



COMPLEX PROJECTS
REQUIRE RESOLVE
THRASHER'S GOT IT

October 21, 2019

Attn: Ms. Jessica Chambers, Buyer
2019 Washington Street East
Charleston, WV 25305

RE: WV Department of Administration Cedar Lakes Assembly Hall Expansion Construction

Dear Ms. Chambers and Selection Committee Members:

Cedar Lakes Conference Center is a large, multi-purpose venue that sees countless visitors each year. Whether it's the State FFA Conference, folk art demonstrations, weddings, or meetings, there is always an event being hosted. In order to accommodate the growing demand on the facility, Cedar Lakes needs to update and expand their existing Assembly Hall to hold 600+ additional seats. The Thrasher Group is the right firm for the job.

Thrasher is a full-service architecture and engineering consulting firm with the capability to handle this project fully in-house. Our architecture team has a variety of experience in the hospitality industry, with the ability to provide unique designs for your space - from traditional conference center seating to food warehousing, Thrasher's got it.

In addition to our architectural design work, Thrasher has personnel on hand to oversee mechanical, electrical, and plumbing engineering; site and civil engineering; cost estimating; and construction administration. Having these services all under one roof will keep work flowing smoothly and seamlessly at Cedar Lakes, with constant communication throughout the process.

Enclosed you will find the qualifications and expertise that make Thrasher the perfect fit for completing the Cedar Lakes renovations. We appreciate your time and the opportunity to pursue this project. We look forward to further discussing your needs and how The Thrasher Group can support you in this endeavor.

Sincerely,
THE THRASHER GROUP, INC.


Craig Baker, ALEP
Architecture Division Manager

RECEIVED

2019 OCT 18 AM 9:22

WV PURCHASING
DIVISION

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



 (Name, Title)
 Craig Baker, Principal

 (Printed Name and Title)
 600 White Oaks Blvd | Bridgeport, WV 26330

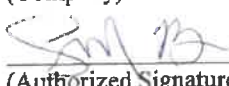
 (Address)
 304-624-4108 | 304-624-7831

 (Phone Number) / (Fax Number)
 cbaker@thethrashergroup.com

 (email address)

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

The Thrasher Group, Inc.

 (Company)


 (Authorized Signature) (Representative Name, Title)
 Craig Baker, Principal

 (Printed Name and Title of Authorized Representative)
 10/16/19

 (Date)
 304-624-4108 | 304-624-7831

 (Phone Number) (Fax Number)

Revised 08/15/2019

REQUIRED FORMS



STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

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

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

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

DEFINITIONS:

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

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

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

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

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: The Thrasher Group, Inc.

Authorized Signature: [Signature] Date: 10/16/19

State of WEST VIRGINIA

County of HARRISON to-wit:

Taken, subscribed, and sworn to before me this 16th day of OCTOBER, 2019.

My Commission expires JULY 7, 2024.

NOTARY PUBLIC [Signature: Michele Underwood]

Purchasing Affidavit (Revised 01/19/2018)



ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: AGR200000002

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)

- Addendum No. 1
- Addendum No. 2
- Addendum No. 3
- Addendum No. 4
- Addendum No. 5
- Addendum No. 6
- Addendum No. 7
- Addendum No. 8
- Addendum No. 9
- 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

10/16/19

Date

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

Revised 01/24/2019



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

Main Point of Contact:

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



9

OFFICES

in six states:
West Virginia
Virginia
Pennsylvania
Ohio
Maryland
Kentucky



600

EMPLOYEES

- 46** Licensed Professional Engineers
- 20** Licensed Professional Surveyors
- 6** Licensed Professional Architects
- 4** Licensed Professional Landscape Architects



36

YEARS

of delivering successful projects

Diverse services that grow communities.

THRASHER'S GOT IT.

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

We understand your goals for the Cedar Lakes Assembly Hall Expansion project and will handle them in the following manner:

GOAL/OBJECTIVE 1

The Thrasher Group will review the existing facility and identify expansion opportunities available that will enhance the variety of events for which the venue is used. We will work to determine a plan that can be implemented realistically and will meet all objectives in a manner that will minimize disruption for the facility.

GOAL/OBJECTIVE 2

Thrasher will also review the site for evaluation of the best avenue to increase seating capacity by 600+. The facility will be reviewed for options on the east side, north, and south sides.

GOAL/OBJECTIVE 3

We are confident that Thrasher can provide all of the necessary services to design the renovations and expansions for the Cedar Lakes Conference Center Assembly Hall. We will keep all designs consistent with the WVDA’s needs and objectives while adhering to all applicable codes and laws, as well as the project budget.



GOAL/OBJECTIVE 4

One of the advantages of partnering with Thrasher is our in-house construction estimate capabilities. Jim Decker, MBA is our proposed Estimator for this project. As a Licensed General Contractor, Jim has a pulse on the current prices for the materials and labor needed to complete your project.

GOAL/OBJECTIVE 5

Construction Administration always plays a major role in the Thrasher full-services package. This is a piece that we feel is important to offer for every project, and we consistently bid more projects than any other firm in the state. Thrasher has the competent professionals your team needs to ensure your project is constructed correctly and functions as designed.

GOAL/OBJECTIVE 6

As a full-service architecture and engineering firm, Thrasher has a host of experts in-house. Our team will be able to prepare design solutions for your project that take every aspect into consideration, from mechanical and electrical needs to security and safety concerns.

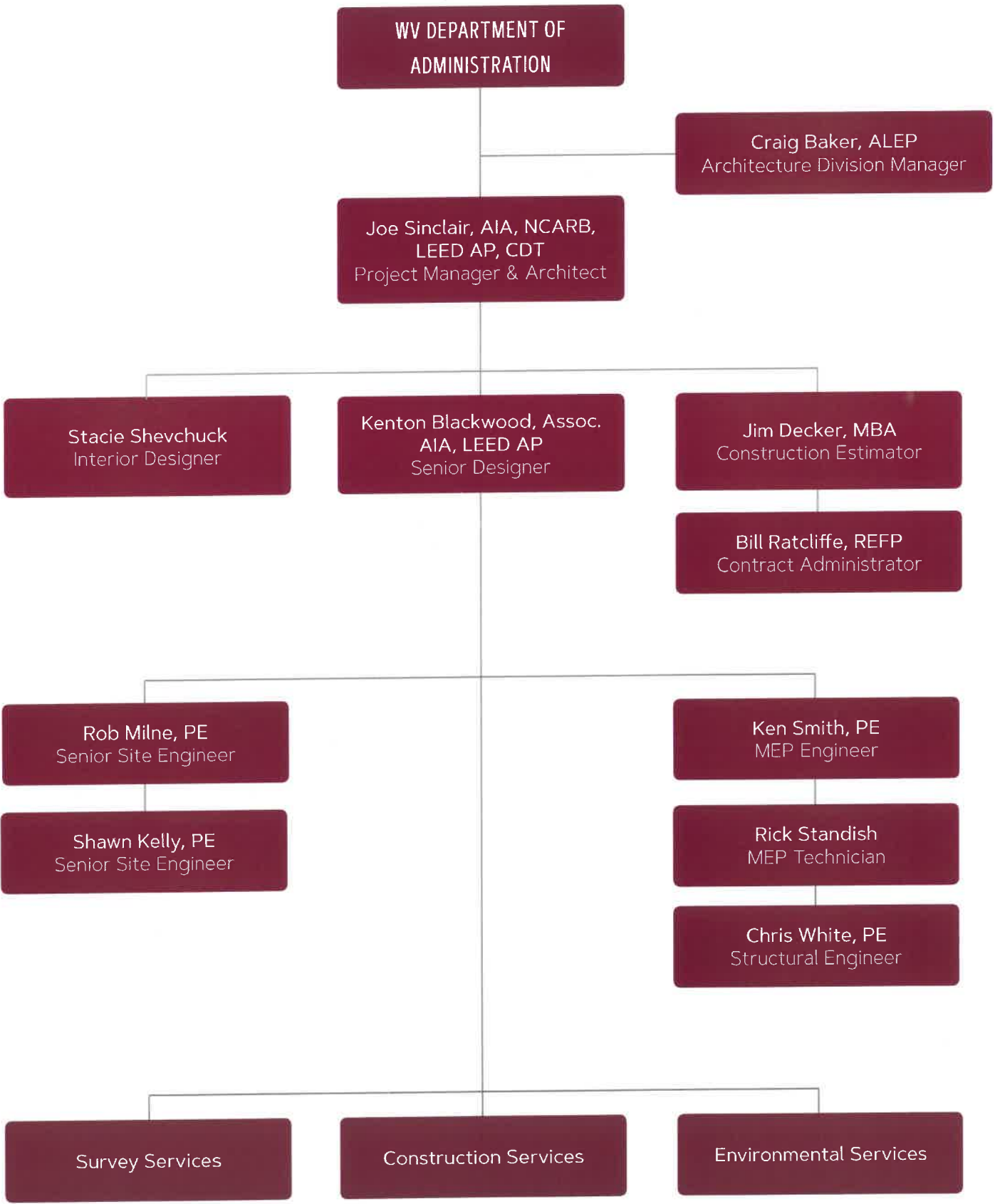
GOAL/OBJECTIVE 7

Our Architecture team is prepared to work with the WVDA and Cedar Lakes personnel to create plans, site drawings, and specifications unique to your needs. Whether repairs, modifications, or new construction, Thrasher can provide what you need.

GOAL/OBJECTIVE 8

Thrasher has a dedicated Construction Services group in-house that will be able to provide contract administration services and oversee project facilitation. Our proposed Contract Administrator, Bill Ratcliffe, will be dedicated to ensuring your project is constructed and functions as designed.





CRAIG BAKER, ALEP

Architecture Division Manager



Education

Bachelor of Science,
Architectural Engineering
Fairmont State University

Advanced Certificate,
Educational Facilities Planning
San Diego State University

Affiliations

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

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

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

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

Experience

The Wingate Hotel and Conference Center Site Planning and Schematic Design

Role: Principal
> Harrison County, WV

The Summit Bechtel Reserve, Pigott Basecamp

Role: Principal
> Fayette County, WV

The Summit Bechtel Reserve, Marriott Leadership Center

Role: Principal
> Fayette County, WV

Bridgeport Conference Center Addition Concepts

Role: Principal
> Harrison County, WV

Mountaineer Food Bank Expansion Project

Role: Principal
> Braxton County, WV

JOE SINCLAIR, AIA, NCARB, LEED AP, CDT

Project Manager and Project Architect



Education

Master of Architecture,
Savannah College of Art &
Design

Bachelor of Science,
Architectural Engineering
Fairmont State University

Registrations

Professional Architect:
> West Virginia
> Virginia

Affiliations

- > NCARB Certificate (#69740)
- > LEED Accredited
Professional, Building Design
& Construction – GBCI#:
10052110
- > Construction Documents
Technologist (CDT) –
Construction Specifications
Institute (CSI)
- > Member American Institute
of Architects – West Virginia
Chapter
- > Member – United States
Green Building Council
(USGBC) – West Virginia
Chapter
- > AIA West Virginia's AIA
Safety Assessment Program
Training

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 joined the Thrasher team in 2017.

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

Experience

**Design of the Beech Fork
Lodge and Conference
Center**

Role: Project Architect
> Wayne County, WV

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

Role: Project Architect/
Manager
> Fayette County, WV

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

Role: Project Architect/
Manager
> McDowell County, WV

**Carlisle Barracks Military
Housing and Community
Center**

Role: Project Architect
> Cumberland County, PA

**Navy Southeast Military
Housing and Community
Centers**

Role: Project Architect
> US

Project Manager and Project Architect

The West Virginia Board of Architects

certifies that

RYAN JOSEPH SINCLAIR

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

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

Certificate Number [REDACTED]

The registration is in good standing until June 30, 2019.



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

Board Administrator

KENTON BLACKWOOD, ASSOC. AIA, LEED AP

Senior Designer



Education

West Virginia University,
Engineering Curriculum

Fairmont State University,
Architecture Curriculum

Affiliations

- > LEED Accredited Professional
- > Associate Member of American Institute of Architects

Kenton Blackwood has 35 years of experience in the planning, design, bidding and construction of architectural projects throughout the State of West Virginia, and in the past decade he has designed and managed over \$85 million of construction. Kenton is well-versed in site evaluation and design, building program evaluation, planning and design, construction document development, bidding and construction administration, on-site construction observation, and is very knowledgeable in Fire/Life-Safety Code requirements and ADA/Accessibility Design Standards. He has extensive experience with WVSBA funded projects and is familiar with the agency's Policy and Procedures and Quality/Performance Standards.

Kenton has an unsurpassed understanding of technological architectural media with his knowledge of vector-based 3D modeling and CAD applications. His proficiency with virtual-reality modeling allows Thrasher to take a client around and through a design, study different forms, lighting, color schemes and finishes to make revisions before the project begins.

Experience

Stonewall Jackson Lake Conference Center and Resort

Role: Project Manager
> Lewis County, WV

4H/Harrison County Recreational New Community Center Construction

Role: Project Designer
> Harrison County, WV

Camp Sunshine Mountain Lakes, Inc.

Role: Project Designer
> Marion County, WV

Greater Bridgeport Convention & Visitors Bureau

Role: Project Manager
> Harrison County, WV

Prickett's Fort State Park Visitor Center New Construction

Role: Project Designer
> Marion County, WV

STACIE SHEVCHUCK

Interior Designer



Education

Bachelor of Science,
Art Studio
Fairmont State University

Associate of Science,
Design and Drafting
Fairmont State University

Certifications

- > Auto CADD Certification -
Fairmont State University

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

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

Experience

Boy Scouts Marriott Leadership Center

Role: Interior Designer
> Fayette County, WV

Boy Scouts Rex Tillerson Learning Center

Role: Interior Designer
> Fayette County, WV

Boy Scouts of America Welcome Center

Role: Interior Designer
> Fayette County, WV

The Thrasher Group Headquarters

Role: Interior Designer
> Harrison County, WV

Fairmont State University Hunt Haught Hall Interior and Exterior Renovations

Role: Interior Designer
> Marion County, WV

JIM DECKER, MBA

Construction Estimator



Education

Master of Business Administration,
Project Management Emphasis
Fairmont State University

Bachelor of Science,
Civil Engineering
Fairmont State University

Associates Degree,
Mechanical Engineering
Fairmont State University

Registrations

General Contractor:
> West Virginia

Affiliations

> Leadership Marion County
> Leadership Fairmont State
University

Jim Decker, MBA brings nearly 30 years of experience in construction estimating and management for the private and public sectors. He provides services with inspections, site monitoring, cost control, schedules, contract administration, payment processing, shop and coordination drawings, change orders and project reports.

His role as a construction estimator allows for clients to be able to recognize a true price when it comes to their projects. Jim is also a Licensed General Contractor in the State of West Virginia. As a General Contractor he is able to oversee the day-to-day functions of the construction site.

Previously, Jim was the facilities director at a local educational institution for 10 years. Jim relates well with his clients because he approaches the situation from both a consultant and client perspective.

Experience

Fairmont State University Library Addition and Renovations

Role: Construction Estimator
> Marion County, WV

White Oaks Business Park Development

Role: Construction Estimator
> Harrison County, WV

Dominion Goshen Road New Facility

Role: Construction Estimator
> Monongalia County, WV

Fairmont State University Feaster Center Addition and Renovations

Role: Construction Estimator
> Marion County, WV

Bridgeport Middle School New Construction

Role: Construction Estimator
> Harrison County, WV

BILL RATCLIFFE, REFP

Contract Administrator



Education

Regents Degree,
West Virginia State University

Affiliations

- > Recognized Educational
Facility Planner (REFP)

Bill Ratcliffe, REFP has over two decades of experience involved in the completion of successful construction projects. He has spent the last 15 years of his career working as a construction contract administrator on public and private projects, ensuring the successful completion of projects. Bill also spent 14 years of his career working for the West Virginia School Building Authority (SBA) where he worked with architects during the planning, design, & construction phases on hundreds of projects.

Bill's strong relationships with countless regulatory and building entities combined with his hands-on experience make him an excellent project manager and an invaluable member of the Thrasher team.

Experience

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

Role: Contract Administrator
> Greenbrier County, WV

Fairmont State University Jaynes Hall Renovations

Role: Contract Administrator
> Marion County, WV

Pleasants County Middle School Restroom Improvements

Role: Contract Administrator
> Pleasants County, WV

Jefferson County Convention and Visitors Bureau Addition and Renovations

Role:
> County, State

WVU Robert C. Byrd Testing Center Renovations

Role: Contract Administrator
> Kanawha County, WV

ROB MILNE, PE

Senior Site Engineer



Robert Milne, PE has over 25 years of experience working with both public and private clientele throughout the Mid-Atlantic region to develop millions of dollars' worth of commercial, industrial, residential, and mixed-use sites. Rob's in-depth understanding of site layout, design, permitting, and funding have enabled him to complete several complex projects that have boosted economic development and delivered safe, sustainable building sites. Rob remains involved with every facet of the projects he manages - overseeing design standards, staff assignments, project schedules, and client communication.

Education

Master of Science,
Civil Engineering
West Virginia University

Bachelor of Science,
Civil Engineering
West Virginia University

Registrations

Professional Engineer:

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

Affiliations

- > Leadership Monongalia County, WV
- > Foundations of Leadership/
National Leadership Institute
- > USACE-Access Control Point
Design Training Course

Experience

Marion County Economic Development Authority Palatine Park Development

Role: Principal

- > Marion County, WV

Seneca Village Pison Site Development

Role: QA/QC

- > Monongalia County, WV

WestRidge Commercial and Retail Development

Role: Project Manager

- > Monongalia County, WV

Wild Ridge, A West Virginia YoungLife Camp

Role: QA/QC

- > Nicholas County, WV

Fairmont State University Stormwater Management MS4 Program

Role: Principal

- > Marion County, WV

ROB MILNE, PE

Senior Site Engineer

Search: Details

Name: ROBERT R. MILNE

WV Professional Engineer: PE License Number: [REDACTED]

PE License Status: Active

PE Issue Date: 07/28/1999

PE Expiration Date: 12/31/2020

Continuing Education Claim: Qualifying Hours from Last Renewal or Reinstatement: 47.50

Carryover Hours for Next Renewal: 15.00

Last Renewal or Reinstatement Date*: 12/31/2018

WV Engineer Intern: EI Certification Number: [REDACTED]

EI Issue Date: 07/01/1998

Primary Address of Record: [REDACTED]

Primary Employer of Record: THE THRASHER GROUP, INC.
600 WHITE OAKS BOULEVARD
PO BOX 940
BRIDGEPORT, WV 26330

* This date reflects the most recent license renewal (or reinstatement) date for this licensee. Continuing education hours earned prior to this date may not be used for future renewals.

SHAWN KELLY, PE

Senior Site Engineer



Education

Bachelor of Science,
Civil Engineering
West Virginia University

Registrations

Professional Engineer:
> West Virginia
> Virginia
> Kentucky

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

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

Experience

Boy Scouts of America Bunkhouse and Dining Hall Site Design

Role: Project Engineer
> Fayette County, WV

Boy Scouts of America JW Marriott JR Leadership Center Roadway Drainage

Role: Staff Engineer
> Fayette County, WV

Boy Scouts of America Roadway Drainage

Role: Staff Engineer
> Fayette County, WV

WVU Medicine Building Site Design

Role: Project Engineer
> Greene County, PA

WestRidge Commercial and Retail Development

Role: Project Engineer
> Monongalia County, WV

SHAWN KELLY, PE

Senior Site Engineer

Licensure Verification**Search: Details****Name:** SHAWN ROBERT KELLY**WV Professional Engineer:****PE License Number:** [REDACTED]**PE License Status:** Active**PE Issue Date:** 12/22/2016**PE Expiration Date:** 12/31/2020**Continuing Education Claim:****Qualifying Hours from Last Renewal or Reinstatement:****Carryover Hours for Next Renewal:****Last Renewal or Reinstatement Date*:** 12/4/2018**WV Engineer Intern:****EI Certification Number:** [REDACTED]**EI Issue Date:** 12/08/2014**Primary Address of Record:****Primary Employer of Record:**THE THRASHER GROUP, INC.
300 ASSOCIATION DRIVE
CHARLESTON, WV 25313

- * This date reflects the most recent license renewal (or reinstatement) date for this licensee. Continuing education hours earned prior to this date may not be used for future renewals.

KEN SMITH, PE

MEP Engineer



Education

Bachelor of Science,
Mechanical Engineering
West Virginia University

Registrations

Professional Engineer:
> West Virginia
> Virginia

Ken Smith has become a vital role in Thrasher's Utilities Division 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 has 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 while simultaneously coordinating with the building's water and wastewater facilities.

Experience

NC State University Alumni Center

Role: Project Manager and
Mechanical Engineer of Record
> Wake County, NC

NC State University Visitors Center

Role: Project Manager and
Mechanical Engineer of Record
> Wake County, NC

Square 54 - Multifamily Residential High Rise

Role: Mechanical Engineer of
Record
> Washington, DC

Novant Billing Offices

Role: Project Manager and
Mechanical Engineer of Record
> Mecklenburg County, NC

Advanced Technological Center Welding Lab Ventilation System

Role: Project Manager and
Designer
> Marion County, WV

MEP Engineer

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

Search: Details

Name: KENNETH E. SMITH

WV Professional Engineer: PE License Number: [REDACTED]

PE License Status: Active

PE Issue Date: 07/16/1992

PE Expiration Date: 12/31/2020

Continuing Education Claim: Qualifying Hours from Last Renewal or Reinstatement: 56.00

Carryover Hours for Next Renewal: 15.00

Last Renewal or Reinstatement Date*: 12/31/2018

WV Engineer Intern: EI Certification Number:

EI Issue Date:

Primary Address of Record: [REDACTED]

Primary Employer of Record: THE THRASHER GROUP, INC.
300 ASSOCIATION DRIVE
CHARLESTON, WV 25311

* This date reflects the most recent license renewal (or reinstatement) date for this licensee. Continuing education hours earned prior to this date may **not** be used for future renewals.

RICK STANDISH

MEP Technician



Rick Standish is a successful mechanical, electrical, and plumbing (MEP) Engineering Technician in Thrasher's Utilities Division. He has over 45 years of knowledge in the industry and accumulated an impressive background of project experience. His responsibilities include cultivating client relationships, delivering quality work on time and within budget. Rick is proficient in HVAC systems, electrical load calculations, plumbing flow calculations, MEP layouts, fire alarm systems, shop drawing review, and field inspections.

Education

AutoCAD Program
West Virginia State University

Experience

Pea Ridge Public Service District

Role: Engineering Technician
> Cabell County, WV

Town of Sophia Wastewater Treatment Plant

Role: Engineering Technician
> Raleigh County, WV

Greenbrier County Public Service District #2

Role: Engineering Technician
> Greenbrier County, WV

City of Clarksburg Wastewater Treatment Plant

Role: Engineering Technician
> Harrison County, WV

Malden Public Service District

Role: Engineering Technician
> Kanawha County, WV

CHRIS WHITE, PE

Structural Engineer



Education

Bachelor of Science,
Civil Engineering
Columbia University

Bachelor of Art,
Mathematics
College of the Holy Cross

Registrations

Professional Engineer:

- > West Virginia
- > Kentucky
- > Colorado

Affiliations

- > Kentucky Society of Professional Engineers
- > American Council of Engineering Companies

Chris White, PE is a Civil and Structural Engineer for The Thrasher Group. He has built a firm foundation of experience over his 10-year career. Chris has a balanced skillset of technical knowledge and demonstrated leadership ability. He uses his creative judgement to maximize the effective utilization of organizational resources to benefit his client. These abilities have enabled Chris to be successful in a variety of roles and types of projects. Some of Chris's project have included contributing to teams designing bridge and tunnel projects in New York City, leading teams constructing a chemical demilitarization plant in Kentucky, and providing lead structural design for industrial and commercial buildings.

Experience

Murakami Manufacturing

Role: Project Engineer
> Campbellsville, KY

Logistics Solutions

Role: Project Engineer
> Elizabethtown, KY

Smithers Creek Bridge Rehabilitation

Role: Project Engineer
> Fayette County, WV

Bradshaw Creek Bridge Rehabilitation

Role: Project Engineer
> Summers County, WV

Coalfields Expressway Ramps C&D Bridges

Role: Project Engineer
> McDowell and Wyoming Counties, WV

Structural Engineer

Licensure Verification

Search: Details

Name:

CHRISTOPHER JOHN WHITE

WV Professional Engineer:

PE License Number: [REDACTED]

PE License Status: Active

PE Issue Date: 06/13/2019

PE Expiration Date: 12/31/2020

Continuing Education Claim:

Qualifying Hours from Last Renewal or Reinstatement:

Carryover Hours for Next Renewal:

Last Renewal or Reinstatement Date*:

WV Engineer Intern:

EI Certification Number:

EI Issue Date:

Primary Address of Record:

[REDACTED]

Primary Employer of Record:

THE THRASHER GROUP
1020 MONARCH STREET
LEXINGTON, KY 40513

* This date reflects the most recent license renewal (or reinstatement) date for this licensee. Continuing education hours earned prior to this date may not be used for future renewals.

PROJECT EXPERIENCE

JW Marriott Jr. Leadership Center and Yamagata Hall

Client Contact:

Mr. Joe Kubin, Trade Skills Team Leader

649 Jack Furst Drive | Glen Jean, WV 25846

304-465-2848



The JW Marriott Leadership Center is one of several new buildings being constructed at the Summit Bechtel Reserve in Glen Jean, West Virginia. The space 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.



PROJECT EXPERIENCE



Rex W. Tillerson Leadership Center

Client Contact:

Mr. Rob Ridgeway

Boy Scouts of America/Summit Bechtel Reserve
2550 Jack Furst Drive | Glen Jean, WV 25846
304-465-2800



The Rex W. Tillerson Leadership Center provides six educational classrooms and a Leadership Hall. This space was designed to service as a multi-functional space that can serve lectures, banquets, and group educational activities.

Thrasher focused on sustainable and healthy materials in this design. Furnishings and materials were chosen to create a healthy, active, and engaging learning environment in the classroom areas and an elegant, upscale space in the lecture hall.



Pigott Base Camp Dining Hall and Bunkhouse

Client Contact:
Rob Ridgeway, Facilities and Development Director
649 Jack Furst Drive | Glen Jean, WV 25846
304-465-2850



The Pigott Base Camp has a dining hall and bunkhouse designed by Thrasher. 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.

PROJECT EXPERIENCE

Jack Caffrey Arts and Culture Center

Client Contact:

Mr. Craig Snow, Executive Director

Warrior Creek Development

253 Main Caretta Road | War, WV 24892

304-8754821



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

PROJECT EXPERIENCE

Stonewall Jackson Resort

Client Contact:

McCabe-Henley-Durbin

619 Church Street | Summersville, WV 26651

304-872-5758



The conference center at Stonewall Jackson Resort houses eight meeting rooms, three large conference rooms, one board room and a conference hall. All are served by break-out areas adjacent to outdoor gathering spaces overlooking the golf course. Conference facilities can accommodate over 1600 people.



Harrison County 4-H Recreation/Meeting Center

Client Contact:
Harrison County Commission
301 West Main Street | Clarksburg, WV 26301
304-624-8500



The 4-H Harrison County Recreation Center is offers programs that enhance the development of individuals interested in 4-H. The facility also serves as a great location for special events, summer playground programs, instructional programs and sports leagues. The facility is often used for weddings, reunions, and meetings. The conference facilities can accommodate over 1,600 people.



PROJECT EXPERIENCE

Mountaineer Food Bank Expansion

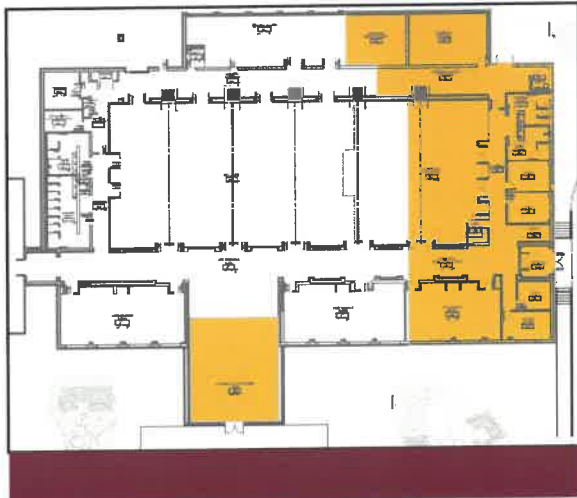


Thrasher provided concepts for an expansion to the Mountaineer Food Bank in the Gassawy/Sutton area. The designs provided options for the Food Bank to quadruple their frozen and refrigerated food capacity and double their dry food storage capabilities. Concepts for several loading docks, community rooms, and offices were also included. Fundraising is currently underway for construction.



PROJECT EXPERIENCE

Bridgeport Conference Center Addition Concepts



The Bridgeport Conference Center was interested in expanding their facility. Thrasher provided concepts to double the capacity of their banquet area, as well as an outdoor plaza for events, an expansion of their kitchen and a new pre-function area.

COMMERCIAL FOOD WAREHOUSE COOLER DESIGN

The Thrasher Group has been involved in the design of several food storage related projects. Our team has worked with a variety of hospitality clients, from large-scale conference centers to intimate restaurants. Each has brought a unique design need for its food storage and service capacity.

Some of these food service projects include:

- > Boy Scouts of America Various Dining Halls
- > Mountaineer Food Bank Expansion Concepts
- > Cody's Restaurant
- > Cornucopia Cafe
- > Denny's Diner
- > Subway at White Oaks
- > Rupert Elementary School Dining Area



PROJECT MANAGEMENT APPROACH

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 needs of the Cedar Lakes Conference Center. 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.

COMMUNICATION PROCEDURES

Communication throughout any project is a primary key to success. To that end, Thrasher will begin communication with Cedar Lakes and any pertinent personnel immediately upon notification of award and will maintain consistent lines of communication for the duration of the project. This will ensure all parties involved - owner, contractor, and engineer - will always be apprised of the project happenings.

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

Communication During Design

Prior to the initiation of design services, Thrasher's Project Manager and Architect, Joe Sinclair, will discuss preferred methods of communication with your point of contact. Updates during the design phase can occur in numerous ways:

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

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

Communication During Construction

Before construction begins, Joe will again meet with the project team to determine preferred communication tools for this phase of the project. Open, consistent communication will be paramount to keep the project on-time and within budget.

Additionally, Thrasher will conduct monthly progress meetings with the contractor, the Cedar Lakes team, and key project stakeholders throughout the duration of the project. Meeting minutes will be distributed to all attendees and any other agents identified by Cedar Lakes. Action items will be documented within the meeting minutes.

Throughout construction, Thrasher will have people on-site for project representation as well as material testing. Anytime a Thrasher employee is on site during construction, a field report will be prepared. Field reports will be reviewed by the engineering team and distributed to the Cedar Lakes' construction representative on a weekly basis.



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.



Scheduling:

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

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

Budgeting:

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

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





ARCHITECTURE

Thrasher offers a broad range of architecture and building design services to suit the needs of each individual client. Our approach to understand our clients' goals and challenges makes us sought after in a variety of markets: educational facilities, commercial and retail spaces, healthcare 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.

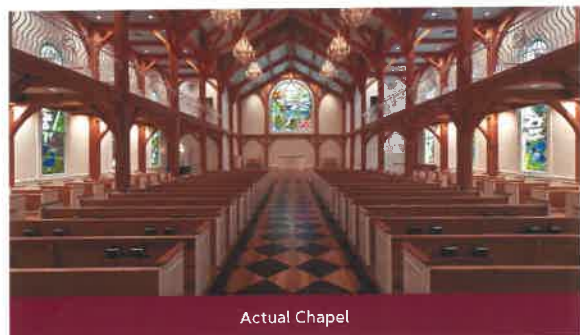
Architectural Expertise:

- > 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

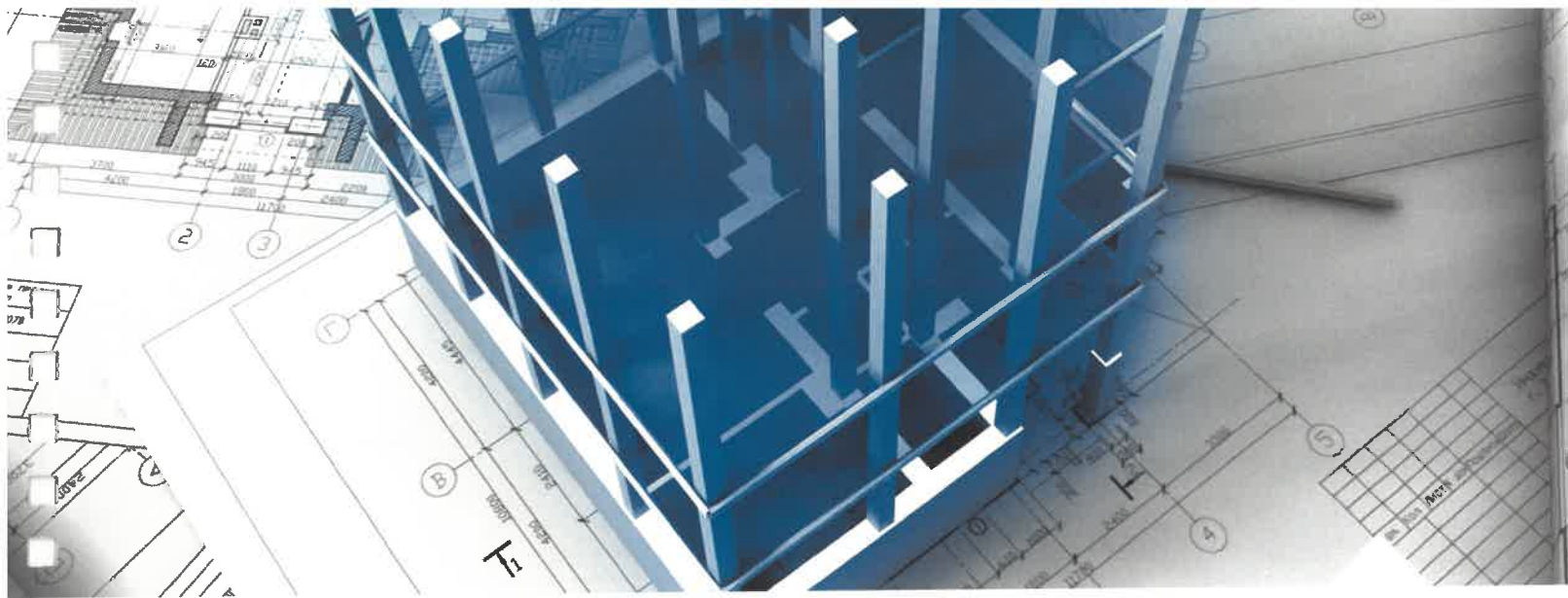


VIRTUAL REALITY

Thrasher combines cutting-edge computer technology with the expertise of architects and designers to develop 3D models of proposed projects. Based on the Building Information Modeling (BIM) models developed during the design process, these virtual reality models (VR) can be viewed and studied from any angle and are an invaluable tool for communicating the intent of a design idea. With VR images and animations, a design concept can be experienced and understood in a way that is not possible with traditional floor plans.



Thrasher's VR modeling generates excitement about a project's potential before any construction begins! Our personnel have created hundreds of VR models, and it has become an essential tool to the design process.



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:

- > **Accuracy:** BIM technology delivers exceedingly accurate construction documents at any given phase of the building design, enhancing project cohesion.
- > **Cost Savings:** This technology examines how a completed building comes together in the end, which reduces the amount of change orders during construction.
- > **Quality:** BIM delivers incredibly realistic renderings within the construction documents, thus, ensuring a higher quality end product for the client.



INTERIOR DESIGN

Thrasher offers a broad range of interior design services to meet the needs of each project. Our interior design staff specializes in taking your space from average to spectacular. We take time to listen to our clients and learn their vision for the space. If visualization isn't your strong suit, our designers will come up with multiple schemes for you to choose from to ensure we give you a space of which you can be proud.

Whether you prefer bright and bold or more traditional finishes, our team is sure to come up with a design that works for you. All of our designs utilize environmentally-friendly materials, but if you prefer to obtain LEED certification, our interior design team holds the esteemed LEED certified interiors accreditation. No matter whether your interior design needs are large or small, our team of professionals will be there to guide you every step of the way.

Interior Design Expertise:

- > Tenant Fit-Outs
- > 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