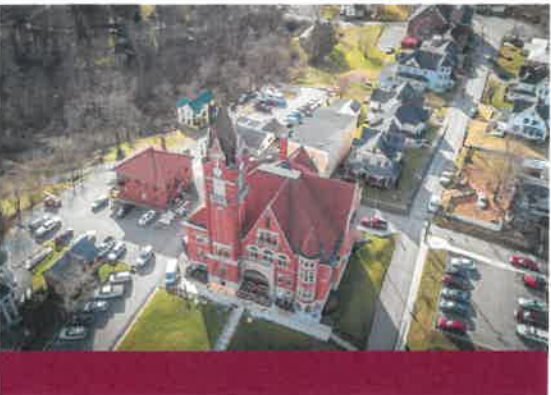
Client Contact:

Ronnie Travis, Commission President

108 East Court Street, Suite 1 | West Union, WV 26456  
304-873-2631



The Thrasher Group was hired by the Doddridge County Commission to perform several exterior renovations and a historical rehabilitation of the existing Doddridge County courthouse in 2017. Thrasher was tasked with evaluating the dilapidated structure and designing a solution that not only worked for the Commission's budget, but also preserved the historic nature of the facility. Thrasher's West Virginia State Historic Preservation Office (WV SHPO) approved architect, Lee Gustafson, worked closely with the Commission to ensure that all their needs were met, and that WV SHPO approved crucial design elements.



This project required the Thrasher team to work within a very tight project site, and to also keep the courthouse open throughout the entire renovation. Close attention was paid to project staging to safeguard the property throughout construction.

With the bigger picture in mind, the Thrasher team also designed these exterior solutions with consideration given to future interior projects. By consciously phasing the job, Thrasher was able to secure additional grant money to help expand the scope of work to include a second phase which will remedy accessibility and life safety issues throughout the facility.



## LEED-certified Buildings

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THRASHER



**Dominion Resources, Inc.  
New Headquarters**

Mr. William Murphy, Manager  
518 East Pittsburgh Street | Greensburg, PA  
724-996-5907

Thrasher completed the new 129,000 SF new Dominion Headquarter office located in Bridgeport, WV in 2015. The building features green design technologies and is the largest privately owned LEED accredited facility in the State of West Virginia.

For this project, Thrasher was responsible for architectural design, project management, schematic and final design, permitting, construction documentation, and construction oversight. The project also features landscape architectural design and interior design by the Thrasher team.

Allegheny Design Services partnered with Thrasher on this project to provide mechanical, electrical, plumbing, and structural engineering services.







## Dominion Resources, Inc. Delmont, PA Office

Client Contact:

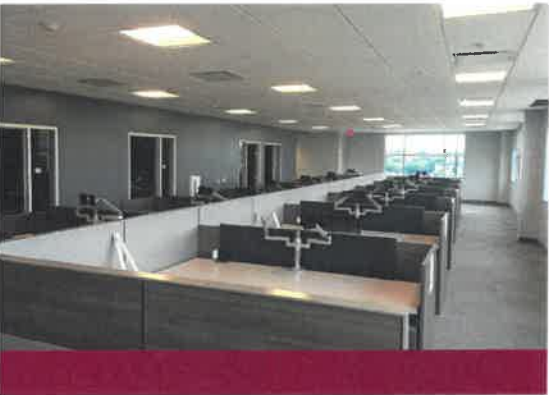
Mr. William Murphy, Manager

518 East Pittsburgh Street | Greensburg, PA

724-996-5907



Dominion Energy needed a new office building for their regional division out of Delmont, Pennsylvania. As an energy company, efficiency was at the top of the priority list for this project. The Thrasher Group was hired to lend LEED (Leadership in Energy and Environmental Design) expertise on the building, with hopes of LEED Silver accreditation. While the approval of this accreditation has not yet been determined, the building presents many of the qualifications for this award. Additionally, this building was designed to be architecturally unique and eye-catching. It offers a less traditional shape and form, with brick and stone exterior and abundant window space for natural light.





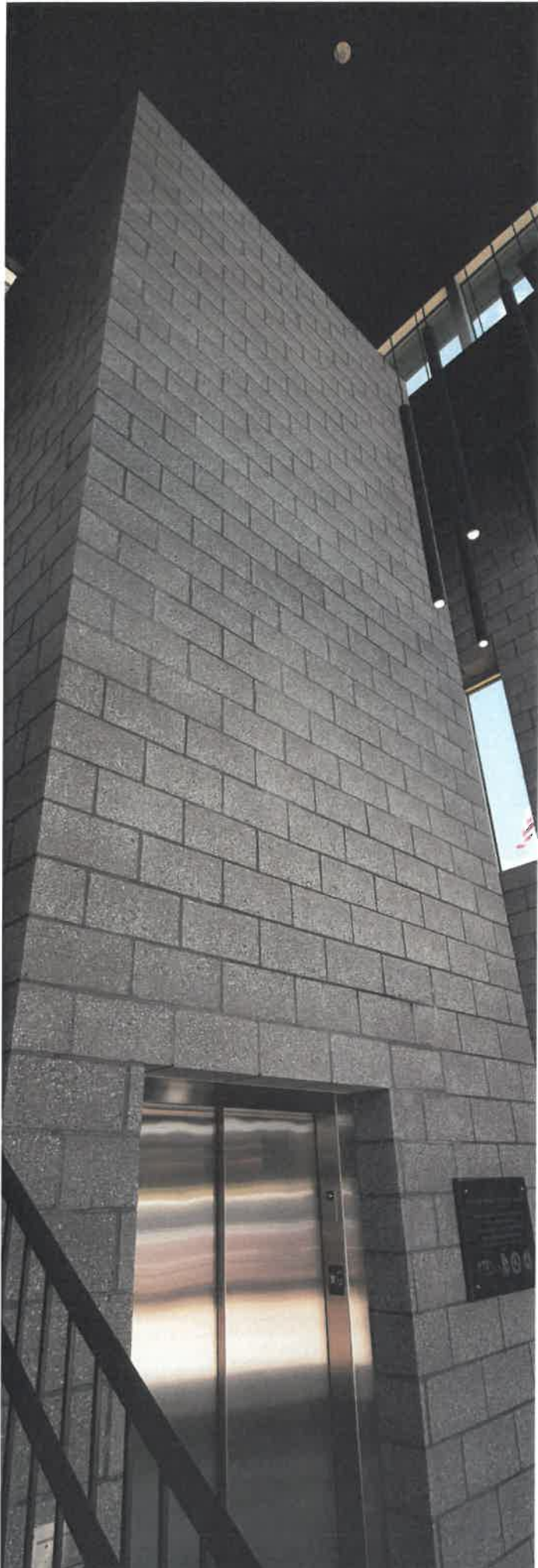
## Dominion Resources, Inc. Summersville City Plant

Client Contact:  
Mr. William Murphy, Manager  
518 East Pittsburgh Street | Greensburg, PA  
724-996-5907

The Summersville City Plant is the first warehouse in West Virginia to certify under LEED v4. The 9,500 square foot building serves as a distribution center for Dominion field workers and two full-time office staff. The building was designed using an integrative process that began at pre-design and continued through all phases of design.

Through enhancements to the envelope and building systems, the facility is 28 percent more energy efficient than a standard building of this size, style, and type. All of the electricity comes from green power. The building envelope is comprised of ultra-high insulated panels. White roofing material and light-colored concrete reduce the solar heat gain and “heat island effect.” Permeable concrete at the perimeters of the driving surface returns rainwater to the aquifers, and a series of bio-swales and bio-retention cells retain any hardscape run-off and rainwater from the roof.

On the interior, focus was placed on creating a safe and healthy environment utilizing materials, glues, sealants, paints, etc. with little to no V.O.C. off-gassing. The interior environment benefits from high-level acoustic performance, high-efficient air filtration, and daylighting for all regularly occupied spaces. By using high-efficiency water fixtures the building uses 43% less water than the standard baseline building.

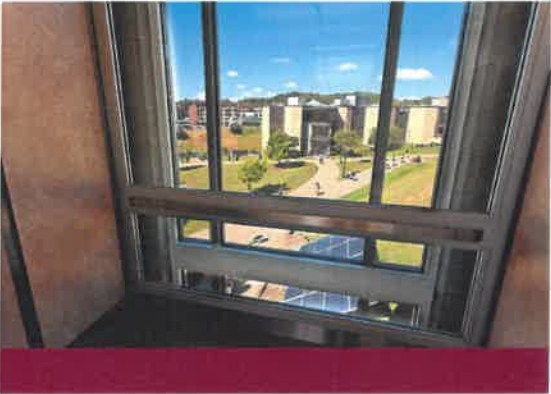


## Elevators

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THRASHER





**Fairmont State University Ruth Anne Musick Elevator Addition and Walkway**

Client Contact:  
Mr. Tom Tucker – Assistant VP of Facilities  
1201 Locust Avenue | Fairmont, WV 26554  
304-367-4110

In the spring of 2012, Thrasher opened bids for the addition of a new, two-story elevator at the Ruth Anne Musick Library on the main campus of Fairmont State University. For the project, the team at Thrasher provided design services, development of bidding documentation, project specifications, construction administration, and elevator permitting and certification protocol. Thrasher’s thorough design drew the attention of several Contractors, and ultimately bids came in well under budget. The new elevator occupies a footprint of roughly 300 SF per floor, and required site work such as excavation, engineering a new foundation, and the relocation of existing utilities.

As part of the elevator addition project, Thrasher’s engineers implemented a much needed walkway to connect the library to one of FSU’s busiest student parking lots. The design of the walkway utilized a “double t” walking bridge to allow access to the lot from the second story of the library. The addition of a new entrance/exit point has helped students more easily maneuver the hilly terrain of Fairmont State’s campus. Over the years, the Ruth Anne Musick Library has become a resource for people all throughout the community, not just enrolled students



## Huntington Tri-State Airport New Elevator Addition

Client Contact:

Mr. Brent Brown, Airport Director

1149 Airport Road | Huntington, WV 25704

304-453-6165

Thrasher worked with Harper Engineering to create a new elevator addition at Huntington Tri-State Airport. This standalone elevator and stair tower was designed to provide an accessible route from the parking level to the terminal level of the airport. The work involved for this project included HVAC upgrades, bringing all sprinklers up to code, installation of all electrical work, and creating a new fire alarm design.





## Best Western Elevator Addition

Client Contact:

Sushil Mehta - DD&B Construction

17B Firstfield Road | Gaithersburg, MD 20878

301-869-8415

Thrasher along with Harper Engineering were hired by DD&B Construction to install a new elevator at the Best Western in Clarksburg, WV. The initial work involved for this project was HVAC upgrades, installation of new plumbing, bringing all sprinklers up to code, installation of all electrical and creating a new fire alarm design.



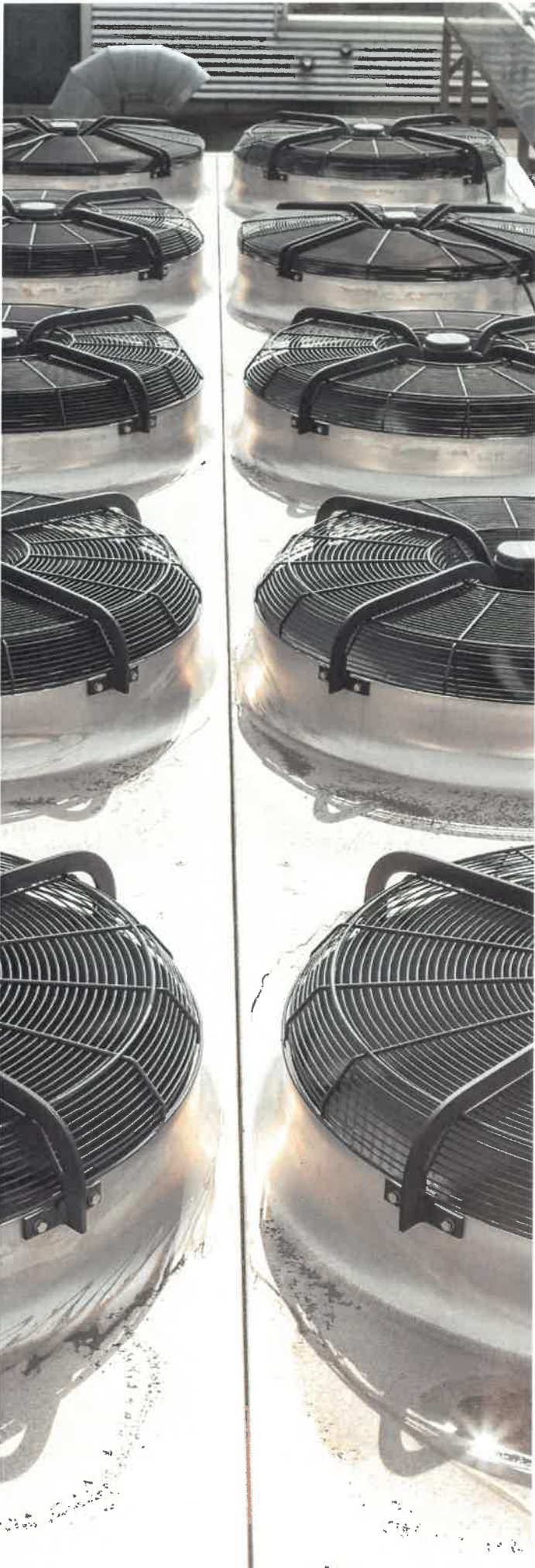
**IOOF Lodge Elevator Addition and Automatic Fire Sprinkler System**

Client Contact:  
IOOF Lodge  
P.O. Box 22  
Morgantown, WV 26507

This project included a new automatic fire sprinkler system, new fire alarms, and the addition of an elevator. The sprinkler system design was executed by Brewer & Company of WV.

The design required sprinklers be installed on the main floors of the lodge as well as in the nightclub and restaurant that share the ground floor of the building.





## HVAC and Generators

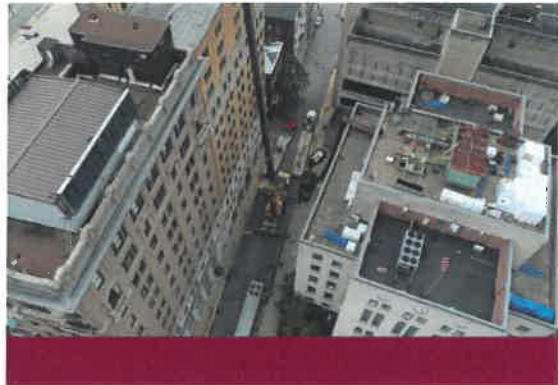
THRASHER

## Harrison County Courthouse

Client Contact:  
Ron Watson, Commission President  
301 West Main Street | Clarksburg, WV  
26301  
304-624-8500

Thrasher worked with the Harrison County Commission at the County Courthouse to upgrade their sprinkler system to meet the state fire code. Thrasher teamed up with Harper Engineering to get floors 2-6 and attic space designed for a new sprinkler system.

Thrasher worked with the County Commission on this project through a Courthouse Facilities Improvement Grant. Our team provided a phasing plan to the County Commission on how much they could afford each calendar year. Phase 1 of the job consisted of as built plans for the 2nd floor and sprinkler design. The work also included a new standpipe, backflow preventer and all sprinkler lines and heads needed to cover 2nd floor area per design. Demo and patching was also required to bring the new system into the old facility.







### Hardy County Public Service District New Office Building

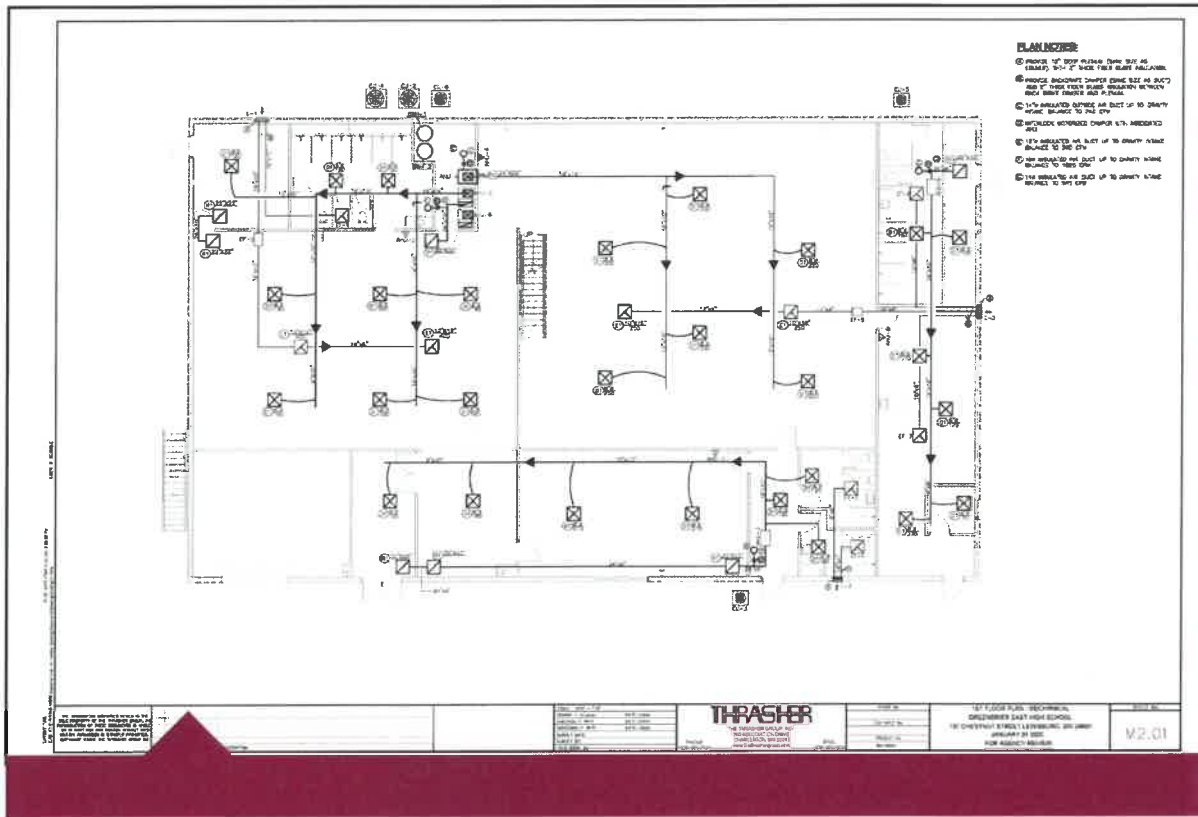
Reference:

Mr. Logan Moyers, General Manager  
2094 US 220 South | Moorefield, WV 26836  
304-530-3048

Thrasher is designing a new office building for the Hardy County Public Service District. This project included the design of the heating, ventilating and air conditioning (HVAC) systems for a Maintenance Garage (4,060 SF) and Office area (1,855 SF).

The Maintenance Garage is heated and ventilated only. Heating is provided by natural gas unit heaters and ventilation is provided by wall mounted exhaust fans and associated intake air louvers. Maintenance Garage office is heated and cooled by a ductless mini-split heat pump system.

The Office area is heated and cooled by gas heat / electric cool split system with ducted air distribution. Toilets are exhausted via a ceiling mounted exhaust fan ducted to the outside.



### Greenbrier County High School Football Building

Reference:

Mr. George Brooks, Director of Maintenance  
63 Church St | Lewisburg, WV 24901  
304-647-6461  
gbrooks@k12.wv.us

This project included the design of the heating, ventilating and air conditioning (HVAC) systems for locker rooms, weight room and offices (8,435 SF with 1,792 SF mezzanine).

Spaces are heated and cooled by gas heat / electric cool split systems with ducted air distribution. Spaces are zoned to allow similar spaces to be served from the same system. Toilets and locker rooms are exhausted via ceiling mounted exhaust fans ducted to the outside.



### Grafton Housing Authority HVAC Renovation

Reference:

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

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

## Yeager Airport Generator

Client Contact:

Mr. Nick Keller, Airport Director

100 Airport Rd., Suite 175 | Charleston, WV  
25311

304-344-8033

The Thrasher Group was hired by the Yeager Airport to assist with generators for their rental car facility and maintenance facility. Our team designed and sized the generators, bid the projects, and administered the construction contract for each generator. The rental car facility generator is natural gas powered and provides electricity during power outages for four maintenance bays and automatic car washes. The maintenance facility generator is diesel powered and provides electricity during power outages for the Airport's two maintenance buildings and operations.







## Parking Lots

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### **Doddridge County Athletic Complex Parking Lot**

Client Contact:

Mr. Adam Cheeseman, Superintendent

1117 WV Route 18 N | West Union, WV 26456

304-873-2300

The Thrasher Group recently provided services to the Doddridge County Board of Education for a new athletic complex. The complex is comprised of a football field, baseball field, track, and Board of Education office. To ensure appropriate parking was available for these new amenities – both for Board staff members and visitors to the facility – Thrasher provided a new lot with approximately 400 parking spaces, including ADA access.

The Thrasher team performed grading, pavement design, stormwater management, and inlet design for the parking lot, as well as lighting and securing design. Additionally, bus traffic had to be taken into consideration when providing concepts for Board. A bus loop was included to accommodate traveling teams, providing a route for school bus drop off and pick up, in addition to car traffic circulation.





## WVU Medicine Lot J82

Client Contact:

Jim Snider, WVU Medicine Project Manager  
304-598-4125

WVU Medicine was in need of additional parking to accommodate visitors to Ruby Memorial Hospital. The Thrasher Group was hired to handle a variety of site development components for this project. An existing apartment complex was demolished to provide the land for the lot, which added approximately 400 spaces for parking. Thrasher’s engineers provided grading, pavement design, stormwater management, and lighting and security design.

Because of the location of the project, there were several complexities involved. One of the most important aspects was considering the use of the lot in its design – not only will it be a parking facility for the hospital, but a tailgating space for WVU football games. Because of this, there were restrictions on where islands and other features could be placed. Additionally, utility lines were pre-existing on the site but needed to be relocated during the project process. To accomplish this, Thrasher had to coordinate with the Morgantown Utility Board, WVU Medicine, and the University. These entities – as well as MonPower – were involved throughout the design process to ensure all needs were met.



## Fairmont State University Roadway and Parking Lot Projects

Client Contact:  
Ms. Stephanie Degroot  
304-367-4401  
[stephanie.degroot@fairmontstate.edu](mailto:stephanie.degroot@fairmontstate.edu)

The Thrasher Group has provided a number of designs and renovations to parking lots, roadways, and infrastructure at Fairmont State University over the years. One of these projects included improvements to East and West Campus Drive. These roads serve as the main thoroughfares for vehicular entrance and access to campus for both Fairmont State and Pierpont Community and Technical College.

The modifications involved in this project improved traffic flow to campus and facilitated access to future buildings sites. The construction was imperative to support the growth of Pierpont Technical College and Fairmont State University. Thrasher provided a full relocation effort for the existing site utilities, as well as the design of a major storm water and wastewater collection system. The final road design featured turn lanes, traffic circle, sidewalks, handicap accessibility, drainage, parking areas, retaining walls, landscaping, and paving.



**Yeager Airport**

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

**City of Beckley**

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

**Fairmont State University**

Ms. Stephanie Degroot  
304-367-4401  
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