

August 29, 2018

Attn: Department of Administration, Purchasing Division  
2019 Washington Street East  
Charleston, WV 25305-0130

RECEIVED  
2018 AUG 27 AM 9:26  
WV PURCHASING  
DIVISION

*Re: Camp Dawson Building 246 Renovation*

Dear selection committee members:

The Thrasher Group is pleased to present our qualifications for designing and developing construction documents to renovate Building 246 at Camp Dawson. Our multi-disciplinary team of architects, construction administrators, and engineers will work together to ensure a smooth, seamless process for your project.

The Thrasher team has a history of success in renovation projects that will bring several advantages to Camp Dawson's renovation project:

- > **Experience with complex renovations** - In our 35 years of business, we have worked on many complex renovations. Some of these projects - including Fairmont State University and the US Marine Corps - have given us the knowledge and experience to make your renovation a success.
- > **Knowledge of cost estimating** - Cost is a concern in every project and one that we take seriously. We understand the cost estimating process and the importance of providing accurate estimates.
- > **Familiarity with base** - Our team has an intimate familiarity with the Camp Dawson facility. Thrasher has provided utility work at the base previously, and our facility project manager, Joe Sinclair, has personally stayed in the Camp Dawson barracks during his nine years in the Army National Guard.

Thrasher will be teaming with two sub-consultants to see your project to its completion: Allegheny Design Services, a structural and MEP company, and NGE Environmental and Geotechnical Engineering Solutions.

We appreciate the opportunity to present our qualifications and look forward to further discussing Camp Dawson's needs.

Sincerely,  
THE THRASHER GROUP, INC.



Craig Baker, CEFP  
Principal

## MISSION

To improve the communities where we live and work by driving infrastructure development.

## VISION

To be the Mid-Atlantic firm of choice for clients and employees.

## CORE PRINCIPLES

Quality  
Safety  
Adaptability  
Integrity



# 35

**YEARS**  
of delivering  
successful  
projects



# 580

**EMPLOYEES**

**34** Licensed  
Professional Engineers

**20** Licensed  
Professional Surveyors

**6** Licensed  
Professional Architects



# 9

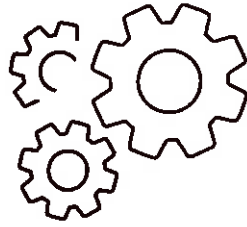
**OFFICES**  
in six states:

West Virginia  
Virginia  
Pennsylvania  
Ohio  
Maryland  
Kentucky

### Main Point of Contact

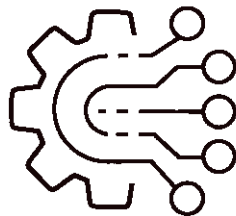
Joe Sinclair, AIA, NCARB, LEED AP  
Project Manager  
JSinclair@thethrasher.com  
Cell: 304-518-9304  
Office: 304-343-7601





## SERVICES

- > Architecture
- > Engineering
- > Construction Management
- > Survey
- > Environmental
- > Materials Testing and Inspection



## CORE MARKETS

- > Industrial
- > Commercial
- > Oil and Gas
- > Public/Private Utilities
- > Land Development
- > Highways and Roads
- > Education (K-12, Higher Ed)



## ARCHITECTURE

Thrasher offers a broad range of architecture and building design services to suit the needs of each individual client. The team at Thrasher is sought after in a variety of markets: commercial and retail spaces, healthcare facilities, educational facilities, government buildings, banking and financial institutions, and industrial warehouses to name a few.

We have experience in numerous delivery systems, including design-build, design-bid-build, and have worked with owners to develop preliminary packages for alternative selection.

At Thrasher, we pride ourselves on exemplary aesthetic design while keeping our roots firmly planted in accurate cost estimating, budget control, and sustainability. Fulfilling our clients' needs in a responsible and innovative way has earned our firm recognition throughout the Mid-Atlantic region.

### Architectural Expertise:

- > Public and Private Office Buildings
- > Healthcare Facilities
- > Educational Facilities
- > Financial Institutions
- > Building Additions and Renovations
- > Recreational Facilities
- > Public Safety Buildings
- > Single Family Residential Units
- > Multiple Family Residential Units
- > Historical Preservation
- > LEED Certification



## CONSTRUCTION ADMINISTRATION

Effective management of our projects ensures that both clients and contractors work in an efficient and safe manner. From pre-construction activities - such as bid conferences and surveys - to inspections, job progress reviews, and on through final completion, our goal is work that proceeds in accordance with plans and specifications.

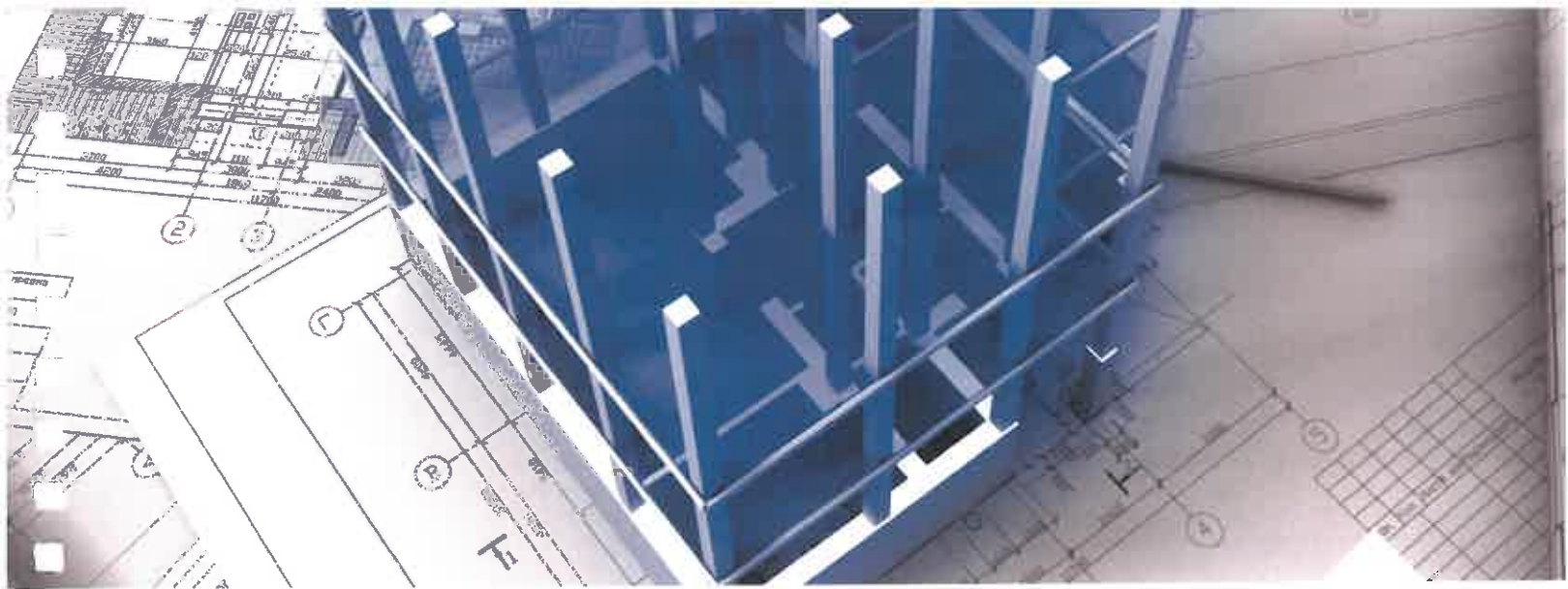
At Thrasher, we inspect and manage a wide variety of projects designed by our firm in addition to projects for contractors and other designers. We have certified project representatives responsible for overseeing every element of design integrity. Our methods have earned the respect of not only our clients, but contractors and project owners alike.

### Construction Inspection Services:

- > Construction Materials
- > Pipelines
- > Structural Steel & Concrete
- > Paving
- > Drainage
- > Embankments
- > Work Zone Safety & Traffic Control
- > Erosion and Soil Control

### Quality Control and Assurance Methods:

- > Regularly Scheduled Planning and Progress Meetings
- > Engineering During Construction
- > Daily Logs and Progress Sheets
- > Cut Sheets
- > Quantity Tracking



## BUILDING INFORMATION MODELING

Thrasher uses the components of BIM on every architectural project we undertake because of the benefits it provides during design process for construction and the advantage it gives to our clients with the finished product. Thrasher has developed a unique set of BIM standards that are utilized on every project from design through construction. Thrasher uses programs such as Revit for architectural, structural, mechanical, electrical and plumbing design, and 3D visual design; Autodesk 3Ds Max for realistic visualization; Autodesk Civil 3D 2015 for civil and site work; Autodesk Navisworks for additional coordination efforts before a project has been bid; and TimeLiner to develop a simulated construction schedule that may be analyzed and improved throughout the project. Thrasher recognizes the importance of each program to the cohesion of the final product, and understands that our integrated approach to using BIM results in successful, timely, and budget-friendly projects for our clients.

### Why Thrasher Utilizes BIM:

- > Public and Private Office Buildings
- > Healthcare Facilities
- > Educational Facilities
- > Financial Institutions
- > Building Additions and Renovations
- > Recreational Facilities
- > Public Safety Buildings
- > Single Family Residential Units
- > Multiple Family Residential Units
- > Historical Preservation
- > LEED Certification



## SURVEY AND MAPPING SERVICES

Thrasher employs one of the largest survey departments in the Mid-Atlantic region and offers a wide range of land surveying and related services for federal, state, and private clients. We are committed to evolving our techniques and equipment to best serve our clients and their growing needs.

At Thrasher, we are able to provide both surveying and engineering services which provide a distinct advantage over survey-only companies. The combination of these two services provide our surveyors with a better understanding of what engineers and architects require to develop an appropriate design for different types of projects. Our field and survey personnel offer extensive experience, certified training, and flexibility to meet our clients' unique project schedules.

### Route Location Surveys:

- > Transmission Lines
- > Natural Gas Pipelines
- > Wind Turbine
- > Roadway, Railway, and Rec Trails

### GPS Surveys:

- > Geodetic Control Networks
- > Ground Control for Aerial Mapping
- > Telecommunications
- > FAA 1A and 2C Letters

### General Survey Services:

- > Large-Scale Boundary Work
- > Topographic Survey and Mapping
- > ALTA/ACSM Survey and Mapping
- > Lake and River Soundings
- > Accident Reconstruction Survey & Mapping
- > Drug-free Zone Mapping
- > Expert Witness Testimony
- > Construction Layout
- > Permanent Project GPS Base Stations
- > Building Control and Layout
- > Road/Bridge Alignment and Staking
- > Sewer/Water/Pipeline
- > Site Layout
- > Quality Assurance Surveying
- > Volume/Quantity Surveys
- > As-Built Surveys

### Coal and Energy Surveys:

- > Pre and Post Mining Blast Surveys
- > Water Quality Monitoring Plan
- > Construction Layout
- > Emergency Control Survey/Plans



## SITE DEVELOPMENT

Engineering for site development is far from a “one size fits all” approach. Every project is unique and requires a blend of technical expertise, planning principals, efficient design, market realities, and the flexibility to seize opportunities. With our diverse staff, Thrasher has a winning combination of talent to take projects from design to reality.

At Thrasher, we understand that the design of a successful site development project must factor in economic landscape, political implications, and strategic planning that takes projects beyond engineering. The Thrasher team possesses expertise in every facet of development, including site selection and planning, grading, storm water management, erosion and sediment control, permitting, and infrastructure design.

We pride ourselves on being a partner in projects that improve the quality of life for residents and provide economic sustainability to communities.

### Site Development Expertise:

- > Industrial and Business Parks
- > Mixed-Use Developments
- > Athletic Facilities
- > Federal Correctional Facilities
- > Streetscapes and Sidewalk Planning
- > Commercial Developments
- > Single and Multi-Family Residential Development
- > Primary, Secondary, and Higher Education Facilities
- > Recreational Resorts and Guest Lodging
- > Shopping Plazas



# PROPOSED STAFFING PLAN



STATE OF WEST VIRGINIA  
DEPARTMENT OF ADMINISTRATION

THRASHER

Joe Sinclair, AIA, NCARB, LEED AP  
Project Manager

Craig Baker, CEFP  
Principal

Amanda Cheuvront, AIA, NCARB  
Project Architect

Mark Nickell  
Architecture Project Designer

Bill Ratcliffe, REFP  
Construction Contract Administrator

James Decker, MBA  
Construction Estimator

Jacob Darrah, GISP  
Survey Specialist

Rob Milne, PE  
Site Project Manager

Shawn Kelly, PE  
Project Engineer



David Simpson, PE, SECB, MBA  
President/ Principal Engineer

Mike Chancey, PE, LEED AP  
MEP Department Manager

David Cotton, PE, LEED AP BD+C  
Senior Mechanical Engineer



John Nottingham, PE, PS  
NGE President

# CRAIG BAKER, CEFP

Principal



## 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
- > Council of Educational Facilities Planner
- > West Virginia Energy Services Coalition
- > The Education Alliance Business and Community for Public Schools - Board of Directors

Craig Baker, CEFP is an experienced designer and manager with an extensive background working with clients to design, plan, and manage projects both large and small. As a Certified Educational Facilities Planner (CEFP), 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 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

### Camp Upshur Marine Corps Base, Quantico, VA Upgrades

Role: Principal

- > Prince William County, VA

### VA Building 7 Renovations

Role: Principal

- > Harrison County, WV

### North Central West Virginia KCI/V-1 Service Airport Renovations -

Role: Principal

- > Harrison County, WV

### WV Board of Pharmacy New Office Interior Renovations

Role: Principal

- > Harrison County, WV

### Grafton Housing Authority Multiple Living Facility Renovations

Role: Principal

- > Taylor County, WV

# JOE SINCLAIR, AIA, NCARB, LEED AP BD+C, CDT

Project Manager



Joe brings more than 10 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 is an Iraq War Veteran and former member of the West Virginia Army National Guard. 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 utilizing building information modeling (BIM) software for project development, documentation, and management.

## Education

Master of Architecture,  
Savannah College of Art &  
Design

Bachelor of Science,  
Architectural Engineering  
Fairmont State University

## Registrations

Professional Architect:  
> West Virginia

## Affiliations

- > American Institute of Architects – West Virginia Chapter
- > United States Green Building Council (USGBC) – West Virginia Chapter

## Experience

### Boy Scouts of America Dining Hall and Bunkhouse

Role: Project Manager  
> Fayette County, WV

### Central West Virginia Regional Airport Authority Yeager Airport Rental Counter Renovations

Role: Project Manager  
> Kanawha County, WV

### Harrison County Commission Courthouse HVAC Replacement

Role: Project Manager  
> Harrison County, WV

### WV Division of Weights and Measures HVAC & Envelope Retrofit

Role: Project Architect  
> Kanawha County, WV

### Design of the Harrison/Taylor E911 Center

Role: Project Architect  
> Harrison County, WV

### Carlisle Barracks Military Housing

Role: Project Architect  
> Cumberland County, PA

### Navy Southeast Military Housing

Role: Project Architect  
> Southeast US

### Reception Station Barracks

Role: Project Architect  
> Chattahoochee County, GA

### Picatinny Arsenal Military Housing

Role: Project Architect  
> Morris County, NJ

# 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, 2019.*



A handwritten signature in cursive script, appearing to read "Grady R. [unreadable]", written in dark ink on a light-colored background.

Board Administrator

# AMANDA CHEUVRONT, AIA, NCARB

Project Architect



Amanda Cheuvront, AIA, NCARB is a highly talented project architect with a portfolio ranging from small interior renovations to large campus planning endeavors. Over the past decade, Amanda has been involved with numerous commercial building projects and has also specialized in healthcare and educational facility design.

Her experience has included all facets of project development, including client relations, design proposals, presentations, programming, project coordination, marketing, feasibility studies, and construction administration. Her versatility and knowledge working throughout the Mid-Atlantic region make her a great manager and a powerful addition to any team.

## Education

Master of Science,  
Architecture  
University of North Carolina at  
Charlotte

Bachelor of Science,  
Architectural Engineering  
Fairmont State University

## Registrations

Registered Architect:  
> West Virginia

## Affiliations

> American Institute of  
Architects (AIA) - WV  
Chapter

## Experience

### Barboursville Middle School Additions and Renovations

Role: Project Architect  
> Cabell County, WV

### Cabell County Career Technology Center and Spring Hill Elementary Renovations

Role: Project Manager/  
Architect  
> Cabell County, WV

### Midland Trail High School Additions and Renovations

Role: Project Manager/  
Architect  
> Fayette County, WV

### Milton Pre-Kindergarten Additions and Renovations

Role: Project Manager/  
Architect  
> Cabell County, WV

### Additions and Renovations to Valley High School

Role: Project Architect  
> Fayette County, WV

# The West Virginia Board of Architects

certifies that

AMANDA JO CHEUVRONT

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, 2019.*



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

Board Administrator

## Architecture Project Designer

### Education

Master of Architecture  
University of Tennessee

Bachelor of Science,  
Architectural Engineering  
Fairmont State University

### Affiliations

- > National Council of  
Architectural Registration  
Boards (NCARB)

Mark Nickell is an Architectural Project Designer with The Thrasher Group. His work in this role ranges from commercial to residential fields. Working alongside an architect, Mark sees through all phases of a project, from conceptual design to construction documents. He is classified through the National Council of Architectural Registration Boards as an emerging professional on the path to licensure.

Mark is a West Virginia native, raised in Hico, WV, and received his bachelor's in architecture from Fairmont State University. He spent three years in Tennessee pursuing his master's degree, where he worked in multiple professional entities as a student designer. During this time, he worked to design high-end, single-family residential work and completed schematic designs of a brewery/retail shop. Additionally, Mark's work for a design-build project won several state awards and a national award – the 2017 Brick in Architecture Gold Award.

### Experience

#### Lafayette Town Center

Role: Project Designer

- > Spotsylvania County, VA

#### Boy Scouts of America Camp

##### A & B Dining Hall and Bunk

##### House

Role: Project Designer

- > Raleigh County, WV

#### Minerai Wells Weigh Station

Role: Project Designer

- > Wood County, WV

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*Mark's education concentrated on urban design and sustainable design, with a particular interest in urbanization of Central Appalachia.*

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# BILL RATCLIFFE, REFP

Construction Contract Administrator



Bill Ratcliffe, REFP has more than two decades of experience 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, and construction phases on hundreds of projects.

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.

## Education

Regents Degree,  
West Virginia State University

## Registrations

> Recognized Educational  
Facility Planner (REFP)

## Experience

**Central West Virginia  
Regional Airport Authority  
Yeager Terminal Roof  
Rehabilitation Phase I**  
Role: Construction  
Administration  
> Kanawha County, WV

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

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

Role: Construction  
Administration  
> Kanawha County, WV

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

Role: Construction  
Administration  
> Jefferson County, WV

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

Role: Construction  
Administration  
> Pleasants County, WV



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
- > City of Fairmont, BOCA Board of Appeals
- > Water Commissioner

Jim Decker, MBA brings over 25 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

### Fairmont State University Library Addition and Renovations

Role: Construction Estimator  
> Marion County, WV

### Marion County Health Department Renovations

Role: Construction Estimator  
> Marion County, WV

### Harrison County Commission Courthouse HVAC Replacement

Role: Construction Estimator  
> Harrison County, WV

### MVA Shinnston Clinic Renovations

Role: Construction Estimator  
> Harrison County, WV

### Fairmont State University Engineering Building Addition and Renovations

Role: Construction Estimator  
> Marion County, WV

Survey Specialist



Jacob Darrah has over a decade of experience as a GIS professional, and has spent the last seven years of his career working primarily with clientele in the oil and natural gas industry. During this time, Jacob has been involved with the development of hundreds of miles of pipeline as-builts spanning the entire Mid-Atlantic region. His keen understanding of the as-built process and ability to quickly complete projects has earned him numerous repeat clients.

As part of Jacob's role as the Senior GIS Manager, he is involved with every facet of his clients' projects including data management, geodatabase creation, crew management and developing new job-site processes.

## Education

Bachelor of Science,  
Environmental Protection  
West Virginia University

## Affiliations

- > Certified Geographic Information Systems (GIS) Professional

## Experience

### Tyler County Courthouse Renovations

Role: Project Manager  
> Tyler County, WV

### Pipeline Slip Inspection

Role: Project Manager  
> Barbor County, WV

### Pad As-built

Role: Project Manager  
> Doddridge County, WV

### Well Pad Laser Scanning

Role: Project Manager  
> Marshall County, WV

### Preston County Aerial Photography

Role: Project Manager  
> Preston County, WV

# ROB MILNE, PE

Site Project Manager



## Education

Master of Science,  
Civil Engineering  
West Virginia University

Bachelor of Science,  
Civil Engineering  
West Virginia University

## Registrations

Professional Engineer:

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

## Affiliations

- > Leadership Monongalia County, WV
- > Foundations of Leadership/  
National Leadership Institute

Rob 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. A recent example of this work can be seen along Interstate 79 in Morgantown, West Virginia. Rob managed a large portion of the site design for the West Ridge development, an 800-acre mixed use site, which will house over 350,000 square feet of retail space. Rob is able to deliver these success stories because he remains involved with every facet of the projects he manages—overseeing design standards, staff assignments, project schedules, and client communication.

## Experience

**Boy Scouts of America  
Welcome Center Site  
Planning and Master  
Conceptual Design**  
Role: Project Manager  
> Fayette County, WV

**City of Beckley New Police  
Station**  
Role: Project Manager  
> Raleigh County, WV

**America's Best Block  
Industrial Park**  
Role: Project Manager  
> Mineral County, WV

## Fayette County 911 Center

Role: Project Manager  
> Fayette County, WV

## Town of Franklin Sidewalk

Role: Contract Administrator  
> Pendelton County, WV

## North Pointe Industrial Park

Role: Project Manager  
> Preston County, WV



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

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**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, 2018**

# SHAWN KELLY, PE

Project Engineer



Shawn Kelly, PE, brings over 14 years of experience to the Site Development Division. His knowledge of site development has taken him across the State of 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 various 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 Site Development Division.

## Education

Bachelor of Science,  
Civil Engineering  
West Virginia University

## Registrations

Professional Engineer:

- > West Virginia
- > Virginia
- > Kentucky

## Experience

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

Role: Project Engineer  
> Fayette County, WV

**WVU Medicine Building Site  
Design**

Role: Project Engineer  
> Monongalia County, WV

**Upshur County Industrial  
Park Drainage Calculations**

Role: Staff Engineer  
> Upshur County, WV

**Putnam PSD Water Project**

Role: Staff Engineer  
> Putnam County, WV

**Corridor H Davis to Bismark  
E&S Control**

Role: Staff Engineer  
> Grant County, WV

**Pad 1A4 in Westridge  
Commercial and Retail  
Development**

Role: Project Engineer  
> Monongalia County, WV



STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS

To all to whom these presents shall come Greeting  
Know Ye That The State Board of Registration for Professional Engineers  
of the State of West Virginia, reposing special confidence in  
the Intelligence, Integrity and Discretion of

**Sharon R. Kelly**

**DOES IN PURSUANCE OF AUTHORITY VESTED IN IT**  
by law hereby certify that he having submitted  
satisfactory evidence of his ability and experience is a

**REGISTERED PROFESSIONAL ENGINEER**

Registration Number: [REDACTED]

To Hold and use such title in the practice of his profession,  
subject to the conditions prescribed by law.



Given under the hand of the  
President of the Board in the  
City of Charleston,  
this 22nd day of November  
in the year of our Lord 2008  
and of the State  
the One Hundred Fifty Third

Members of the Board

*[Handwritten signatures]*  
B. L. [unclear]  
L. E. [unclear]     [unclear]     L. C. [unclear]

## MEP and Structural Engineering

### Structural Services

Allegheny Design Services (ADS) works closely with architects and contractors to provide the engineering support that turns 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 is the link between the architect's design, the contractor's finished structure, and the owner's satisfaction.

### MEP Services

Allegheny Design Services (ADS) provides complete MEP engineering services to our clients across the country.

Allegheny Design Services (ADS) works closely with architects and contractors to provide the engineering support that turn their vision into reality.



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

ADS 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 architect's creativity and the efficient construction of the project.

### Experience with Thrasher

#### City of Beckley New Police Station

Role: MEP & Structural Engineer  
> Raleigh County, WV

#### America's Best Block Facility

Role: MEP Engineer  
> Mineral County, WV

#### Dominion Resources New Headquarter Facility

Role: MEP & Structural Engineer  
> Harrison County, WV

#### Greater Bridgeport CVB

Role: MEP & Structural Engineer  
> Harrison County, WV

#### Morgantown Event Center Parking Garage

Role: Structural Engineer  
> Monongalia County, WV

#### The Thrasher Group Headquarter Facility

Role: MEP & Structural Engineer  
> Harrison County, WV

#### Antero Resources Campus Buildings

Role: MEP & Structural Engineer  
> Harrison County, WV

## Geotechnical



NGE was founded in the fall of 2002 by Amy Veltri and John Nottingham, a management team with a combined 40 years of industry experience. Advances in engineering, science and technology, coupled with regulatory, legal, and compliance pressures, create increasingly complex challenges for businesses. NGE strives to keep pace with these changes, with an eye to supporting our clients' changing needs.

NGE has grown into a dependable and flexible environmental and geotechnical consulting firm providing a wide range of professional services, including Environmental Consulting, Geotechnical Engineering and Environmental Construction/Remediation.

Since its inception, NGE has hired and retained the best and brightest talent in the industry. Our staff have relevant experience and qualifications to complete complex environmental and geotechnical projects. After establishing a solid foundation and longstanding reputation in the region and across the nation as an innovative, sophisticated, forward-thinking environmental and geotechnical consulting firm, we are proud of our roots and the progressive environment we have created for our dedicated employees.

### **Renowned Geotechnical Work**

NGE has garnered a variety of certifications and awards over the years in the environmental and geotechnical consulting industry. These accomplishments and accolades bear testament to the impeccable standards that we strive to achieve at NGE. They help differentiate our company from our competitors and serve to distinguish our employees as the "best of the best."

### **Experience with Thrasher Doddridge Athletic Complex**

Role: Geotech  
> Doddridge County, WV

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

Role: Geotech  
> Fayette County, WV

### **City of Beckley Police Department**

Role: Geotech  
Raleigh County, WV

### **America's Best Block Facility**

Role: Geotech  
> Mineral County, WV

### **Jefferson County Airport**

Role: Geotech  
> Jefferson County, WV

### **Huntington Tri-State Airport**

Role: Geotech  
> Wayne County, WV

### **Bridgeport CVB Farmers Market**

Role: Geotech  
> Harrison County, WV





## U.S. Marine Corps Camp Upshur Marine Core Base - Quantico, VA

Client Contact:

Mr. Chris Bailey, Clement Group

913 South Perry Street | Montgomery, AL 36104

334-265-0200

### QUONSET STYLE BARRACKS:

33 Quonset style barracks were renovated to be used for office space, housing, and training rooms. The renovations to these facilities included exterior window replacement, new EPDM roofing, and new paint. For the interiors, all new walls were constructed, paint, new flooring, and updates to electrical and HVAC.

### WAREHOUSE FACILITY:

Renovations to the warehouse facility, which was used for all on-site maintenance, included exterior façade upgrades such as new metal panels and entrance canopies, along with new windows. The interior renovations added new fire rated demising wall, sprinkler system, updated storage shelving, new lay in ceiling and lighting.

### BATH HOUSE:

Renovations to the on-site bath house and restroom facility included exterior painting, roofing, and windows. Interior upgrades were all new flooring, restroom and shower layouts, new fixtures, ceilings, lighting, and updated HVAC equipment as needed.



*This project also included renovations for the Indoor Simulated Marksmanship Trainer Building, with work done on air systems, lighting, CO2 systems, projectors, screens, storage areas, floors, and ceilings.*



## **Louis Johnson Health System VAMC Building 7 Renovations - Harrison County, WV**

Client Contact:

John Bargo, Chief Engineer

1 Medical Center Drive | Clarksburg, WV 26301

304-497-4300

Thrasher's architecture department, working with Harper Engineering, took on the renovation design and construction documents for VA Building #7. The goal of this project was to renovate roughly 3900 sq. ft. of building space, including interior build-outs and extensive HVAC renovations.

The majority of the architectural work was done in the storage mezzanine, existing office spaces, women's restroom, break room, and other restrooms within the building space. We added 2x2 lay-in ceiling with lighting, enclosed the storage mezzanine with lay-in ceiling below, replaced a double entrance door with a single door and brick patching to the wall. The break room consisted of new laminate cabinets, ceilings, solid surface counter tops, relocating the sink and fridge, adding a microwave shelf above the range, adding a new electric range, and new lighting. A new door with half glass was added as well. Additionally, the women's restroom was fully gutted and updated with new ventilation, ceilings, lighting, and a toilet added in place of a shower.

## **Boy Scouts of America Pigott Base Camp Bunkhouse and Dining Hall - Fayette County, WV**

Client Contact:

Mr. Rob Ridgeway, Department Manager, Facilities

649 Jack Furst Drive | Glen Jean, WV 25846

304-646-2312

The Boy Scouts of America Pigott Base Camp is in the process of constructing a new bunkhouse and dining hall. The Bunkhouse is designed to serve as a starting and ending point for the day's adventures. The two-story building houses sleeping spaces, bathing spaces, and gathering spaces for up to 200 occupants, and is attached to the nearby Dining Hall by a courtyard and thoughtfully designed foyer that serves as the main entrance to both buildings. This area also serves as an enclosed pre-event space.

The bunkhouse is expressed as a linear organization of four wood clad lodging modules punctuated by smaller support spaces. Materials are deliberately simple and durable. The building's structure is primarily composed of open-web trusses and dimensional lumber, maximizing the use of pre-manufactured, renewable materials. The large gathering rooms are highlighted by the warmth of timber beams and decking, and expansive windows with open vistas toward Goodrich Lake and the rolling mountains. The rich palette of materials blends the building seamlessly with the natural environment and the vernacular of the existing structures of The Summit.

The new Dining Hall features an exposed timber-framed structure housing a combination of indoor seating for up to 300 people and covered outdoor dining for up to 200 people, which can be enclosed as needed. The section adjacent to the north side of the dining hall houses a commercial kitchen and restrooms, which can be accessed from several points. The overall form and materials of the dining hall were selected to integrate seamlessly with the natural Appalachian landscape.





## City of Kingwood Camp Dawson Utility Projects - Preston County, WV

Client Contact:  
City of Kingwood  
304-847-2145

Thrasher designed and inspected a series of utility projects for Camp Dawson, which included a potable water supply from the City of Kingwood, sanitary sewer service from Camp Dawson to the City of Kingwood, and a natural gas supply line to the Army National Guard Center on the Kingwood side of the Cheat River along Route 72.



These projects required all three supply lines crossing the Cheat River in the same general trench. Conduits were a 10" water line, 6" sanitary force main, and a 3" HDPE natural gas supply line.



## Fairmont State University Wallman and Turley Center Re-roofing - Marion County, WV

Client Contact:

Mr. Tom Tucker, Physical Plant Director  
1201 Locust Avenue | Fairmont, WV 26554  
304-367-4139

The purpose of this project was to complete a re-roof of two buildings located at the main campus of Fairmont State University. The buildings had been out of roof warranty for quite some time and the existing roofs had been on the building for their potential life spans. They were starting to have issues with leaking and wear and tear, which was a potential problem for the building. To address these issues, FSU needed to have the roofs replaced and have new warranties provided.

To complete this project, Thrasher used a new type of self-adhering EPDM roofing that is not commonly used in this area of the state. They used self adhering EPDM vs. that tradition glued down EPDM membrane system. This was used for two reasons: efficiency and safety. Using the self-adhering EPDM makes for a quicker process as compared to the traditional glued-down membrane system. Additionally, staff and students were continually occupying the buildings, so their safety and comfort was a priority. By using this method of roofing, there was less potential to put off fumes that would interfere with the buildings' use.



*This project was completed on time and under Fairmont State University's allotted project budget!*

The Thrasher Group's priority will be to successfully and efficiently deliver the project goals and objectives that the West Virginia Army National Guard needs accomplished. These goals include:

1. New instantaneous domestic hot water system,
2. Complete restroom renovations,
3. New and more efficient heating and cooling system,
4. New and more efficient windows,
5. New exterior and interior doors,
6. New interior and exterior LED lighting for the entire building,
7. First floor ceilings and second floor flooring repairs,
8. Addressing the freezing domestic water lines in the attic

The Thrasher Group will develop drawings and specifications for each percentage milestone to include bidding, awarding, and administering the construction contract.



## COMMUNICATION

The organizational structure included in this submission will serve as the foundation for project communication. The Project Manager, Joe Sinclair, will be the designated point-of-contact from the design team and facilitate direct communication with you.

Project meetings will also serve an important role. These meetings will be scheduled and conducted per your goals and objectives. All key personnel will attend these meetings throughout each phase of design and construction.

## SCHEDULE

The Thrasher Group will develop a project schedule to include design, bidding, and construction of the project to meet your goals and objectives. Portions of the project schedule can be condensed or expanded to meet your goals and objectives as needed. The period of construction will be stated in the contract documents and will include the option for liquidated damages. Regularly scheduled progress meetings and site visits will be conducted during construction to assess progress, schedule, and meeting design intent.

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 the West Virginia Army National Guard'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 for project management are as follows:

1. **Kickoff/Programming Meeting** – We will conduct an on-site meeting with your team to discuss specific project requirements, overall goals, and preliminary budget.
2. **Building Program** – Our team will expand upon the Project Description laid out in the Request for Proposal and work with you to develop a more detailed program which will generally include:
  - Square footage requirements
  - MEP requirements
  - Detailed list of amenities
  - Spatial adjacency requirements
  - Finish requirements
3. **Conceptual Design Phase** – Our team will take the developed program and provide multiple conceptual design iterations for review and comment. Deliverables generally included as part of this phase are:
  - Floor plans
  - Interior and exterior 3d renders
  - Conceptual finishes
  - Preliminary furnishing layout
4. **Schematic Design** – Upon approval of a conceptual design, our team will begin refining the overall design and layout of the facility and the site.
5. **Design Development** – As the project moves beyond the schematic design phase we will start to incorporate structural and MEP systems into the design and focus on details at areas of high importance.
6. **Construction Documents** – Our team will produce detailed bid-level construction documents.
7. **Bidding** – Thrasher will develop all documents required for the project to be publicly bid and will perform the necessary tasks involved.
8. **Construction Administration** – Thrasher will provide construction administration throughout the duration of the construction phase.

*Thrasher utilizes a Project Manager-driven methodology to ensure clear, open lines of communication between our Project Managers and clientele.*



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 is a concern in every project and one that we take seriously – it is important to us that we provide a transparent, thorough look at what it will take to get your project completed. To make sure that happens, we follow four important principles:

- > **Thorough construction documents** - Starting off with detailed construction documents helps the entire project run more smoothly. By laying an accurate, realistic picture at the beginning of the process, we are able to complete your project more efficiently and with fewer change orders.
- > **In-depth review process** - The Thrasher team participates in an in-depth review process to ensure there is a thorough understanding of your project. Our construction administration team visits your site in person so we know exactly what is needed for the space.
- > **Understanding of what things cost** - Thrasher has a knowledgeable construction administration team that understands what it truly costs to make things happen. Rather than relying on general industry standards, our Construction Estimator, Jim Decker, can tell you what something will cost in actuality. Jim, who has a contracting license, knows how to navigate both sides of a bid process and can deliver an accurate look at your project costs up front.
- > **Respect for your wallet** - We respect your business needs and work to ensure the lowest-cost options we can find. We also keep you updated of budget throughout the process: An initial construction cost will be calculated to reflect your budget, and construction cost estimates will be delivered with the drawings at the end of Schematic Design, Design Development, and Construction Documentation. Adjustments to size and/or quality will be made, as necessary, during each design phase to maintain your budget.



**PAST BUDGET AND SCHEDULE EXAMPLES**

PROJECT NAME	ESTIMATE	LOW BID	ON SCHEDULE
Harrison County United Technical Center Addition	\$253,864	\$218,253	✓
Doddridge County Elementary School Classroom/Restroom Addition	\$1,428,500	\$1,248,500	✓
Doddridge County Elementary School Safe School Entry	\$150,000	\$113,902	✓
Doddridge County High School Auxiliary Gym	\$1,657,500	\$1,693,000	✓
Keyser Primary School	\$11,746,635	\$11,774,645	✓
St. Marys High School	\$21,040,000	\$21,746,480	✓
Chapmanville Regional High School Auxiliary Gym	\$2,099,200	\$1,920,542	✓
Wirt County High School Re-roofing and HVAC Replacement	\$2,700,000	\$2,093,000	✓
Crichton Elementary School Safe School Entrance Additions	\$1,002,640	\$998,300	✓
Marion County Running Track / Restroom Facilities	\$1,054,900	\$967,783	✓
Pleasants Co Middle School Phase I Safe School Entry / Restroom Upgrades	\$311,800	\$299,037	✓
Eastern Greenbrier Middle School Bleachers	\$95,000	\$80,437	✓
Greenbrier West High School Bleachers	\$110,000	\$94,300	✓
Calhoun/Gilmer Career Training Center Safe School	\$305,220	\$269,911	✓
MOVTI Safe School Entrance	\$259,300	\$251,400	✓

*Thrasher has an outstanding track record of getting projects bid under the original estimate while also following a strict project schedule.*



### **Boy Scouts of America**

Mr. Rob Ridgeway, Department Manager, Facilities  
649 Jack Furst Drive  
Glen Jean, WV 25846  
304-646-2312  
Rob.Ridgeway@scouting.org


### **Dominion Resources, Inc.**

Mr. Warren Green, Director of Facilities  
925 White Oaks Blvd.  
Bridgeport, WV 26330  
304-627-3192  
warren.k.green@dom.com

### **Pleasants County Schools**

Mr. Michael Wells, Superintendent  
202 Fairview Drive  
St. Mary's, WV 26170  
304-684-2215  
gwells@k12.wv.us

**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)  
304-326-6388 / 304-624-7831  
\_\_\_\_\_  
(Phone Number) / (Fax Number)  
CBaker@thetrashergroup.com  
\_\_\_\_\_  
(email address)

**CERTIFICATION AND SIGNATURE:** By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

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

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

Craig Baker, Principal  
\_\_\_\_\_  
(Printed Name and Title of Authorized Representative)

August, 24, 2018  
\_\_\_\_\_  
(Date)

304-326-6388 / 304-624-7831  
\_\_\_\_\_  
(Phone Number) (Fax Number)

Revised 06/08/2018

STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

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

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

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

**DEFINITIONS:**

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

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

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

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

**WITNESS THE FOLLOWING SIGNATURE:**

Vendor's Name: The Thrasher Group, Inc.

Authorized Signature: *Sam Blum* Date: August, 24, 2018

State of West Virginia

County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 24<sup>th</sup> day of August, 2018

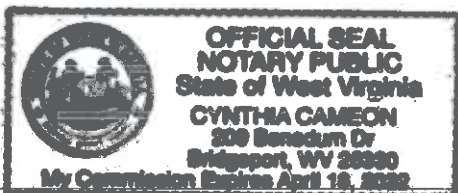
My Commission expires April 18, 2022

AFFIX SEAL HERE

NOTARY PUBLIC

*Cynthia Cameon*

*Purchasing Affidavit (Revised 01/19/2018)*



**West Virginia Ethics Commission**  
**Disclosure of Interested Parties to Contracts**  
(Required by W. Va. Code § 6D-1-2)

**Contracting Business Entity:** The Thrasher Group, Inc. **Address:** PO Box 940  
Bridgeport, WV 26330

**Authorized Agent:** Ron Stanley **Address:** PO Box 940

**Contract Number:** CEOI 0603 ADJ1900000005 **Contract Description:** Building 246 Renovation

**Governmental agency awarding contract:** WV ARNG, Construction and Facilities Management Office

Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):

**1. Subcontractors or other entities performing work or service under the Contract**

Check here if none, otherwise list entity/individual names below.

Allegheny Design Services  
NGE

**2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)**

Check here if none, otherwise list entity/individual names below.

Woody Thrasher, PE

**3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)**

Check here if none, otherwise list entity/individual names below.

Signature: 

Date Signed: 8/24/18

**Notary Verification**

State of WV, County of Harrison

I, Ron Stanley, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 24<sup>th</sup> day of August, 2018.

  
Notary Public's Signature

**To be completed by State Agency:**

Date Received by State Agency: \_\_\_\_\_

Date submitted to Ethics Commission: \_\_\_\_\_

Governmental agency submitting Disclosure: \_\_\_\_\_

