

THRASHER

ARCHITECTURE | ENGINEERING | FIELD SERVICES



BUILDING 23 EVALUATION

CE01 0211 GSD1900000002

Submitted by:
The Thrasher Group, Inc.
December 4, 2018

RECEIVED

2018 DEC -4 AM 9:21

WV PURCHASING
DIVISION

December 4, 2018

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

RE: Architectural / Engineering Services for Building 23 Renovations

Dear Ms. Pettrey and members of the selection committee:

The Thrasher Group appreciates the opportunity to submit our qualifications to the Building Twenty-Three Renovations Project. As demonstrated through our qualifications in this submission, we are confident that we are the right firm for your job.

Outdated buildings, unfortunately, do not reflect the positive image that we, as proud citizens of the State, hope to portray. We recognize that in this age of advanced technology and speed-of-light communications, outdated buildings and systems can be costly to operate and increase the challenges tenants face as they endeavor to accomplish their tasks.

We have a team that can provide a wide range of professional services for your project, and adequate staff to commence immediately. We are prepared to provide timely responses, make frequent site visits and be available for meetings as required to fit the needs of all design committee members.

We look forward to the opportunity to discuss our qualifications, relevant experience and approach to your project.

Sincerely,
THE THRASHER GROUP, INC.



Craig Baker, CEFP
Architecture Division Manager

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



9

OFFICES

in six states:

West Virginia
Virginia
Pennsylvania
Ohio
Maryland
Kentucky



580

EMPLOYEES

34 Licensed
Professional Engineers

20 Licensed
Professional Surveyors

6 Licensed
Professional Architects



35

YEARS

of delivering
successful
projects

Main Point of Contact

Joe Sinclair, AIA
Project Manager/Architect
jsinclair@thethrashergroup.com
Cell: 304-518-9304
Office: 304-343-7601

We're a team of engineering, planning, architecture, and survey consultants with the experience, integrity, and versatility to get the job done. We plan, design, contract, and manage your project... overseeing everything, or helping with a portion... all while keeping your end goals in mind.



**Allegheny
Design Services**
Consulting Engineers

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.

MEP Services

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

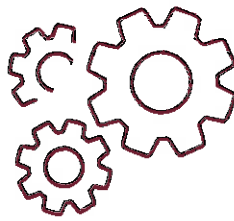
ADS works closely with architects and contractors to provide the engineering support that turn their vision into reality.

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.

Structural Services

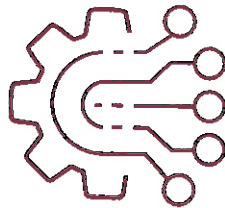
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SERVICES

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



CORE MARKETS

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



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



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 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



REMOTE SENSING

Thrasher is fully licensed with the Federal Aviation Authority to fly unmanned aerial systems, or UAS. In addition to our full survey and GIS departments, we 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:

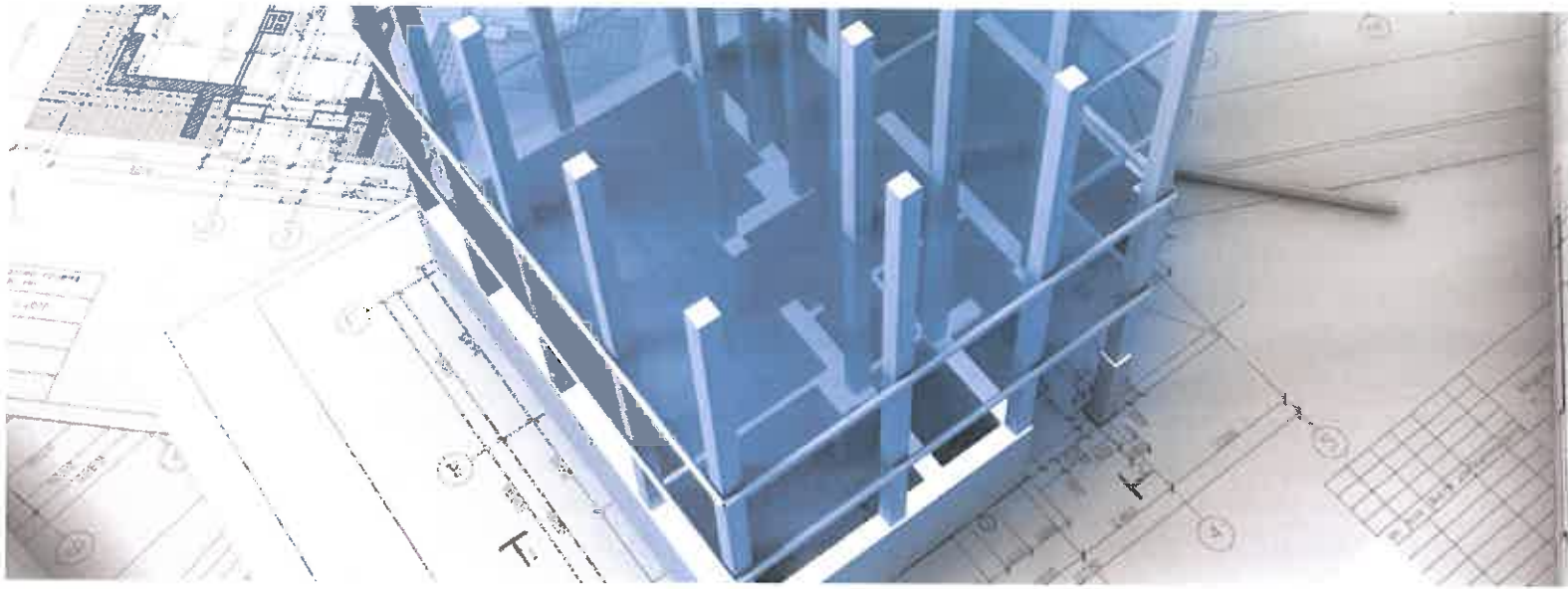
- > Municipal
- > Energy
- > Telecommunications
- > Real Estate
- > Transportation
- > Emergency Services
- > Environmental
- > Architecture



**Federal Aviation
Administration**

Approved Section 333





BUILDING INFORMATION MODELING

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

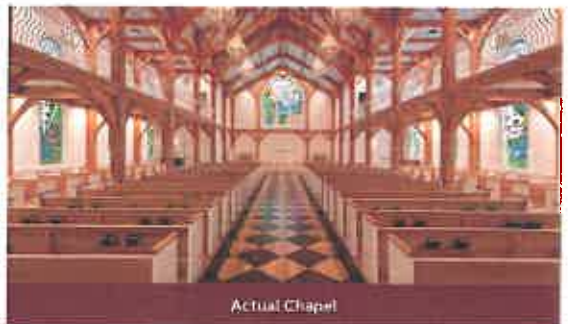
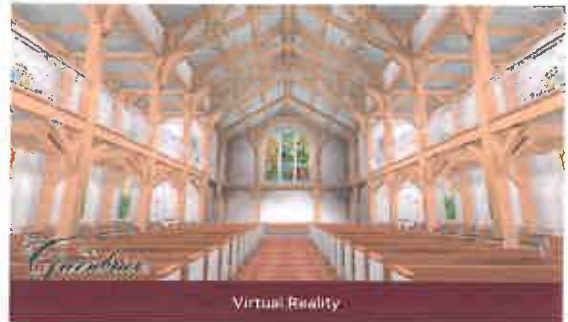
Why Thrasher Utilizes BIM:

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



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 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.

PROFESSIONAL OFFICES

Our team has many years of experience 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 six 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 construction practices in every project, whether it is for LEED credits, Green Globe certification, or for the sake of doing the right thing.

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.

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 'constructibility' 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.

Thrasher's approach to the Building 23 Renovations is as follows:

EVALUATION & ASSESSMENT

Identification of Project Goals:

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

Survey and Document Existing Property Conditions:

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

Initial Environmental Assessment:

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

Stormwater Management Assessment:

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

Electrical, Mechanical and Plumbing Systems Assessment:

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

Structural Assessment

Life Safety Assessment

- > Fire Protection
- > Egress

Architectural Assessment

- > Building Envelope
- > Finish Upgrades

REPORT

Overall Plans and Report:

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

Programming:

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

DESIGN

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

Schematic Design Phase:

- > 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:

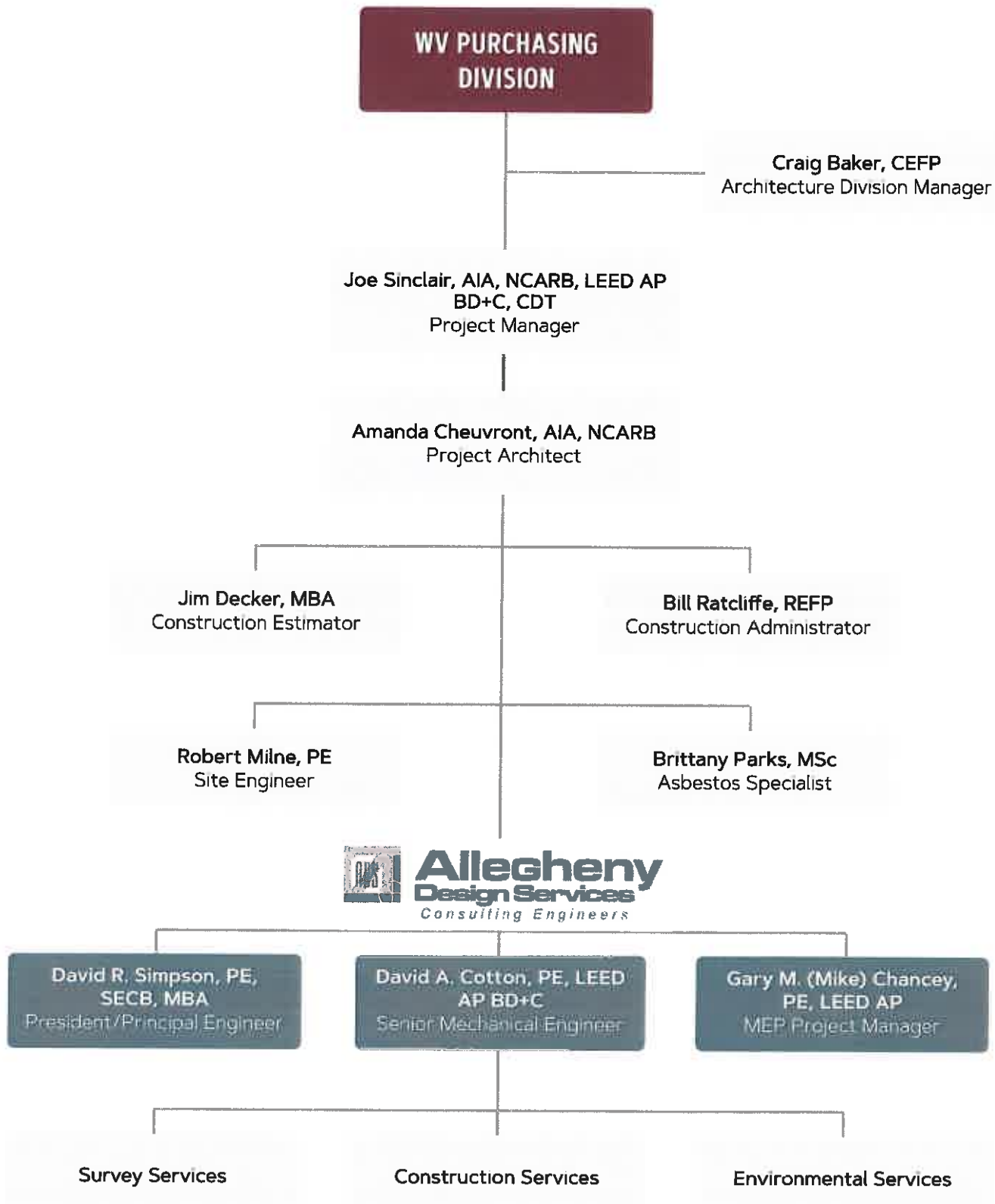
- > Prepare formal Advertisement for Bids
- > Provide Bid Documents
- > Conduct Bid Opening
- > Evaluate Bid results
- > Reviewing and verifying bidder qualifications

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



CRAIG BAKER, CEFP

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
- > Certified Educational Facilities Planner (CEFP)
- > Council of Educational Facilities Planner
- > West Virginia Energy Services Coalition

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

Barbour County Career Center

Renovations and Annex

Role: Division Manager

- > Barbour County, WV

Calhoun-Gilmer County Career Center Renovations Project

Role: Division Manager

- > Calhoun County, WV

West Virginia University Institute of Technology Interior Renovations to the Student Recreation Center

Role: Division Manager

- > Fayette County, WV

Fairmont State University Hunt Haught Hall Renovations

Role: Division Manager

- > Marion County, WV

VA Building 7 Renovations

Role: Division Manager

- > Harrison County, WV

Doddridge County Commission Courthouse Renovations

Role: Principal

- > Doddridge County, WV

Harrison County Courthouse Interior and Exterior Renovations

Role: Division Manager

- > Harrison County, WV

Pendleton County Courthouse Remodeling and Facility Upgrades

Role: Division Manager

- > Pendleton County, WV

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

10

Project Manager



Joe brings more than 10 years of architectural experience in all phases of design ranging from commercial renovations, additions, and new construction to historic preservation and multi- and single-family residential projects. Joe's resume is built with architectural experience from Savannah, GA; Atlanta, GA; Charleston, WV; and North Central West Virginia. Joe joined the Thrasher team in 2017.

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

Education

Master of Architecture,
Savannah College of Art &
Design

Bachelor of Science,
Architectural Engineering
Fairmont State University

Registrations

Professional Architect:
> West Virginia

Affiliations

- > NCARB Certificate 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

Experience

Houston Coal Company Store Facility Assessment
Role: Project Manager
> McDowell County, WV

2nd Avenue Community Center Facility Assessment
Role: Project Architect
> Kanawha County, WV

Harrison County Commission Courthouse HVAC Replacement
Role: Project Manager
> Harrison County, WV

Design of the Beech Fork Lodge and Conference Center
Role: Project Architect
> Wayne County, WV

Cohen Building Facility Assessment
Role: Project Architect
> Taylor County, WV

G.C. Murphy Building Facility Assessment
Role: Project Architect
> Nicholas County, WV

Boy Scouts of America Dining Hall and Bunkhouse
Role: Project Architect
> Fayette County, WV

AMANDA CHEUVRONT, AIA, NCARB

Project Architect



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

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

Education

Master of Science,
Architecture
University of North Carolina at
Charlotte

Bachelor of Science,
Architectural Engineering
Fairmont State University

Registrations

Professional Architect:
> West Virginia

Affiliations

- > NCARB Certificate
- > Member – American Institute of Architects (AIA) – WV Chapter

Experience

Cabell County Career Technology Center and Spring Hill Elementary Renovations

Role: Project Manager/
Architect
> Cabell County, WV

Wayne High School Additions and Renovations

Role: Project Architect
> Wayne County, WV

Barboursville Middle School Additions and Renovations

Role: Project Architect
> Cabell County, WV

Midland Trail High School Additions and Renovations

Role: Project Architect
> Fayette County, WV

Oak Hill High School Additions and Renovations

Role: Project Manager/
Architect
> Fayette County, WV

St. Marys Elementary and Belmont Elementary Schools

Role: Project Manager/
Architect
> Pleasants County, WV

Ritchie County Middle/High School Renovations

Role: Project Manager/
Architect
> Ritchie County, WV

Southside Elementary School Additions and Renovations

Role: Project Manager/
Architect
> Wayne County, WV

Construction Estimator



Education

Master of Business
Administration,
Project Management Emphasis
Fairmont State University

Bachelor of Science,
Civil Engineering
Fairmont State University

Associates Degree,
Mechanical Engineering
Fairmont State University

Registrations

General Contractor
> West Virginia

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

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

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

Experience

**Fairmont State University
Engineering Building
Addition and Renovations**
Role: Construction Estimator
> Marion County, WV

**South Harrison High School
Field House Project**
Role: Construction Estimator
> Harrison County, WV

**Cheat Lake Elementary
School New Construction**
Role: Construction Estimator
> Monongalia County, WV

**Bridgeport Middle School
New Construction**
Role: Construction Estimator
> Harrison County, WV

**Fairmont State University
Feaster Center Addition and
Renovations**
Role: Construction Estimator
> Marion County, WV

**Fairmont State University
Library Addition and
Renovations**
Role: Construction Estimator
> Marion County, WV

**MVA Shinnston Clinic
Renovations**
Role: Construction Estimator
> Harrison County, WV

**Clarksburg Aquatic Center
Existing Pool Demolition and
Addition of New Water Park**
Role: Construction Estimator
> Harrison County, WV

**Romney Public Works
Building New Facility**
Role: Construction Estimator
> Hampshire County, WV

BILL RATCLIFFE, REFP

Construction Administrator



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

Jefferson County Convention and Visitor's Bureau

Additions and Renovations

Role: Construction Administrator

> Jefferson County, WV

Doddridge County Elementary

Safe School Entrance Addition

Role: Construction

Administrator

> Doddridge County, WV

Calhoun Gilmer Career and Technical Center Improvements Project

Role: Construction

Administrator

> Calhoun County, WV

WV Public Service Commission Façade Replacement

Role: Construction

Administrator

> Kanawha County, WV

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

Role: Construction

Administrator

> Greenbrier County, WV

Crichton Elementary School Additions, Renovations, and Safe School Entrance Project

Role: Construction

Administrator

> Greenbrier County, WV

Moorefield High School Addition and Renovations

Role: Construction

Administrator

> Hardy County, WV

Widmyer Elementary School Renovations

Role: Construction

Administrator

> Morgan County, WV

Mid-Ohio Valley Technical Institute Improvements

Role: Construction

Administrator

> Pleasants County, WV

ROBERT MILNE, PE

Site Engineer



Education

Master of Science,
Civil Engineering
West Virginia University

Bachelor of Science,
Civil Engineering
West Virginia University

Registrations

Professional Engineer:

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

Affiliations

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

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

Experience

Boy Scouts of America

Welcome Center Site Planning and Master Conceptual Design

Role: Project Manager
> Fayette County, WV

Fayette County 911 Center

Role: Project Manager
> Fayette County, WV

Morgantown Event Center and Garage

Role: Project Manager
> Monongalia County, WV

Seneca Village Pison Site Development

Role: Project Manager
> Monongalia County, WV

City of Beckley New Police Station

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

West Virginia University Architectural and Engineering Open-End

Role: Project Manager
> Monongalia County, WV

Rockwool Manufacturing Facility

Role: Project Manager
> Jefferson County, WV

America's Best Block Industrial Park

Role: Project Manager
> Mineral County, WV

West Virginia University Milan Puskar Stadium Renovations

Role: Project Manager
> Monongalia County, WV

Marion County Economic Development Authority Palatine Park Development

Role: Principal
> Marion County, WV

Asbestos Specialist



Education

Master of Science,
Agronomy
West Virginia University

Bachelor of Science,
Environmental Protection and
Horticulture
West Virginia University

Registrations

Licensed Asbestos Building
Inspector

- > West Virginia
- > Ohio

Licensed Asbestos Management
Planner

- > West Virginia
- > Ohio

Affiliations

- > Soil Science Society of
America
- > Crop Science Society of
America
- > Agronomy Society of
America

Brittany Parks, MSc brings over three years of professional environmental experience to her role as an Environmental Scientist with Thrasher. Previously, Brittany worked for a Washington, D.C. based firm on a large settlement project in north-central West Virginia.

Her experience includes evaluating permits and compliance issues, performing soil and air sampling, and QA/QC efforts for various topsoil and interior remediation projects. Since coming to Thrasher, Ms. Parks has been heavily involved with remediation projects and is actively working toward obtaining her L.R.S. certification. Brittany has also worked diligently on various Phase I Reports, anti-degradation reports, and several SWPPPs.

Experience

Phase I Reports

Role: Environmental Scientist
> West Virginia

Anti-Degradation Report for Maryland Department of the Environment

Role: Environmental Scientist
> Maryland

VRP Projects

Role: Environmental Scientist
> West Virginia

Remediation Projects

Role: Environmental Scientist
> Harrison County, WV

Permitting

Role: Environmental Scientist
> Various Counties, WV

Upshur County Innovation and Knowledge Center

Role: Environmental Scientist
> Upshur County, WV

Staff Names	Licensed Architects	Educational Facility Planning	Construction Administrator	Certified Building Commissioner Professional	LEED AP Professionals	Experience With BIM Design and Construction	National Council of Architects Reg Boards
Craig Baker, Division Manager		✓ CEFP				✓	
Kenton Blackwood, Project Manager					✓	✓	
Matt Breakey, Project Architect	✓				✓	✓	✓
Amanda Chevront, Project Architect	✓						✓
Jim Decker, Construction Estimator			✓				
Phillip Freeman, Project Architect	✓						✓
Dan Garvin, Green Design Specialist					✓	✓	
Lee Gustafson, Project Architect	✓						✓
Ashley Lyons, Intern Architect						✓	
Josh Lyons, Project Architect	✓				✓	✓	✓
Mark Nickell, Project Designer							✓
Lori Providenti, Architectural Admin		✓	✓				
Stacie Shevchuck, Interior Designer						✓	
Joe Sinclair, Project Architect	✓				✓	✓	✓
CJ Smith, Green Design Specialist				✓	✓	✓	
Bill Ratcliffe, Contract Administrator		✓ REFP	✓				





West Virginia University Institute of Technology Campus-wide Building Evaluations

Client Contact:

KVC Health Systems

Mr. Tommy Bailey,

Executive VP for Strategic Initiatives

300 Kenton Dr | Charleston, West Virginia 25311

304-542-4698

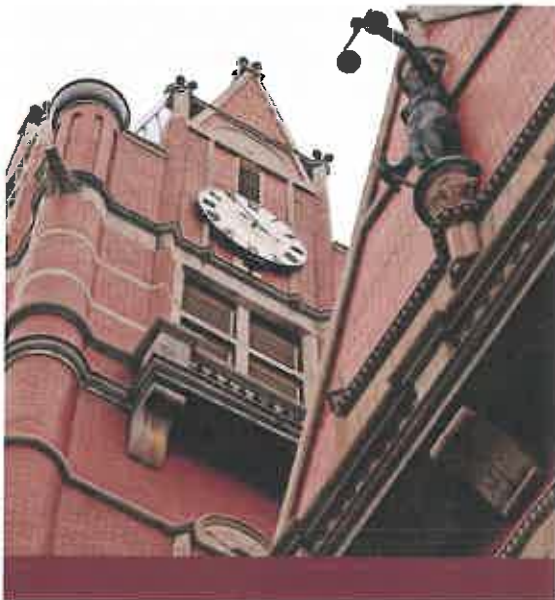


Thrasher was hired by KVC Health Systems to complete building evaluations for every facility on the WVU Tech campus. These evaluations specifically included special attention to Safety, ADA compliance, HVAC systems, structural, and deferred maintenance inspection for each building on campus.

Our team completed detailed reports noting a prioritized list of which projects to complete first and the estimated cost for each.



We created conceptual designs for a few of the buildings on campus so they were able to visualize their facility renovations before they made final decisions.



Doddridge County Commission Courthouse Renovations and Historic Rehabilitation

Client Contact:

Mr. Gregory Robinson, Commissioner

108 East Court Street, Suite 1 | West Union, WV 26456

304-873-2631

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

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

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

**Sugar Grove Naval Base
Facilities Assessment Report**

Client Contact:
KVC Health Systems
Mr. Tommy Bailey,
Executive VP for Strategic Initiatives
300 Kenton Dr | Charleston, West Virginia 25311
304-542-4698

The Thrasher Group was retained by Trident Resource Solutions to provide a facility report on the Navy Information Operations Command, Sugar Grove Facility. Thrasher conducted a full site evaluation in March of 2014.

The property consists of approximately 117.5 acres of relatively flat land, on one side bordered by the South Fork of the South Branch River, and the other side bordered by WV State Route 21. The site assessment included a review of the existing roads, parking lots, pedestrian routes, recreational facilities, and storm water management. The campus consists of approximately 11,300 feet of roadways with two entrances off of West Virginia State Route 21. Currently only one entrance is utilized; however, the second entrance appears to be operational if necessary.

The pedestrian routes include an extensive sidewalk system allowing access to most facilities. The assessment was completed by walking the campus and noting the condition of the facilities. Any area anticipated to need repairs within the next five years was identified along with a cost estimate to complete the improvements.

**BUILDING 19
OFFICE / STORAGE BUILDING**



A: BUILDING DESCRIPTION
Year Constructed: 1990
Square Footage: 960

The structure for this building is a pre-engineered metal building. The foundation is slab on grade with diaphragm perimeter. Exterior finish is metal building wall panel. Exterior partitions are studs with painted drywall. Floor coverings consist of vinyl tile and carpet. The roof is standing seam metal.

This facility is ADA accessible.
There are no persons within this facility.
There were no hazardous concerns observed during the site visit.

Plumbing
The building has no plumbing.

HVAC
The HVAC System is a multiple window air conditioning units with heat pump and baseboard hydronic heaters served from building 20.

Electrical
The electrical entrance is 2p/200a 240v with a separate meter. The lights are 8 fluorescent fixtures. There is no fire alarm system. Existing data wiring consists of Cat 5 cables. Suitability for reuse of data wiring is indeterminate without knowledge of the system to be utilized by the future occupant.

B: FIVE YEAR COST IMPACT
If future use is similar to that at present, fixtures will require an upgrade.

1. Demo & Build-out	\$45,000.00
Total Cost Impact:	\$45,000.00

C: EDUCATIONAL FACILITY COST IMPACT
Educational facility cost impact will be established as programmatic needs are confirmed during curriculum development.

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Fairmont State University Hunt Haught Hall Renovations

Client Contact:
Mr. Tom Tucker, Facilities Manager
1201 Locust Avenue | Fairmont, WV 26554
304-367-4861

Thrasher was hired to provide all architectural services which included planning, design, and construction administration for the renovation of Hunt Haught Hall at Pierpont Technical College/Fairmont State University. Renovations included replacement and repair of the glass curtain wall in the stair tower and numerous HVAC upgrades. Due to the fact the structure is over 30 years old and has endured abundant wear, the steel structure within the glass curtain wall had deteriorated from years of leaky windows and needed extensive work. The existing glass needed complete replacement to be compliant with energy efficiency guidelines set forth by FSU. The HVAC upgrades included the removal and replacement of existing roof top hot water boilers to comply with the energy standards.

The architectural team at Thrasher had to be mindful of several challenges while working on Hunt Haught Hall. The most important challenge was to avoid disrupting the everyday use of the facility. The team had to be fully aware of ingress and egress, safety concerns, as well as noise disruption during classes. Specific guidelines were developed and included into the bidding documents to allow a clear understanding of the expectations before bidding.



It was very important to FSU to keep the aesthetics of the building intact and not to change its looks too drastically. As seen below, Thrasher was able to make the upgrades without sacrificing the buildings original feel.

Hutchinson House

Client Contact:

Ms. 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 Craftsmanship 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:

Mr. 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.

Harrison County Courthouse Renovations

Client Contact:

Mr. Bernie Fazzini, Commissioner
301 West Main Street | Clarksburg, WV 26301
304-624-8500

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

Thrasher worked with the County Commission on this project through a Courthouse Facilities Improvement Grant. Our team provided a phasing plan to the County Commission on how much they could afford each calendar year. Phase 1 of the job consisted of as built plans for the 2nd floor and sprinkler design.

The work also included a new standpipe, back-flow preventer and all sprinkler lines and heads needed to cover 2nd floor area per design. Demo and patching was also required to bring the new system into the old facility.



Junior Elementary School Addition/Renovations

Client Contact:

Mr. Jeffrey Woofter, Superintendent
45 School Street | Philippi, WV 26416
304-457-3030

In 2011, Thrasher's addition and renovations to Junior Elementary School were completed and funded through the School Building Authority of West Virginia. The addition included insulated aluminum storefront doors and windows, casework and counter tops, plumbing, light fixtures, and EPDM roofing with sloping insulation.

Renovations and improvements to the existing structure included floor finishes, replaced the ballasted roof with fully adhered EPDM roof and rigid insulation along with new metal gravel stops. Fire protection sprinkler system was installed. The existing HVAC RTU's, exhausts and mechanical ductwork was also completely replaced.





Kasson Elementary & Middle School Renovations

Client Contact:

Mr. Jeffrey Woofert, Superintendent
45 School Street | Philippi, WV 26416
304-457-3030

Thrasher provided architectural services for the corrective repairs and renovations at Kasson Elementary, including a new Safe School Entrance. The project was funded through the School Building Authority.

The \$2.5 million dollar project included removal and replacement of interior ceilings, doors/frames, walls and floors and associated finishes and accessories as required for pyritic remediation/ stabilization work, as well as electrical and plumbing work, exterior re-caulking of all existing windows, and the creation of weep-holes in the brick veneer. The exterior work included re-grading and paving the parking areas, sidewalk replacement, and a storm-water collection system. Other work included removal of existing ballasted roof and replacement of the EPDM system, and replacement of the existing roof mounted HVAC units

Taylor County Courthouse Renovations

Client Contact:
Mr. Rusty Efaw, President
214 West Main Street | Grafton, WV 26354
304-265-1401

The Thrasher Architecture team has completed several upgrades and enhancements to the Taylor County Courthouse over the past two years.

Thrasher has completed a complete electrical upgrade to the existing courthouse that included service, switches, outlets and lighting. Thrasher was successful in helping Taylor County obtain numerous grants to upgrade the facility.

Another project Thrasher recently completed at the Courthouse was asbestos abatement which included the removal of plaster and wire lathe ceiling, floor tile with mastic adhesive, chimney, ceiling tiles, and several hard fittings.



In 2010, the Taylor County Commission hired Thrasher to do a complete facility window replacement on the existing historic courthouse. This project required Thrasher to abide by rigorous historic preservation specifications through the Department of Interiors.

Thrasher replaced all of the windows in the courthouse while maintaining aesthetic continuity with the existing structure. Interior energy panels were added to the new windows to bring them up to code without detracting from the building's historic nature.

Pendleton County Courthouse Renovations

Client Contact:
Pendleton County Commission
100 South Main Street | Franklin, WV 26807
304-358-2505

This project consisted of remodeling and upgrading the existing courthouse facilities to bring it up to current standards. The renovation included a new circuit courtroom, judge's chambers, offices for support staff, prisoner transfer security area, and new Magistrate Court facilities.

Included in the project was a complete renovation of the second floor to comply with fire code, a new elevator and ramps for ADA compliance and new accessible restrooms.

The largest portion of this project were the upgrades that effected the entire facility such as: brand new HVAC system, electrical upgrades throughout, new plumbing fixtures, sprinkler system work, and a building wide alarm system. The Pendleton County Courthouse is on the National Register of Historic Places in West Virginia so extreme care had to be taken with all renovations to preserve historic elements.





Doddridge County Schools

Mr. Adam Cheeseman, Superintendent
1117 WV Route 18 N
West Union, WV 26456
304-873-2300

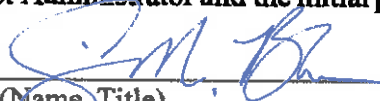
Harrison County Commission

Mr. Bernie Fazzini, Commissioner
301 West Main Street
Clarksburg, WV 26301
304-624-8500

Barbour County Schools

Mr. Jeffrey Woofter, Superintendent
45 School Street
Philippi, WV 26416
304-457-3030

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.

 Architecture Division Manager

(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)
 Craig Baker, Architecture Division Manager

(Authorized Signature) (Representative Name, Title)
Craig Baker, Architecture Division Manager

(Printed Name and Title of Authorized Representative)
December 4, 2018

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

(Phone Number) (Fax Number)

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: Melodie Zuber Date: 11/30/18

State of WV

County of Harrison, to-wit:

Taken, subscribed, and sworn to before me this 30 day of November, 2018

My Commission expires May 30, 2021



NOTARY PUBLIC JHE [Signature]

Purchasing Affidavit (Revised 01/19/2018)

**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 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

December 4, 2018

Date

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