

THRASHER

ARCHITECTURE | ENGINEERING | FIELD SERVICES



BUILDING SIX INTERIOR RENOVATIONS

CE01 0211 GSD1800000005

Submitted by
The Thrasher Group, Inc.
May 3, 2018

05/02/18 11:47:54
WV Purchasing Division



ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.:

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

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

Addendum Numbers Received:

(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

The Thrasher Group, Inc.

Company



Authorized Signature

May 2, 2018

Date

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

Revised 02/16/2018



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

State of West Virginia
Centralized Expression of Interest
02 — Architect/Engr

Proc Folder: 438110

Doc Description: Addendum 1 - EOI: Building Six Interior Renovations

Proc Type: Central Contract - Fixed Amt

Date Issued	Solicitation Closes	Solicitation No	Version
2018-04-24	2018-05-03 13:30:00	CEOI 0211 GSD1800000005	2

BID RECEIVING LOCATION

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION

2019 WASHINGTON ST E

CHARLESTON

WV 25305

US

VENDOR

Vendor Name, Address and Telephone Number:

FOR INFORMATION CONTACT THE BUYER

Michelle L Childers

(304) 558-2063

michelle.l.childers@wv.gov

Signature X

FEIN #

DATE

5-1-18

All offers subject to all terms and conditions contained in this solicitation

ADDITIONAL INFORMATION:**Addendum**

Addendum No. 1 issued to provide clarification and language revisions regarding the overall project scope having increased from three (3) to five (5) floors for design of renovations, per Attachment A.

End of Addendum

Expression of Interest

The West Virginia Purchasing Division for the agency, The West Virginia General Services Division, is soliciting CEOI responses from qualified firms to provide architectural/engineering design and construction phase services for interior renovations of floors 2,3, and 4 of Building Six on the West Virginia Capitol Campus, per the attached bid requirements, specifications, and terms and conditions.

INVOICE TO	SHIP TO
DEPARTMENT OF ADMINISTRATION GENERAL SERVICES DIVISION 112 CALIFORNIA AVENUE, 5TH FLOOR CHARLESTON WV25305 US	DEPARTMENT OF ADMINISTRATION GENERAL SERVICES 112 CALIFORNIA AVENUE, 5TH FLOOR CHARLESTON WV 25305-0123 US

Line	Comm Ln Desc	Qty	Unit Issue
1	EOI: Building Six Interior Renovations	0.00000	

Comm Code	Manufacturer	Specification	Model #
81101508			

Extended Description :

EOI: Building Six Interior Renovations

SOLICITATION NUMBER: CEOI 0211 GSD1800000005
Addendum Number: 1

The purpose of this addendum is to modify the solicitation identified as ("Solicitation") to reflect the change(s) identified and described below.

Applicable Addendum Category:

- ☐ | Modify bid opening date and time
- ☒ | Modify specifications of product or service being sought
- ☐ | Attachment of vendor questions and responses
- ☐ | Attachment of pre-bid sign-in sheet
- ☐ | Correction of error
- ☐ | Other

Description of Modification to Solicitation:

Addendum issued to publish and distribute the attached documentation to the vendor community.

1. The purpose of this addendum is to provide clarification and language revisions regarding the overall project scope having increased from three (3) to five (5) floors for design of renovations, per Attachment A

No other changes.

Additional Documentation: Documentation related to this Addendum (if any) has been included herewith as Attachment A and is specifically incorporated herein by reference.

Terms and Conditions:

1. All provisions of the Solicitation and other addenda not modified herein shall remain in full force and effect.
2. Vendor should acknowledge receipt of all addenda issued for this Solicitation by completing an Addendum Acknowledgment, a copy of which is included herewith. Failure to acknowledge addenda may result in bid disqualification. The addendum acknowledgement should be submitted with the bid to expedite document processing.

ATTACHMENT A

In Section One, "Project," of the originally published CEOI, this statement appeared: "The mission or purpose of the project for which the EOI is being solicited is to provide programming and full service architectural/engineering design and construction phase services for the interior renovations of Floors 2, 3 and 4 of Building Six on the West Virginia Capitol Campus." Please strike that sentence and revise to read as follows: "The mission or purpose of the project for which the EOI is being solicited is to provide programming and full service architectural/engineering design and construction phase services for the interior renovations of Floors 2 through 6 of Building Six on the West Virginia Capitol Campus."

In Section Three, Item 2. "Background," of the originally published CEOI, this statement appeared: "The building has experienced multiple interior and exterior renovations in the past decade, but the Agency now wishes to design and construct interior renovations to the 2nd, 3rd, and 4th floors to accommodate State agency tenancy." Please strike that statement and revise to read as follows: "The building has experienced multiple interior and exterior renovations in the past decade, but the Agency now wishes to design and construct phased interior renovations to the 4th, 5th and 6th floors while, at a minimum, performing actions (such as abatement and demolition) to the 2nd and 3rd floors in preparation for a later interior renovation project."

In Section Three, Item 4.1, first sentence, replace the word "three" with "five."

In Section Three, Item 4.2, second sentence, replace the word "three" with "five."

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: GSD1800000005

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Addendum Numbers Received:

(Check the box next to each addendum received)

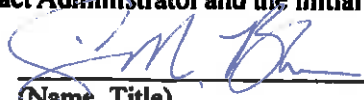
- | | |
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The Thrasher Group
Company
JM BL
Authorized Signature
5-1-18
Date

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.
Revised 6/8/2012

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 - Architecture Division Manager

(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, Architecture Division Manager

(Printed Name and Title of Authorized Representative)

May 2, 2018

(Date)

304-624-4108 / 304-624-7831

(Phone Number) (Fax Number)

Revised 02/16/2018

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

Contracting Business Entity: The Thrasher Group, Inc. Address: 600 White Oaks Blvd.
Bridgeport, WV 26330

Authorized Agent: Craig Baker Address: _____

Contract Number: 304-324-6388 Contract Description: Building Six Renovation

Governmental agency awarding contract: State Purchasing Division

☐ Check here if this is a Supplemental Disclosure

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

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

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

Allegheny Design Group

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

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

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

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

Craig Baker, Architecture Division Manager

Signature: [Signature] Date Signed: 5-1-18

Notary Verification

State of West Virginia, County of Harrison:

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

Taken, sworn to and subscribed before me this 1 day of May, 18.

[Signature]
Notary Public's Signature

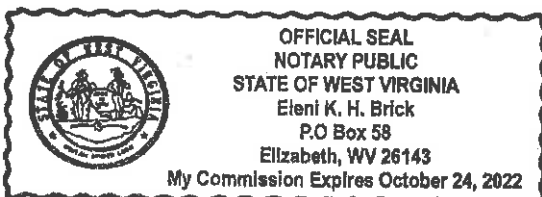
To be completed by State Agency:

Date Received by State Agency: _____

Date submitted to Ethics Commission: _____

Governmental agency submitting Disclosure: _____

Revised October 7, 2017



STATE OF WEST VIRGINIA
Purchasing Division
PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), 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: 5-1-18

State of West Virginia

County of Harrison to-wit:

Taken, subscribed, and sworn to before me this 1 day of May, 2018

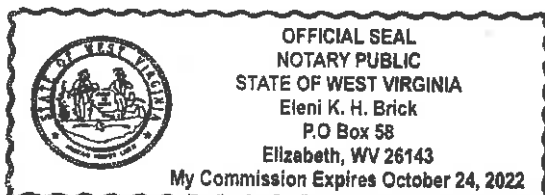
My Commission expires October 24, 2022

AFFIX SEAL HERE

NOTARY PUBLIC

Eleni K. H. Brick

Purchasing Affidavit (Revised 01/19/2018)



May 3, 2018

Attn: Michelle Childers, Senior Buyer
Department of Administration
Purchasing Division
2019 Washington Street, East
Charleston, WV 25305

RE: State Capitol Complex Building Six Interior Renovations

Dear Ms. Childers and Members of the Selection Committee:

The Thrasher Group appreciates the opportunity to submit on the Building Six Interior Renovation project at the West Virginia State Capitol Complex. Our Capitol Complex is a reflection of both the people and potential of the State of West Virginia. As the largest A/E firm in WV we are excited for the opportunity to be part of this effort for continued improvements. We are no strangers when it comes to such tasks outlined in the EOI. We are confident the enclosed materials showcase our team and the capabilities to provide the best quality to the State of West Virginia.

- > Our team is built with knowledgeable experts in historic structure renovations.
- > We are seven minutes away from the State Capitol Complex.
- > Our team has a licensed contractor and construction administrator who have overseen multiple upgrades to existing buildings.
- > Our team has a licensed asbestos inspector and has the resources to perform management planning to develop an operations and maintenance plans.
- > We have experience in designing for occupancy during construction

Thrasher is the largest A/E firm in the State of West Virginia and can provide additional services if needed. We are prepared to provide timely responses and frequent site visits and meetings to fit the needs of all members involved.

We look forward to discussing further with you in an interview to better showcase our capabilities and how we will execute your project.

Sincerely,
THE THRASHER GROUP, INC.



Craig Baker, CFP
Architecture Division Manager

HISTORIC

We have extensive experience working with historic structure renovation, rehabilitation and re-adaptations. Whether or not the structure is a Contributing Structure on the National Register of Historic Structures, we know how to maintain and respect important historic elements while developing our designs.

PROFESSIONAL OFFICES

We have extensive experience in designing professional office buildings for governmental entities, commercial tenants and professional services. We understand both today's professional environments and the importance of flexible, adaptable design that can accommodate tomorrow's needs.

GREEN / LEED

With seven LEED professionals on staff, and as the A/E team responsible for the largest LEED Gold Certified building in WV, we are proud of our practice of "green" design. We endeavor to incorporate sustainable design and constructions practices in every project, whether it is for LEED credits, Green Globe certification, or for the sake of doing the right thing.

VISUALIZATION TECHNOLOGY

We utilize the latest in BIM software and techniques. A virtual 3D model will be created by the A/E team to develop the design and produce construction documents. The BIM method eliminates potential system conflicts and provides a study tool to maximize design efficiencies. Animations and images will show the completed design so everyone understands the anticipated finished product.

ENVIRONMENTAL

We have an experienced environmental division with the capabilities to inspect, sample, test and analyze potential hazardous materials, and then identify, quantify and produce abatement contract documents per applicable regulations.

CONSTRUCTION

An added advantage that we bring is the diverse experience of our dedicated staff. In addition to the large team of designers, architects and engineers, we have numerous personnel with backgrounds as contractors. This gives us some important advantages; we develop detailed construction cost estimates based on "real-world" experience, 2) we think about 'constructability' during the to maximize efficiencies, and 3) we have folks dedicated to construction administration with decades of experience reviewing contractor work.

PROXIMITY

While we have offices in six states, The Thrasher Group is headquartered in West Virginia, and our Office is only minutes from the Capitol grounds.

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The Thrasher Group

THRASHER

MISSION

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

VISION

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

CORE PRINCIPLES

Quality
Safety
Adaptability
Integrity



8

OFFICES
in six states:

West Virginia
Virginia
Pennsylvania
Ohio
Maryland
Kentucky



380

EMPLOYEES

33 Licensed
Professional Engineers

20 Licensed
Professional Surveyors

6 Licensed
Professional Architects

1 Licensed
Asbestos Inspector

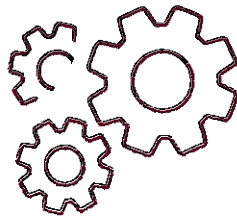
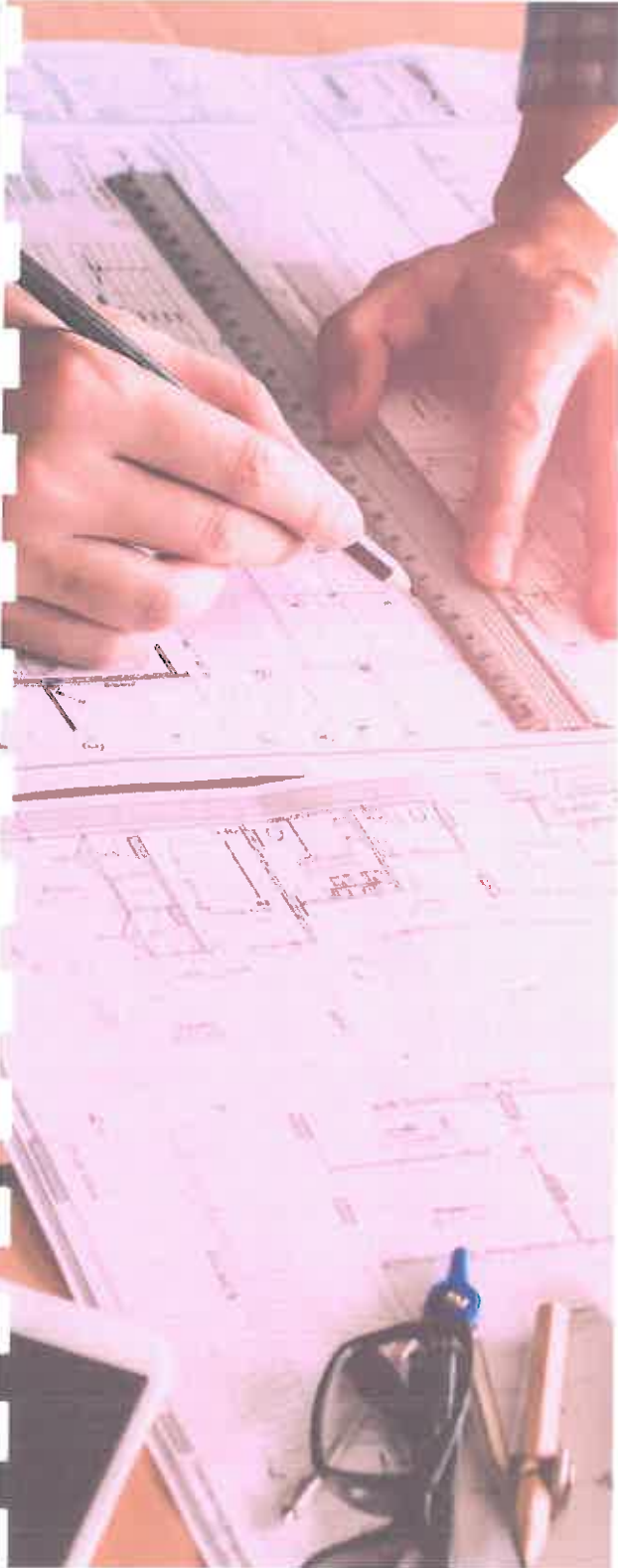


35

YEARS
of delivering
successful
projects

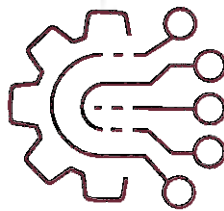
Main Point of Contact

Craig Baker, CFP
Architecture Division Manager
cbaker@thethrashergroup.com
Cell: 304-669-3022
Office: 304-326-6388



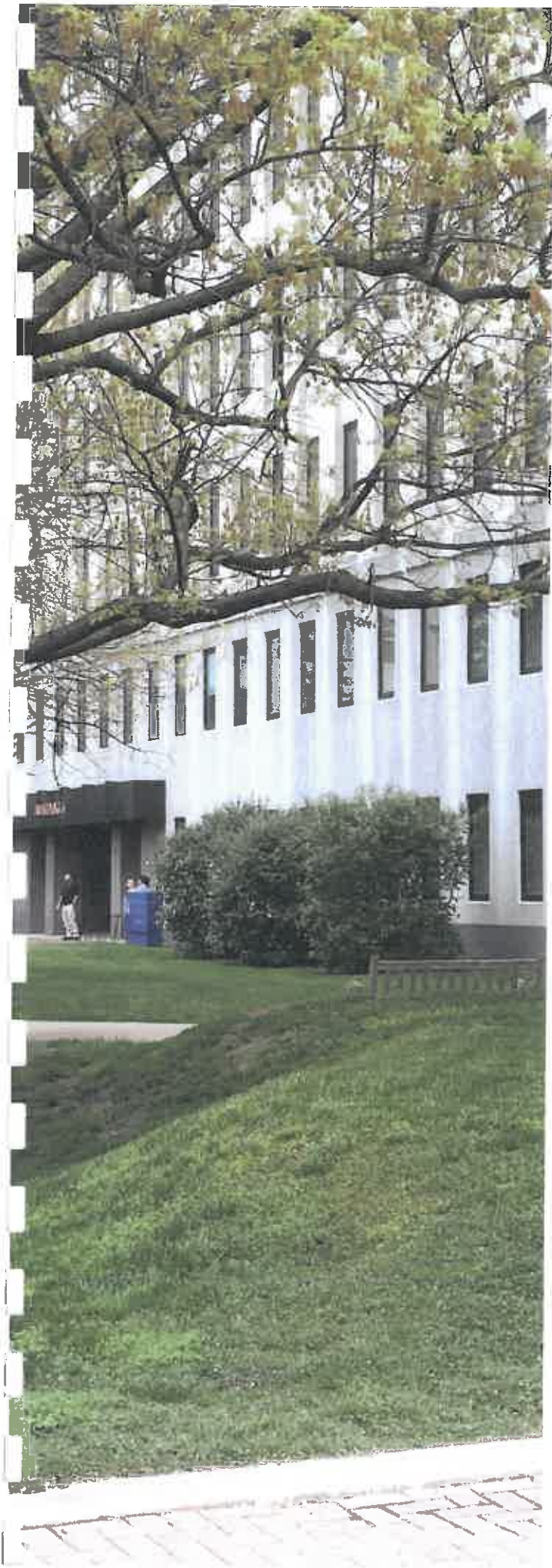
SERVICES

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



CORE MARKETS

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



Project Approach

THRASHER

Thrasher's approach to the Building Six interior renovation is as followed:

EVALUATION

IDENTIFICATION OF PROJECT GOALS:

- > Gain understanding of specific needs
- > Discuss preliminary program, scheduling targets and budgetary limitations
- > Determine and prioritize general needs

SURVEY AND DOCUMENT EXISTING PROPERTY CONDITIONS:

- > Field survey, measure and record existing conditions
- > Produce an accurate three-dimensional model (BIM) of the existing property, including site plan, building plans of each floor and building elevations

INITIAL ENVIRONMENTAL ASSESSMENT:

- > Identify potentially hazardous materials in areas affected by proposed improvements, and collect samples as applicable

STORMWATER MANAGEMENT ASSESSMENT:

- > Inspect existing conditions of site, roof, and building envelope to identify needed corrective work and verify adequacy of stormwater collection system

ELECTRICAL, MECHANICAL AND PLUMBING SYSTEMS ASSESSMENT:

- > Verify existing conditions and system adequacy
- > Incorporate existing systems into BIM model

REPORT

OVERALL PLANS AND REPORT:

- > Report that reviews findings, presents recommendations for phasing of work with anticipated schedules and associated funding
- > Identify code deficiencies and propose design solutions to correct issues
- > important considerations in developing plans for improvements;
 - > Existing building conditions and required upgrades
 - > Maintaining historic integrity and character
 - > Reasonable, justifiable, economy-minded approaches
 - > Utilizing sustainable construction practices
 - > Establishing specific goals for, or comparable to, LEED credits
 - > Minimizing disruption to building occupants during the Work
 - > 'Constructability' considerations such as contractor storage and staging, removal of demolition materials and delivery of new construction materials

PROGRAMMING:

- > General needs anticipated for the various project phases
- > Specific Tenant programming; spatial needs, functional relationships and anticipated occupant loading

DESIGN

For each phase of Work the following would be performed as requested:

SCHEMATIC DESIGN PHASE:

- > Indicate the general improvements proposed, including demolition and renovation work
- > Schematic plans and elevations
- > Preliminary 3D images of areas where aesthetics are a prime consideration
- > Preliminary cost estimates
- > Preliminary construction schedules
- > Meetings with Owner to review for revisions
- > Revise to achieve approval of design and scope of work

DESIGN DEVELOPMENT PHASE:

- > Drawings indicating the proposed scope of work and the design intent in greater detail
- > Outline specifications indicating proposed systems and general level of quality, often with 'basis-of-design' information
- > Design solutions to required mechanical, electrical and plumbing work
- > Design renderings and/or animations that approximate the completed work
- > More detailed construction cost estimate
- > Proposed construction schedule
- > Considerations include;
 - > Building, Life Safety, Accessibility code compliance
 - > Material acquisition and delivery times
 - > Industry design trends vs. traditional methods
 - > Flexibility for future technological advancements
 - > Sustainability practices
 - > System reliability
 - > Maintenance requirements
 - > Budget limitations and expiration of funds
 - > Maximizing environmental comfort for building occupants
 - > Get natural light as far into the building as possible
 - > Potential bidders (contractors)
- > Review outline specifications for systems and materials with Agency Procurement Officer
- > Preliminary code review with State Fire Marshal
- > Review design intent with Capitol Building Commission
- > Meetings with Owner to review plans and specifications
- > Revise to further refine design and scope of work

CONSTRUCTION DOCUMENT PHASE:

- > Complete Construction Documents
- > Detailed drawings include all necessary information for bidding and construction; hazardous material abatement plans (as required), site plans, demolition plans, structural plans, floor plans, ceiling plans, sections and details, schedules, standards, etc.
- > Detailed specifications for all systems and materials to give bidders unambiguous requirements for bidding and construction. Unless indicated otherwise by the Owner, specifications for systems and materials will be quality and performance-based and allow for multiple vendors to compete
- > Final construction cost estimate
- > Final construction schedule
- > Develop qualification requirements for prospective bidders
- > Formal submissions to AHJ's for review
 - > State Fire Marshal's Office
 - > Capitol Building Commission
 - > Agency review committees
 - > Municipal Building Permit agencies (as applicable)
 - > Health Department (as applicable)
 - > Meetings with Owner to review Bid Documents

CONSTRUCTION

BID PHASE:

- > Prepare formal Advertisement for Bids
- > Provide Bid Documents
- > Conduct Bid Opening
- > Evaluate Bid results
- > Reviewing and verifying bidder qualifications

CONSTRUCTION ADMINISTRATION:

- > Prepare Contracts, Notices of Award, Notices to Proceed
- > Respond to Requests for Information
- > Review and approval of Submittals and Shop Drawings
- > Perform regular site visits to verify quality of work and compliance with Contract Documents
- > Review and approve Applications for Payment
- > Prepare media to assist Owner/Agency/Tenant with selection of interior finishes and colors
- > Perform Substantial and Final Completion walk-throughs and develop applicable Certificates

WARRANTY:

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

Thrasher's approach to the Abatement of Hazardous Materials is as followed:

EVALUATION

IDENTIFICATION OF PROJECT GOALS:

- > Gain understanding of specific needs
- > Discuss preliminary program, scheduling targets and budgetary limitations
- > Determine and prioritize general needs

IDENTIFICATION OF EXISTING HAZARDOUS MATERIALS:

- > Prepare Asbestos Building Inspection in general accordance with the with the procedures contained in Title 64 Code of State Regulations Series 63 "Asbestos Abatement Licensing Rule" (64CSR63) Section 7, and the National Emission Standard for Hazardous Air Pollutants (NESHAPS), Title 40 Code of Regulations Part 61, Subpart M
- > Perform initial site walk through to identify existing suspect asbestos containing material (ACM) and measure approximate quantities.
- > Perform bulk sampling of suspect ACM
- > Deliver bulk samples to WV certified asbestos analytical laboratory for identification of type and amount of asbestos contained in each sample
- > Field drawings that show the location of each sample taken as well as scale drawings of the investigated locations

REPORT

ASBESTOS SAMPLING REPORT:

- > Presents and quantifies lab analysis results
- > Provides photo documentation of sample locations
- > Provides estimated quantities of homogenous areas

PROJECT DESIGN:

- > Review and consider any existing Asbestos Building Inspections performed on the site.
- > Review all Building construction and renovation drawings
- > Considers quantities and condition of ACM to develop the best course of action.
- > Considers all available options for removal, encapsulation, enclosure or continued use through operation and maintenance of ACM
- > Provides a plan for safe removal of ACM
- > Provides sequencing of work
- > Provides a summary of materials to be abated
- > Provides a cost estimate of Hazardous Material to be removed

ABATEMENT

BID PHASE:

- > Prepare formal Advertisement for Abatement Contractor Bids
- > Provide Bid Documents
- > Conduct Bid Opening
- > Evaluate Bid results
- > Reviewing and verifying bidder qualifications

ABATEMENT ADMINISTRATION:

- > Prepare Contracts, Notices of Award, Notices to Proceed
 - > Prepare 10-Day Notification of Demolition or Renovation
 - > Provide demolition oversight
 - > Provide sampling of any newly discovered suspect ACM
- > Respond to Requests for Information
- > Review and approval of Submittals and Shop Drawings
- > Perform regular site visits to verify quality of work and compliance with Contract Documents
- > Review and approve Applications for Payment
- > Prepare media to assist Owner/Agency/Tenant with selection of interior finishes and colors
- > Perform Substantial and Final Completion walk-throughs and develop applicable Certificates

WARRANTY:

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



Project Team

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WEST VIRGINIA GENERAL SERVICES DIVISION



Craig Baker, CFP
Architecture Division Manager



Allegheny
Design Services
Consulting Engineers



Joe Sindair, AIA
Project Architect



Kenton Blackwood,
Assoc. AIA, LEED AP
Lead Designer



Jim Decker, MBA
Construction Logistics Manager



Robert Kendall
Environmental Scientist



Lee Gustafson, AIA, NCARB
Historic Architect



Bill Ratcliffe, REFP
Construction Administration



Robert Severt
Environmental Scientist

CRAIG BAKER, CEFP

Principal-in-Charge



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

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

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

As manager of Thrasher's 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

Doddridge County Commission Courthouse Renovations

Role: Principal-in-Charge
> Doddridge County, WV

Greater Bridgeport Convention & Visitors Bureau

Role: Principal-in-Charge
> Harrison County, WV

Harrison County Courthouse Interior and Exterior Renovations

Role: Principal-in-Charge
> Harrison County, WV

City of Grafton Mother's Day Shrine Historic Preservation Project

Role: Principal-in-Charge
> Taylor County, WV

Barbour County Career Center Renovations and Annex

Role: Principal-in-Charge
> Barbour County, WV

Project Architect



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

Joe is an Iraq War Veteran and former member of the West Virginia Army National Guard. In addition to working full-time as an Architect at Thrasher, Joe serves as an Adjunct Professor in the Construction Management program at BridgeValley Community & Technical College in South Charleston, WV. Joe's expertise lies in utilizing building information modeling (BIM) software for project development, documentation, and management.

Education

Master of Architecture
Savannah College of Art & Design

Bachelor of Science
Architectural Engineering
Fairmont State University

Registrations

Professional Architect (AIA)
> West Virginia

Affiliations

- > NCARB Certificate
- > LEED Accredited
Professional, Building Design
& Construction 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

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
> Fayette County, WV

West Virginia Turnpike Rest Area

Role: Project Architect
> Fayette County, WV

WV Division of Weights and Measures HVAC & Envelope Retrofit

Role: Project Architect
> Kanawha County, WV

Harrison/Taylor County 911 Center

Role: Project Architect
> Harrison County, WV

Lead 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

Hutchinson House Historic Restoration and Readaptation

Role: Lead Designer
> Marion County, WV

Veterans Square Building Historic Restoration/ Readaptation

Role: Lead Designer
> Marion County, WV

Boy Scouts of America Welcome Center

Role: Lead Designer
> Fayette County, WV

Greater Bridgeport Convention & Visitors Bureau

Role: Lead Designer
> Harrison County, WV

Buxton-Landstreet Building Interior and Exterior Renovations

Role: Lead Designer
> Tucker County, WV

Donel C. Kinnard Memorial State Veterans Cemetery

Role: Lead Designer
> Kanawha County, WV

Historic Architect



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

Lee's knowledge of historical restoration protocol and permitting allows him to easily guide clients through the vast regulatory landscape associated with this type of work.

Education

Bachelors of Science,
Architecture
University of Cincinnati

Registrations

Professional Architect (AIA)

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

Affiliations

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

Experience

Doddridge County Commission Courthouse Renovations

Role: Project Architect
> Doddridge County, WV

WV Board of Pharmacy New Office Renovations

Role: Project Architect
> Harrison County, WV

Edel Building Historic Rehabilitation Project

Role: Project Manager
> Harrison County, WV

Dominion Natrium Plant Processing Facility Additions

Role: Project Architect
> Monongalia County, WV

Rahall Center at the Woodlands Office Building

Role: Project Architect
> Raleigh County, WV

Construction Logistics Manager



Jim Decker, MBA brings over 25 years of experience in construction estimating and management for the private and public sectors. He provides services with inspections, site monitoring, cost control, schedules, contract administration, payment processing, shop and coordination drawings, change orders and project reports.

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

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
- > Eagle Scout, B.S.A, 1981
- > Cub Scouts & Boy Scouts of America
- > City of Fairmont, BOCA Board of Appeals
- > Water Commissioner
- > St. Paul United Methodist Church—Pastor Parish Relations, Building Committee, Trustees

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

City of Romney New Public Works Facility

Role: Construction Estimator
> Raleigh County, WV

Dominion Natrium Plant Processing Facility Additions

Role: Construction Estimator
> Monongalia County, WV

Dominion Goshen Road New Facility

Role: Construction Estimator
> Monongalia County, WV

White Oaks Business Park Site Development

Role: Construction Estimator
> Harrison County, WV

Fairmont State University Feaster Center Additions and Renovations

Role: Construction Estimator
> Marion County, WV

Fairmont State University "Falcon Center" Recreation Facility

Role: Construction Estimator
> Marion County, WV

Construction Administration



Bill Ratcliffe, REFP has over two decades of experience involved in the completion of successful construction projects. He has spent the last 10 years of his career working as a construction administrator on public and private projects, ensuring the successful completion of projects. Bill also spent nearly 14 years of his career working for the West Virginia School Building Authority (SBA) where he worked in educational facilities planning.

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

Education

Regents Degree,
West Virginia State University

Registrations

Recognized Educational Facility
Planner (REFP)

Experience

City of Beckley New Police Station

Role: Construction Administrator
Raleigh County, WV

West Virginia Public Service Commission Facade Replacement

Role: Construction Administrator
> Kanawha County, WV

Jefferson County Convention and Visitor's Bureau

Additions and Renovations
Role: Construction Administrator
> Jefferson County, WV

New Rupert Elementary School

Role: Construction Administrator
> Greenbrier County, WV

West Virginia University Robert C. Byrd Health Sciences Renovations

Role: Construction Administrator
> Monongalia County, WV

ROBERT KENDALL

Environmental Scientist



Education

Bachelor of Science
Geology
West Virginia University

Trainings/Certifications

- > OSHA 10-hour Construction Safety Training
- > OSHA 40- Hour HAZWOPER training
- > OSHA 8-Hour Supervisor Training
- > Electrical Safety Awareness Training
- > U.S. Coast Guard Auxiliary Boating Safety
- > AHA Heart Saver First Aid CPR / AED

Robert Kendall has worked in the remediation and environmental fields for two decades, and has served as an environmental geologist, supervisor, client oversight representative, and treatment system operator. He has experience in a multitude of environmental, remediation, O&M, and earthwork projects.

Previously, Robert was a licensed asbestos inspector from 1999 to 2003. He performed inspections throughout the State of West Virginia where he worked on both small and large scaled project sites. His specialties include treatment system O&M, drilling and DPT oversight; air, soil, and water sampling, and rock and soils identification. He has worked on projects ranging from large scale Superfund treatment systems to small data gap investigations.

Experience

Home Inspections

Role: Asbestos Inspector
> Wood County, WV

Derelict Schools Inspections

Role: Asbestos Inspector
> Various Counties, WV

Coal Facilities Inspections

Role: Asbestos Inspector
> Various Counties, WV

Spelter Smelter VRF

Role: Asbestos Inspector
> Harrison County, WV

WV Youth Detention Facility

Role: Asbestos Inspector
> Kanawha County, WV

Environmental Scientist



Education

Bachelor of Science
Geology
West Virginia University

Registrations

Licensed Asbestos Building
Inspector

- > West Virginia (██████████)
- > Virginia
- > Ohio

Licensed Asbestos Management
Planner

- > West Virginia (██████████)
- > Ohio

Licensed Asbestos Abatement
Project Designer

- > West Virginia (██████████)

Affiliations

- > ACI Field Testing Technician – Grade I
- > ACI Aggregate Base Testing Technician
- > WVDOH S.A.C. Technician
- > WVDOH PCC Inspector
- > WVDOH TRET – Level III
- > HDPE Fusion Certified
- > 2017 Antero Safety Training
- > SafeLand USA Training
- > OSHA 10-hour Construction Safety Training
- > OSHA 30-hour Construction Safety Training
- > OSHA 40- Hour HAZWOPER Training
- > AHA Heart Saver First Aid CPR / AED

Robert Severt has over 12 years of experience in the construction and environmental fields working as an environmental geologist, project representative and skilled laborer. He has experience in a multitude of environmental, earthwork and construction projects. His specialties include slip evaluations, rock and soils identification, slope materials analysis, drainage, erosion and sediment control, mix design for full depth reclamation, Asbestos Building Inspections, Abatement Project Design and Phase I Environmental Site Assessments.

Robert is certified by the American Concrete Institute (ACI) as an Aggregate Base Testing Technician and a Concrete Field Testing Technician. He is also certified as an Asbestos Building Inspector, Management Planner, and Abatement Project Designer by Environmental Protection Agency approved trainings. He has worked on projects ranging from large scale commercial developments to small private ventures. In addition, Robert is proficient in Geographical Information Systems (GIS) use in site assessment and development and the use of GPS equipment.

Experience

Hollick Run Asbestos Building Inspection for Planned Demolition

Role: Asbestos Building Inspector and Asbestos Project Designer

- > Lewis County, WV

Lightburn Asbestos Building Inspection for Continued Use and Future Demolition

Role: Asbestos Building Inspector, Asbestos Project Designer and Asbestos Management Planner

- > Lewis County, WV

Regional Airport Asbestos Building Inspection for Renovations

Role: Asbestos Building Inspector

- > Kanawha County, WV

Fish Creek Asbestos Building Inspection for Demolition

Role: Asbestos Building Inspector, Asbestos Project Designer

- > Marshall County, WV

Licensed Architects

- Matt Breakey
 - > Project Architect
- Lee Gustafson
 - > Project Architect
- Phillip Freeman
 - > Project Architect
- Josh Lyons
 - > Project Architect
- Joe Sinclair
 - > Project Architect
- Amanda Cheuvront
 - > Project Architect



Certified Educational Facility Planners

- Craig Baker
 - > Certified Educational Facility Planner
- Bill Ratcliffe
 - > Recognized Educational Facility Professional



Certified Building Commissioning Professionals

- CJ Smith
 - > Certified Building Commissioning Professional

Construction Administrators

- Bill Ratcliffe
 - > Construction Estimator
- Jeff Roberts
 - > Construction Estimator
- Jim Decker
 - > Construction Estimator

Staff Experienced with BIM Design & Construction

- Craig Baker
 - > Principal-in-Charge
- Kenton Blackwood
 - > Project Manager
- Matt Breakey
 - > Project Architect
- Josh Lyons
 - > Green Design Specialist
- Dan Garvin
 - > Green Design Specialist
- CJ Smith
 - > Green Design Specialist
- Ashley Lyons
 - > Intern Architect
- Stacie Shevchuck
 - > Interior Designer
- Joe Sinclair
 - > Project Architect

LEED AP Professionals

- Kenton Blackwood
 - > Project Manager
- Matt Breakey
 - > Lead Project Architect
- Josh Lyons
 - > Green Design Specialist
- Dan Garvin
 - > Green Design Specialist
- CJ Smith
 - > Green Design Specialist
- Joe Sinclair
 - > Project Architect
- Greg Sheffer, PE
 - > Senior Project Manager



Specialized Architectural Consultants

- N. Kent Gandee
 - > Educational Planning Architect

National Council of Architectural Registration Boards

- Matt Breakey
 - > Project Architect
- Amanda Cheuvront
 - > Project Architect
- Joe Sinclair
 - > Project Architect
- Lee Gustafson
 - > Project Architect

MEP Experts



ALLEGHENY DESIGN SERVICES (ADS) provides Structural & MEP facility engineering design services to architects, industrial and commercial contractors, and owners.

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

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

Structural Services

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

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

MEP Services

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

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

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



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Dominion

Client Contact:

Mr. Warren Green, Director of Facilities

925 White Oaks Blvd. | Bridgeport, WV 26330

304-627-3192

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

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



Greater Bridgeport Convention and Visitors Bureau

Client Contact:

Michelle Duez, Director

164 W. Main Street | Bridgeport, WV 26330

304-848-7200

Located in North Central West Virginia, the Greater Bridgeport Convention and Visitors Bureau is a new 23,000 SF, two-story, multi-tenant facility that was designed to deliver the community a central hub for its visitor information and education.

The building is comprised of multiple businesses including the Convention and Visitors Bureau headquarters, a future restaurant, educational facilities for Fairmont State University, and a covered event space for community events and the local farmer's market.

Hutchinson House

Client Contact:

Laura Kuhns, Executive Director

830 Walnut Avenue | Fairmont, WV 26554

304-368-1555



The Hutchinson House was purchased in 1998 by the Fairmont Community Development Partnership (a non-profit who focuses on the revitalization and rehabilitation of historic places in Fairmont) and later sold to the Vandalia Heritage Foundation. This property is historically significant because it was designed by Andrew C. Lyons, Architect, for coal baron Clyde E. Hutchinson at the turn of the century.

Mr. Kenton Blackwood was selected to provide professional services for the restoration of the building's exterior. After complete, the project was awarded an AIA Craftmanship Award for the quality of the exterior restoration.

Vandalia Heritage Foundation renovated the former home interior into meeting rooms and offices that accommodate everyday use.



Stephenson House

Client Contact:

Senta Goudy, Executive Director

300 Campus Drive | Parkersburg, WV 26104

304-481-9819

In late 2015 Thrasher was selected by WVU-Parkersburg to provide professional services for the recently acquired Stephenson House in Parkersburg.

This valuable property, listed on the National Register of Historic Places as a Contributing Structure since 1980, was in need of MEP upgrades, interior renovation and re-finishing, security system, as well as ADA accessibility upgrades, new sidewalks and stormwater management system.

Thrasher performed an extensive survey and documentation of the existing conditions, produced 3D interior and exterior BIM models of the entire structure, developed detailed scope-of-work bid documents in accordance with the Owner's budget, and bid the project. The project bid came in on target with the construction estimates prepared by Thrasher, and the project was awarded to a contractor that specialized in historic restoration.



Doddridge County Court House

Client Contact:

Randee Britton, County Administrator

118 E. Court Street, Suite 1 | West Union, WV 26456

304-371-1373

Thrasher was selected by Doddridge County Commission to provide professional services for Doddridge County Courthouse located in West Union, West Virginia. The courthouse is listed on the National Register of Historic Places and the site and surrounding buildings are listed as part of a Historic Neighborhood. The Courthouse was in need of an interior renovation to provide adequate space for new and growing departments, a sprinkler upgrade to the whole building for fire safety, and extensive repointing and repair work to the exterior masonry and tile roof.

Thrasher surveyed and prepared documentation of the existing conditions through BIM modeling; producing detailed plans, elevations, and details for the scope-of-work bid documents as well as , a 3D model of the entire structure. The project bid came in on target with the Owner's budget and the construction estimates prepared by Thrasher, and the project was awarded to a contractor that specialized in historic restoration.

Veterans Square Memorial Plaza

Client Contact:

Clyde Judy (Former President)

Military Veterans Council of Marion County

304-363-7902

This AIA award winning project was the culmination of a decade long effort by public and private entities to transform a blighted area of downtown Fairmont into a vibrant useful veterans plaza. In the late 1980's, the Chair of the Military Veterans Council of Marion County, Clyde Judy, approached Blackwood to design a veterans plaza that would; 1) clean up a prominent, but dilapidated, corner located in downtown Fairmont, 2) provide an open-air plaza that could be used for community functions, and 3) pay respect to county veterans killed in action.

Blackwood developed a concept for the plaza which included a flag circle, a statue of soldiers from various eras and conflicts, planting beds with seating areas, a raised stage, and as a focal point three large granite slabs with the names of county veterans lost to war. Blackwood utilized 3D software to produce architectural renderings of the design. The Veterans Council then used these renderings to generate public interest and garner support. Over a few years, the Council generated enough support to fully fund the plaza work.



Excited by the community interest, the City of Fairmont partnered with the Veterans Council and funded a multi-level parking structure that would alleviate a parking shortage in that area. The interest in the project soon caught the attention of a private commercial developer who purchased the historic G.C. Murphy Building adjacent to the proposed plaza and, with the assistance of Blackwood, rehabilitated it into a 70,000 SF high-tech, multi-tenant commercial building. The Veterans Plaza and Parking Garage were completed and dedicated on Veterans Day 2000, and the adjacent building, renamed the Veterans Square Building, was completed and opened in early 2001.

Recent Occupied Building Renovations

- MVA Clinic- 10 Phases
- Community Care of WV - 2 Phases
- Crichton Elementary
- Doddridge Elementary School
- United Technical Center
- Bridgeport City Hall - 2 Phases
- Marion County Health Department
- Fairmont State University Retton Arena
- MarkWest Energy Partners - 2 Phases
- Harrison County Health Department & NCWV Airport - 5 Phases





Hollick Run - Asbestos Building Inspection Planned Demolition

This confidential energy client retained The Thrasher Group to provide asbestos consulting services to prepare for the demolition of the four (4) on-site structures. The Thrasher Group's licensed asbestos building inspector identified and sampled 13 different homogenous materials throughout the site and assisted the client in identifying other potentially hazardous materials and situations throughout the site. Samples were sent to a licensed laboratory for analysis. Upon receipt of lab analysis results, The Thrasher Group's inspector prepared a report providing interpretation of the results. The Thrasher Group team worked closely with the client to complete preparation the 10 Day Demolition Notification.

Lightburn - Asbestos Building Inspection for Continued Use and Future Demolition

This confidential energy client retained The Thrasher Group to provide asbestos consulting services to prepare for the continued use and planned future demolition of a house that has been converted to office space. The Thrasher Group's licensed asbestos building inspector identified and sampled 13 individual homogenous materials throughout the site. Due to the continued use of the site, sampling locations were repaired in order to limit the exposure of all future occupants. The samples were sent to a licensed laboratory for analysis. Upon lab analysis the inspector prepared a report that provided interpretation of the results, the amount of asbestos containing material present, and the current condition of the materials. The Thrasher Group team prepared an abatement plan for the site while working with the client to meet all current needs for continued use. Samples were taken from the crawlspace and roofing materials of the site. Stringent safety protocols were followed to ensure the well-being of both the inspector and building occupants.





Airport - Asbestos Building Inspection for Renovation and Future Use

The Thrasher Group was retained to prepare for future growth of outdated hangers and office space at a regional airport. The Thrasher Group team identified 10 homogenous materials across four buildings totaling over 60,000 sq. ft. of floor space. The inspector took all possible steps to ensure the privacy of sensitive information contained on the site. Every precaution was taken to work with ground control and airport security to ensure the safety of the inspector, travelers, and airport personnel.

All sampling locations were repaired in a manner to adequately protect occupants from potential exposure while maintaining the professional atmosphere of the establishment. The samples were sent to a licensed laboratory for analysis. Upon lab analysis the inspector prepared a report that provided interpretation of the results.



Fish Creek - Asbestos Building Inspection for Demolition

This confidential energy client retained The Thrasher Group to provide asbestos consulting services to prepare for the demolition of a house trailer. The Thrasher Group's team identified nine homogenous materials. Representative samples were taken from each homogenous material and sent to a licensed laboratory for analysis. Upon receipt of laboratory analytical results, The Thrasher Group's team worked closely with the client to prepare a report that fit the client's needs and provided interpretation of the results and quantities of asbestos containing materials. The Thrasher Group team worked closely with the client in contractor bidding and planning for abatement and demolition proceedings.



Capabilities

THRASHER



ARCHITECTURE

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

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

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

Architectural Expertise:

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



CONSTRUCTION ADMINISTRATION

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

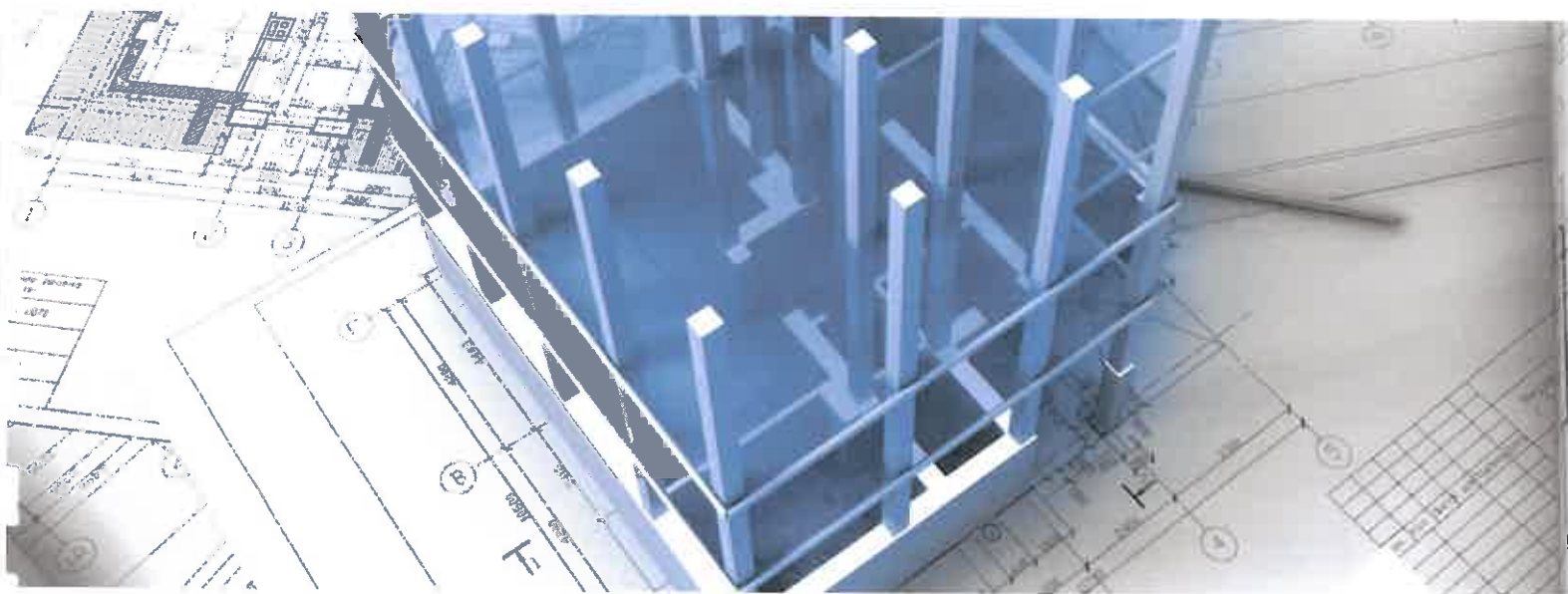
At Thrasher, we inspect and manage a wide variety of projects designed by our firm in addition to projects for contractors and other designers. We have certified project representatives responsible for overseeing every element of design integrity. Our methods have earned the respect of not only our clients,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

Construction Inspection Services:

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

Quality Control and Assurance Methods:

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



BUILDING INFORMATION MODELING

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

Why Thrasher Utilizes BIM:

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



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 what type of vision they have for their 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 you can be proud of.

Whether you prefer bright and bold or more traditional type 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



ENVIRONMENTAL SERVICES

In today's ever-changing regulatory landscape, compliance with federal and state environmental laws is critical to the success of projects. Compliance can often seem at odds with the project vision and financial constraints. The Thrasher team partners as a technical and regulatory advocate to overcome obstacles and guide our clients through complicated policies to achieve their goals. From initial investigations to final design, our environmental experts are there to assist in all facets of our clients' projects. Our team has developed relationships with academic consultants from multiple universities that are here to aid in specialized assessments.

Environmental Services:

- > All Appropriate Inquiry (AAI)
- > Environmental Site Assessments
- > NEPA Compliance for Publicly Funded Projects
- > Ecological Studies
- > Brownfield Redevelopment
- > Industrial Hygiene and Demolition Planning
- > Underground Storage Tank (UST) Consulting Services
- > Wetland Delineation, Design, and Mitigation
- > Remediation Investigation, Feasibility Studies and Design
- > Hydrogeologic and Geologic Investigations
- > Groundwater Monitoring
- > Sampling and Laboratory Analysis
- > Solid and Hazardous Waste Management
- > SPCC, GPP, SWPPP, GWPP, SWPPP Environmental Compliance
- > Stream Assessments, Design, and Mitigation
- > Erosion and Sediment Control Plans
- > Voluntary Remediation Program
- > Uniform Environmental
- > Covenants Act
- > CERCLA Preliminary Assessment
- > CERCLA Site Investigation



REMOTE SENSING

Thrasher is fully licensed with the Federal Aviation Authority to fly unmanned aerial systems, or as UAS. In addition to our full survey and GIS departments, we now offer our clients the most cutting edge aerial imagery for mapping, monitoring and site updates. The use of remote sensing technology has allowed us to deliver the most accurate and up-to-date project information to our clients.

UAS can accomplish tasks in less time and with fewer safety hazards than traditional ground-based methods. Thrasher utilizes both fixed-wing and multi-rotor Unmanned Aerial Systems to meet the needs of a diverse range of projects. At Thrasher, we work with our clients to ensure that their vision is met.

Remote Sensing Services:

- > Mapping
- > Videography
- > Pre and Post Construction Documentation
- > Construction Progress Analysis
- > Building Inspection
- > Mixed Reality Imagery
- > LIDAR
- > Thermal Imagry

Remote Sensing Markets:

- > Municipal
- > Energy
- > Telecommunications
- > Real Estate
- > Transportation
- > Emergency Services
- > Environmental
- > Architecture



**Federal Aviation
Administration**

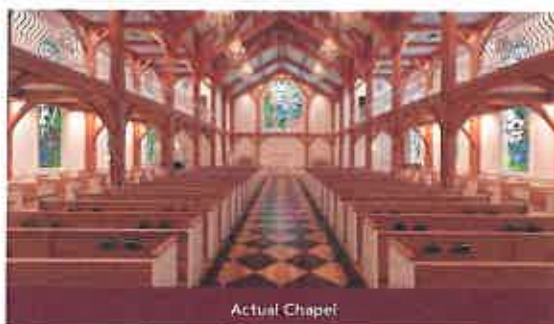
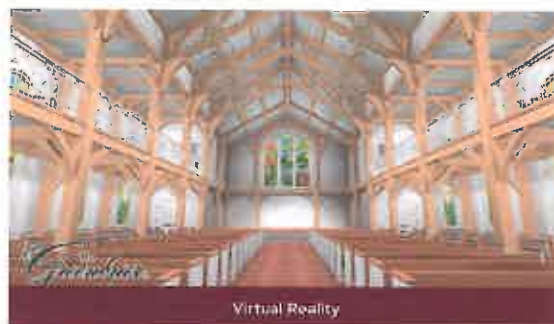
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VIRTUAL REALITY

Thrasher combines cutting edge computer technology with the expertise of architects and designers to develop realistic 3D models of proposed projects. Based on the 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.