



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



Header 1

List View

General Information

Contact

Default Values

Discount

Document Information

Clarification Request

Procurement Folder: 1492906

SO Doc Code: CEOI

Procurement Type: Central Purchase Order

SO Dept: 0603

Vendor ID: 000000204787



SO Doc ID: ADJ2500000008

Legal Name: THE THRASHER GROUP INC

Published Date: 8/15/24

Alias/DBA:

Close Date: 8/29/24

Total Bid: \$0.00

Close Time: 13:30

Response Date: 08/27/2024



Status: Closed

Response Time: 9:38

Solicitation Description: Building 244 Dining Facility Renovations
Design-Camp Dawson

Responded By User ID: Thrasher



Total of Header Attachments: 1

First Name: Maggie

Total of All Attachments: 1

Last Name: Hart

Email: mhart@thethrashergroup.cor

Phone: 304-624-4108



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

State of West Virginia
Solicitation Response

Proc Folder: 1492906
Solicitation Description: Building 244 Dining Facility Renovations Design-Camp Dawson
Proc Type: Central Purchase Order

Solicitation Closes	Solicitation Response	Version
2024-08-29 13:30	SR 0603 ESR08272400000001492	1

VENDOR
000000204787
THE THRASHER GROUP INC

Solicitation Number: CEOI 0603 ADJ2500000008
Total Bid: 0
Response Date: 2024-08-27
Response Time: 09:38:23
Comments: N/A

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

Vendor Signature X	FEIN#	DATE
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All offers subject to all terms and conditions contained in this solicitation

Line	Comm Ln Desc	Qty	Unit Issue	Unit Price	Ln Total Or Contract Amount
1	Building 244 Dining Facility Renovations Design-Camp Dawson				0.00

Comm Code	Manufacturer	Specification	Model #
81101508			

Commodity Line Comments:

Extended Description:

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



THRASHER

WEST VIRGINIA ARMY NATIONAL GUARD

Camp Dawson Building 244 Dining Facility Renovations

CEOI 0603 ADJ25*8

Submitted by:

The Thrasher Group, Inc.
August 29, 2024

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

(Printed Name and Title) Craig Baker, Principal

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

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

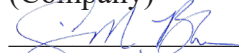
(Email address) cbaker@thethrashergroup.com

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

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

The Thrasher Group, Inc.

(Company)



(Signature of Authorized Representative)

Craig Baker, Principal August 26, 2024

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

304-624-4108 / 304-624-7831

(Phone Number) (Fax Number)

cbaker@thethrashergroup.com

(Email Address)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: ADJ25*08

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

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

Addendum Numbers Received:

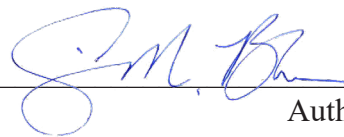
(Check the box next to each addendum received)

<input 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

August 26, 2024

Date

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

Revised 6/8/2012

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

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

DEFINITIONS:

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

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

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

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: The Thrasher Group, Inc.

Authorized Signature:  Date: August 26, 2024

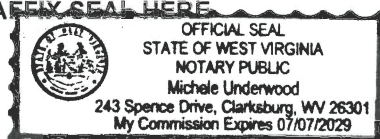
State of West Virginia

County of Harrison, to-wit:

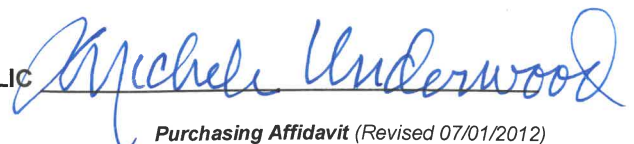
Taken, subscribed, and sworn to before me this 26 day of August, 2024.

My Commission expires JULY 7, 2029

AFFIX SEAL HERE



NOTARY PUBLIC


Purchasing Affidavit (Revised 07/01/2012)

August 29, 2024

Attn: Mr. David Pauline, Buyer
Virtual Submission via wvOASIS

RE: West Virginia Army National Guard — Camp Dawson Building 244 Dining Facility Renovations Design

Dear Mr. Pauline and Members of the Selection Committee:

As a current partner with the West Virginia Army National Guard, providing services for the Williamstown and Wheeling Army Aviation Support Facilities, The Thrasher Group is excited about the possibility of continuing our partnership for the renovation of the Building 244 Dining Facility at Camp Dawson. Our company is dedicated to working with entities who serve our community, and we want to continue to pursue that mission by partnering with you on this project.

Our resume is full of projects that are of a similar nature to the one you are requesting, so we will be able to provide an end result for this project that is functional, efficient, and meets the standards that the WVANG has. We are confident that we will be able to effectively communicate and collaborate with you on this project, and our in-house services will be able to help keep this project moving smoothly.

The team at Thrasher can provide designs for the renovation that meet all of the key design elements being requested and fits the needs of the WVANG. Thank you for your consideration of our qualifications. We hope to hear from you soon to discuss this project further.

Sincerely,
The Thrasher Group, Inc.



Matt Breakey, AIA, NCARB, LEED AP
Project Manager and Lead Architect



300+

EMPLOYEES

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

MAIN POINT OF CONTACT:

Matt Breakey, AIA, NCARB
Project Manager and Architect
 mbreakey@thethrashergroup.com
 Cell: 304-641-3741
 Office: 304-848-6494 x1275



40+

YEARS

of delivering successful projects



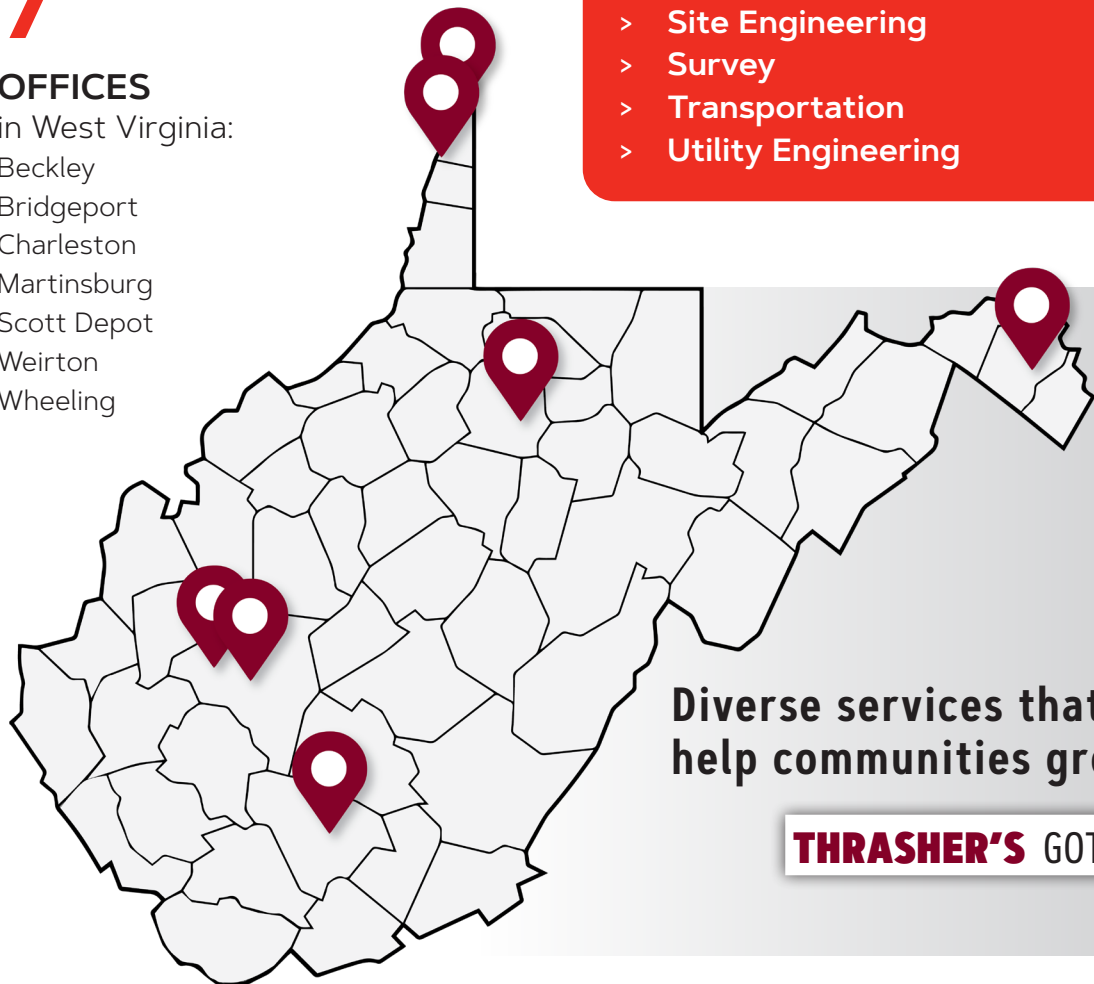
7

OFFICES

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

OUR SERVICES

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



**Diverse services that
 help communities grow.**

THRASHER'S GOT IT

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

We understand your goals for a renovation of the Building 244 Dining Facility at Camp Dawson and will handle them in the following manner:

Goal 2.1:

We understand that this project will help bring Building 244 Dining Facility and all systems within it to align with current building codes. With that in mind, Thrasher will present all designs with the requested key design elements within, and our team will also take care to make sure that all designs are energy efficient. We have all of the expertise in-house to ensure that no matter what the building renovation includes, we will be able to handle it. The end result will be a safe and functional facility that is both effective and efficient, as well as aligned with all current building codes.

Goal 2.2:

As the architect of record for this work, Thrasher will lead all aspects of the project. Our staff will coordinate with our long-time partners NGE to handle any necessary geotechnical engineering. We will also ensure all appropriate utilities research is completed and infrastructure drawings are provided as needed. Having ongoing experience with projects in the area and past relationships with the City of Kingwood, our staff will be able to seamlessly assist with any coordination of utilities that become necessary.

Goal 2.3:

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

Goal 2.4:

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

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

Our general steps for project management are as follows:

Step 1: Site Visit

Your assembled team of architects and technicians will conduct a site visit, where they will evaluate the project conditions, as well as identify and document potential problem areas. We will coordinate with your team and any key stakeholders to take the facts into consideration during this process.

Step 2: Conceptual Design and Report

Thrasher will prepare a conceptual design for the services that are needed at Building 244 at Camp Dawson. Where it may be applicable, we will provide design alternatives for your consideration. A written report will also be provided that will outline the conceptual designs and any issues that exist.

Step 3: Construction Documents

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

Step 4: Bid Process

We will assist the Guard and any necessary stakeholders in preparation of the bid documents, will attend pre-bid meetings, and assist in issuance of any addenda.

Step 5: Construction Administration

Your provided project team will review any project submittals, attend project meetings, and provide inspection of the construction throughout the process. The project team will also provide a final punch list inspection at project completion.

Additionally, Thrasher will develop a process to keep your team on top of any potential construction issues. We plan to address any issues that may come up throughout the process through clear and concise construction notes, details, and specifications to ensure the safety of the workers and environment.

Step 6: Project Close Out

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

Communication between all parties throughout any project is one of the primary keys to success. To that end, Thrasher will begin communication with the Guard immediately upon notification of award and will maintain consistent lines of communication throughout the project. This will ensure that all parties involved — owner, contractor, and architects — will always be aware of what is going on concerning the project and all relevant updates.

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

Communication During Design

Prior to design services being initiated, Thrasher's Project Manager, Matt Breakey, will discuss preferred methods of communication with the Guard's designated point of contact. Updates during the design phase can be proctored in numerous ways:

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

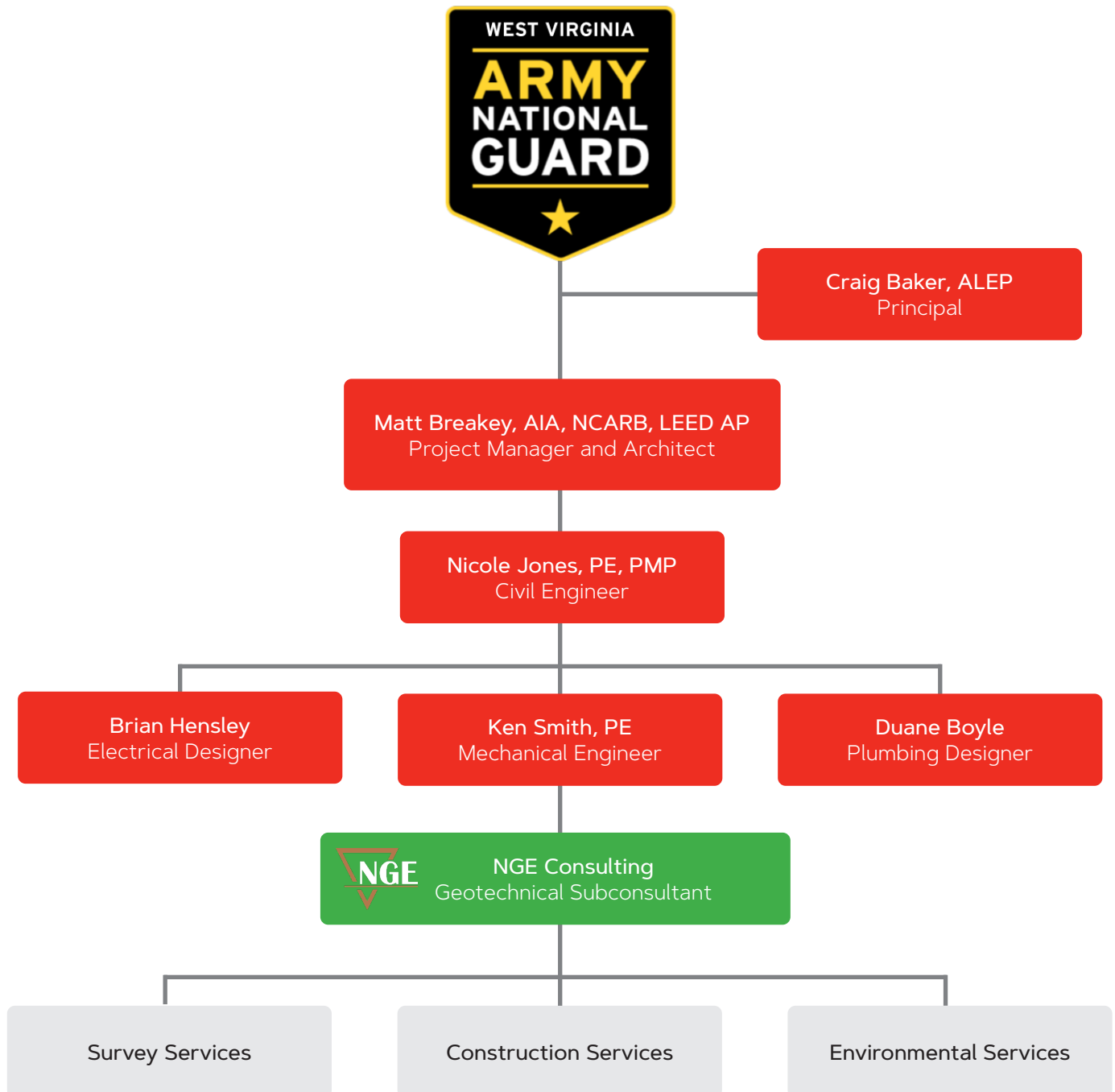
No matter the methods preferred, our project teams are well versed in keeping our clients abreast of project status. We can customize your project's communication plans to best fit your team's wants and needs throughout the process.

Communication During Construction

Before construction on your project begins, Matt will again meet with the Guard team to determine preferred communication tools for this phase of the project. In order to keep the project on-time and within budget, open, constant communication will be paramount, and our team will treat it as such.

Additionally, Thrasher will conduct monthly progress meetings with the contractor, the Guard, and key project stakeholders throughout the duration of the project. Meeting minutes will be distributed to all attendees and any other agents identified by the Guard in order to ensure that updates reach every interested party. Documented within the meeting minutes will be all action items.

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





CRAIG BAKER, ALEP

PRINCIPAL

Education

Bachelor of Science,
Architectural Engineering
Fairmont State University

Advanced Certificate,
Educational Facilities Planning
San Diego State University

Certifications

- > Accredited Learning
Environment Planner (ALEP)

Affiliations

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

PROFESSIONAL OVERVIEW

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

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

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

EXPERIENCE

Boy Scouts of America Pigott Basecamp Dining Hall and Bunkhouse
Principal | Fayette County, WV

**Almost Heaven Habitat for Humanity
Housing Complex Design and Construction**
Principal | Pendleton County, WV

Valley Healthcare Ryan Brown Residential Facility
Principal | Marion County, WV

Dominion Goshen Road New Facility
Principal | Monongalia County, WV

Boy Scouts of America Gene H. Yamagata Lodge
Principal | Fayette County, WV

Mid-Ohio Valley Technical Institute Improvements
Principal | Pleasants County, WV

Mason Dixon Energy Facility Fit-Out Project
Principal | Harrison County, WV

Preston County High School Vocational Agriculture Facility
Principal | Preston County, WV

Anawalt Elementary School New School Project
Principal | McDowell County, WV



MATT BREAKEY, AIA, NCARB, LEED AP

PROJECT MANAGER AND ARCHITECT

Education

Bachelor of Science,
Architecture
Pennsylvania State University

Registrations

Professional Architect:

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

Certifications

- > LEED Accredited Professional,
US Green Building Council
- > National Council of
Architectural Registration
Boards (NCARB)

Affiliations

- > American Institute of
Architects (National) Strategic
Council
- > Past President of WV Chapter
of American Institute of
Architects

Trainings

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

PROFESSIONAL OVERVIEW

Matt Breakey, AIA, NCARB, LEED AP, has over 25 years of experience providing architectural design and management services. He has worked with a wide range of clients, including those in the education section (K-12 and higher education), state, federal, correctional, commercial, and multi-unit residential and healthcare providers.

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

EXPERIENCE

Boy Scouts of America JW and Hazel Ruby Welcome Center
Project Architect | Fayette County, WV

Greenbrier County Schools Alderson Elementary School Renovations
Project Manager | Greenbrier County, WV

City of Morgantown Public Safety Building
Project Architect | Monongalia County, WV

Wetzel County Commission Shiben Building Judicial Annex Renovation
Project Manager | Wetzel County, WV

City of White Sulphur Springs Maintenance Facility
Project Architect | Greenbrier County, WV

Doddridge County Schools Early Childhood Academy
Project Manager and Architect | Doddridge County, WV

Ronald McDonald House at WVU Ruby Memorial Hospital
Project Architect | Monongalia County, WV

**Mid-Ohio Valley Technical Institute
School Access and Safety Renovations**
Project Architect | Pleasants County, WV

Warm Springs Public Service District Office Renovations
Project Manager | Morgan County, WV

Washington High School Renovations
Project Architect | Jefferson County, WV



NICOLE JONES, PE, PMP

CIVIL ENGINEER

Education

Bachelor of Science,
Civil Engineering
West Virginia University

Registrations

Professional Engineer:

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

Affiliations

- > WAI/Harvard University
Emerging Leaders Program
- > WAI Mountain State Chapter
Secretary
- > Women in Aviation International
(WAI) Member
- > Leadership Monongalia County

PROFESSIONAL OVERVIEW

Nicole Jones, PE, PMP, is an integral member of Thrasher's Land Development and Transportation Markets. Nicole has worked alongside Thrasher's team of talented engineers and support staff to design several million dollars' worth of critical infrastructure upgrades over the years. Her projects have served both public and private clients, ranging from state highway systems and regional airports to municipalities and large-scale developers.

Her meticulous design aesthetic has served clients well, as she is able to clearly evaluate project sites and identify key challenges that ultimately impact design feasibility. Nicole is heavily involved in all facets of a project—assisting with site layout, drafting, project specifications, and reviewing final plans. Her thorough project documentation also draws the attention of Contractors, and results in highly competitive bidding.

EXPERIENCE

West Virginia International Yeager Airport Security Enhancements
Project Manager | Kanawha County, WV

Baywood Hotel Drafting of Structural Renovations
Staff Engineer | Harrison County, WV

**Doddridge County High School
Athletic Complex and Student Athletics Building**
Project Manager | Doddridge County, WV

City of Bridgeport Convention and Visitor's Bureau Site Development
Project Engineer | Harrison County, WV

**West Virginia International Yeager Airport
Terminal Roof Rehabilitation Phase I**
Project Manager | Kanawha County, WV

West Virginia International Yeager Airport Rental Counter Renovations
Project Manager | Kanawha County, WV

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

North Central West Virginia Airport Ramp Rehabilitation
Project Manager | Harrison County, WV

Doddridge County Athletic Complex Site Earthwork and Grading
Project Manager | Doddridge County, WV



KEN SMITH, PE

MECHANICAL ENGINEER

Education

Bachelor of Science,
Mechanical Engineering
West Virginia University

Registrations

Professional Engineer:

- > West Virginia
- > Virginia
- > Ohio
- > Kentucky
- > Maryland
- > Tennessee

Affiliations

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

PROFESSIONAL OVERVIEW

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

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

EXPERIENCE

Martinsburg High School Fire Alarms

Mechanical Engineer | Berkeley County, WV

McDowell County Schools Rooftop Units and HVAC Control Upgrades

Mechanical Engineer | McDowell County, WV

City of Charleston Slack Plaza

Mechanical Engineer | Kanawha County, WV

Hardy County Public Service District Office Building

Project Engineer for HVAC System Design | Hardy County, WV

Doddridge County Maintenance Building

Mechanical Engineer | Doddridge County, WV

Pocahontas Memorial Hospital Rural Health Addition

Project Manager | Pocahontas County, WV

City of Charleston Police Station Renovation

Mechanical Engineer | Kanawha County, WV

Harrison County Commission Public Safety Building

Mechanical Engineer | Harrison County, WV

WVU Tech Biology Lab Conversion

Mechanical Engineer | Raleigh County, WV

Glenville State College HVAC Repair

Mechanical Engineer | Gilmer County, WV



DUANE BOYLE

PLUMBING DESIGNER

Education

Associate Degree,
Mechanical Design
Ashland Regional Technology
Center

Certifications

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

Affiliations

- > Associated Builders and
Contractors, Inc.

PROFESSIONAL OVERVIEW

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

EXPERIENCE

Boy Scouts of America Steve A. Antoline Conservation Center
Plumbing Designer | Fayette County, WV

Pocahontas Memorial Hospital Rural Health Addition
Plumbing Designer | Pocahontas County, WV

Roane County Schools Safe School Entrances
Plumbing Designer | Roane County, WV

Calhoun-Gilmer Career and Technical Center Restroom Renovations
Plumbing Designer | Calhoun County, WV

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

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

Dominion Energy Mount Storm New Office Building
Plumbing Designer | Grant County, WV

WV Office of Miners' Health Safety and Training Kitchen Renovations
Plumbing Designer | Kanawha County, WV

Hardy County Public Service District Office Building Renovations
Plumbing Designer | Hardy County, WV

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



BRIAN HENSLEY

ELECTRICAL DESIGNER

Education

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

Certifications

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

Trainings

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

PROFESSIONAL OVERVIEW

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

EXPERIENCE

Calhoun-Gilmer Career Center Restroom Renovations

Electrical Designer | Calhoun County, WV

Boy Scouts of America John Tickle Training Center

Electrical Designer | Fayette County, WV

Roane County Schools Safe School Entrances

Electrical Designer | Roane County, WV

Dominion Energy Mount Storm Office Building

Electrical Designer | Grant County, WV

Broaddus Hospital Lab Relocation

Electrical Designer | Kanawha County, WV

Pocahontas Memorial Hospital Rural Health Addition

Electrical Designer | Pocahontas County, WV

North Central West Virginia Airport Logistics Park

Electrical Designer | Harrison County, WV

West Virginia International Yeager Airport Restroom Renovations

Electrical Designer | Kanawha County, WV

City of Salem Armory HVAC Evaluation

Electrical Designer | Harrison County, WV

Town of Alderson Water System Rehabilitation

Electrical Designer | Greenbrier County, WV

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

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

Thrasher Projects:

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





BOY SCOUTS OF AMERICA Pigott Base Camp Dining Hall

Client Contact:

Mr. Rob Ridgeway, Dept. Manager, Facilities and Development Director
649 Jack Furst Drive | Glen Jean, WV 25846
304-465-2850

As part of the Pigott Base Camp, the new Camp D Dining Hall is positioned to overlook the broad expanse of the Summit Bechtel Reserve taking advantage of the Appalachian landscape.

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. The building is designed with the potential to enclose the outdoor dining to create indoor seating for up to 500 occupants. Large walls of glass connect the indoor dining to the outdoor dining while clerestory windows illuminate the interior with natural light. The covered outdoor dining deck wraps the southern and eastern sides of the dining hall taking advantage of the view to the south. The section adjacent to the north side of the dining hall houses a commercial kitchen and restrooms. The restrooms can be accessed from both the interior of the dining hall and kitchen, as well as from the exterior plaza between the two buildings. The overall form and materials of the dining hall were selected to integrate seamlessly with, and compliment, the natural Appalachian landscape and vernacular environment.



PLEASANTS COUNTY SCHOOLS New St. Marys High School

Client Contact:

Mr. Michael Wells, Superintendent
 202 Fairview Drive | St. Marys, WV 26170
 304-684-2215

Pleasants County needed a new school to replace their lone high school, which was 80 years old. Although a great source of pride for the community, the Pleasants County Board of Education chose to build a new school to provide students with a modern space for the next generation of learners.

Thrasher took on this project from start to finish, partnering with Pleasants County on everything from design through construction administration. This also

included bond assistance – a bond was passed in Pleasants County in 2010 that allowed for demolition of the old high school, construction of the new school, renovations to Belmont Elementary, and updates on athletic facilities throughout the county.

In order to respect the history of the school and involve the community in the process, Thrasher worked to get input and feedback from those willing to voice their ideas. Thrasher then took the information collected and filtered it through the requirements and formula of SBA and WVDOE to develop plans that met the needs of all involved.



BOY SCOUTS OF AMERICA J.W. Marriott Jr. Leadership Center

Client Contact:

Mr. Rob Ridgeway, Dept. Manager, Facilities and Development Director
2550 Jack Furst Drive | Glen Jean, WV 25846
304-646-2312

The JW Marriott Leadership Center is one of several new buildings at the Summit Bechtel Reserve in Glen Jean, West Virginia. This building works in conjunction with other activities at the Reserve as a remote retreat designed to stimulate out-of-the-box thinking while immersing guests in a wooded habitat with expansive views of the valley below.

The JW Marriott Leadership Center provides numerous spaces for educational, social, and dining activities with a flexible, fluid design. The building contains a two-story lobby that offers several break-out spaces for learning and collaboration, as well as a link to the adjacent lodge. Classrooms can be divided into different configurations to accommodate a variety of group sizes. The building's auditorium – Yamagata Hall – can be adapted for use for lectures, movies, theater, and live music performance. Additionally, the primary spaces lack parallel walls and have sloping ceilings with unique lighting systems, while the circulation paths create an ever-unfolding environment.



RANDOLPH COUNTY DEVELOPMENT AUTHORITY

Elkins Convention Center

Client Contact:

Mr. Robert L. Morris, Jr., Executive Director
10 11th St., Suite A | Elkins, WV 26241
304-637-0803

The Thrasher Group worked with the Randolph County Development Authority to create a redevelopment plan for the historic railyard property located in Downtown Elkins. The program for the plan includes a 16,000 square foot events and convention center that would serve as a versatile performance venue, event space, and conference space for a variety of different users. The floor plan for the building create a space that can be utilized as a single large space or broken into multiple sections for smaller group use. Additionally

the building will serve as a welcome center with exhibits that celebrate the history and heritage of Elkins and the Railyard.

The remaining acreage for the Railyard will be developed with a mixed use commercial building that has bottom floor retail space for small businesses to occupy with top floor Class A office space. An existing plaza and amphitheater space will be accompanied by an outdoor patio with the ability to accommodate farmers markets, outdoor events, or food truck festivals. Important connections to the river front and nearby bike trails will be made with ample parking for these recreational uses when the events space is not active.



Budgeting

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

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



Scheduling

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

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



Cost control

Thrasher follows four main cost control principles:

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

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

Understanding of what things cost — Thrasher has a knowledgeable construction administration team that understands what it truly costs to make things happen. Rather than relying on general industry standards, our in-house professionals, can tell you what something will cost in actuality if the need arises.

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



QA/QC Procedure

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

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

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

The policy outlines three main areas:

» **General**

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

» **Project Management Procedures**

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

» **Check and Final Review Procedures**

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

Boy Scouts of America

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