



Statement of Qualifications for  
Architectural and Engineering Services

West Virginia  
Army National Guard  
Division of Engineering and  
Facilities  
Armory Board Section

DEFK 9018

St. Albans, West Virginia  
Armory  
Addition and Renovations

March 31, 2009

**THRASHER**  
**ENGINEERING**

CIVIL • ENVIRONMENTAL • CONSULTING  
FIELD SERVICES • ARCHITECTURE

30 Columbia Boulevard  
Clarksburg, West Virginia 26301  
304-624-4108  
304-624-7831-Fax  
thrasher@thrashereng.com  
www.thrashereng.com

Clarksburg, WV □ Charleston, WV □ Martinsburg, WV □ Princeton, WV



30 Columbia Boulevard  
P.O. Box 1532  
Clarksburg, WV 26301

(304) 624•4108  
Fax: 624•7831  
thrasher@thrashereng.com  
www.thrashereng.com

March 26, 2009

Department of Administration  
Purchasing Division  
2019 Washington Street, East  
P.O. Box 50130  
Charleston, WV 25305-0130

**RE: RFQ # DEFK9018**  
***Architectural and Engineering Services for the West Virginia Army National Guard St. Albans, West Virginia Armory Addition and Renovations***

Dear Members of the Selection Committee:

Thrasher Engineering, Inc. greatly appreciated our recent opportunity to present our qualifications in person when we were interviewed to provide architectural and engineering services for your Readiness Facility project. Although we were not selected for that particular project, we believe our architectural and engineering expertise and dedication to quality service will be beneficial to the West Virginia Army National Guard's improvement and expansion projects.

Our qualifications meet and exceed the criteria for selection of the architectural / engineering firm for the St. Albans Armory project. In summary, we offer the following reasons why Thrasher Engineering, Inc. is the right firm for this project:

- ❑ ***Depth and Variety of Staff Disciplines:*** Thrasher Engineering provides a work force of over 170 employees, with disciplines including engineering, architecture, survey, construction management and materials testing. Only Mechanical –Electrical – Plumbing engineering and geo-technical services are sub-contracted for our site development and architectural projects.
- ❑ ***Experience in the Design and Construction of Building Renovations and Additions:*** Thrasher Engineering, Inc. added architecture design to our scope of services in 2005. Since that time, our architectural team has developed a roster of repeat clients and project experience in office buildings of various sizes for private and commercial clients.
- ❑ ***Accurate Project Estimating:*** Our approach to architecture is different from that of most architecture firms: we take an engineering approach to your project. Our designs are aesthetically pleasing, but we focus on maintainability and functionality and most importantly we focus on design that meets the budgetary requirements of our clients. Our track record of accurately estimating construction costs is one of the strongest reasons we have repeat customers and long-term relationships with our clients. Through good design and careful estimating, we save our clients time and money. This benefit is specifically important when utilizing grant funding in order to avoid project overruns.

- Priority:** The architectural division of Thrasher Engineering, Inc. is a young and growing firm. Our current work load will allow us to place your project as a priority and meet the deadlines required.

We are aware of, and comply with Title VI of the Civil Rights Act of 1954, Executive Order 11246, Section 109 of the Housing and Urban Development Act of 1968, Conflict of Interest Statement and Access to Records provisions and all other requirements as they relate to federal and state funded projects

Per your request, enclosed please find two three ring binders containing our proposal along with a PDF file on compact disc.

We look forward to the opportunity of meeting with representatives of the West Virginia Army National Guard to discuss your needs and how Thrasher Engineering can provide the services necessary.

Sincerely,

THRASHER ENGINEERING, INC.



CHAD M. RILEY, P.E.  
Principal-In-Charge





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

# Request for Quotation

RFO NUMBER  
**DEFK9018**

PAGE  
**1**

ADDRESS CORRESPONDENCE TO ATTENTION OF  
**JOHN ABBOTT**  
**304-558-2544**

**RFQ COPY**  
**TYPE NAME/ADDRESS HERE**

Thrasher Engineering, Inc.  
 30 Columbia Blvd.  
 P. O. Box 1532  
 Clarksburg, WV 26302-1532

**DIV ENGINEERING & FACILITIES**  
**ARMORY BOARD SECTION**

**1707 COONSKIN DRIVE**  
**CHARLESTON, WV**  
**25311-1099 341-6368**

DATE PRINTED <b>03/12/2009</b>	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
-----------------------------------	---------------	----------	-----	---------------

BID OPENING DATE: **03/31/2009** **BID OPENING TIME 01:30PM**

LINE	QUANTITY	LOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
1001	1	LS		906-00-00-001		
<b>ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL</b>  <b>CONTRACT TO PROVIDE ARCHITECT &amp; ENGINEERING SERVICES FOR THE WEST VIRGINIA ARMY NATIONAL GUARD, ST. ALBANS, WV LOCATION, PER THE ATTACHED DOCUMENTATION.</b>  <b>NOTICE</b> <b>A SIGNED BID MUST BE SUBMITTED TO:</b>  <b>DEPARTMENT OF ADMINISTRATION</b> <b>PURCHASING DIVISION</b> <b>BUILDING 15</b> <b>2019 WASHINGTON STREET, EAST</b> <b>CHARLESTON, WV 25305-0130</b>  <b>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</b>  <b>SEALED BID</b>  <b>BUYER: JOHN ABBOTT</b>  <b>RFQ. NO.: DEFK9018</b>						

SIGNATURE			SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
TELEPHONE <b>304-624-4108</b>		DATE <b>3-26-09</b>			
FAX <b>55-06335966</b>			ADDRESS CHANGES TO BE NOTED ABOVE		

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'



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

### Request for Quotation

RFQ NUMBER:
DEFK9018

PAGE:
2

ADDRESS CORRESPONDENCE TO ATTENTION OF:
JOHN ABBOTT 304-558-2544

**RFQ COPY**  
 TYPE NAME/ADDRESS HERE

Thrasher Engineering, Inc.  
 P. O. Box 1532  
 Clarksburg, WV 26302-1532

**DIV ENGINEERING & FACILITIES**  
**ARMORY BOARD SECTION**

1707 COONSKIN DRIVE  
 CHARLESTON, WV  
 25311-1099 341-6368

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
03/12/2009				
BID OPENING DATE: 03/31/2009		BID OPENING TIME 01:30PM		

LINE	QUANTITY	UOP	CAT NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
				BID OPENING DATE:		03/31/2009-----
				BID OPENING TIME:		1:30 PM-----
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:						
----- 304-624-7881 -----						
CONTACT PERSON (PLEASE PRINT CLEARLY):						
----- Craig Baker -----						
***** THIS IS THE END OF RFQ DEFK9018 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE	TELEPHONE	DATE	
<i>[Signature]</i>	304-624-4108	3-26-09	
TITLE	FEIN	ADDRESS CHANGES TO BE NOTED ABOVE	
Principal-in-Charge	55-06335966		

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

STATE OF WEST VIRGINIA  
Purchasing Division

**PURCHASING AFFIDAVIT**

**VENDOR OWING A DEBT TO THE STATE:**

*West Virginia Code* §5A-3-10a provides that: 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 the debt owed is an amount greater than one thousand dollars in the aggregate.

**PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:**

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code*. The vendor must make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code* and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the *West Virginia Code* may take place before their work on the public improvement is begun.

**ANTITRUST:**

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

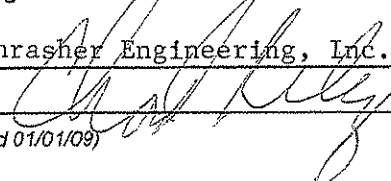
**LICENSING:**

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

**CONFIDENTIALITY:**

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.

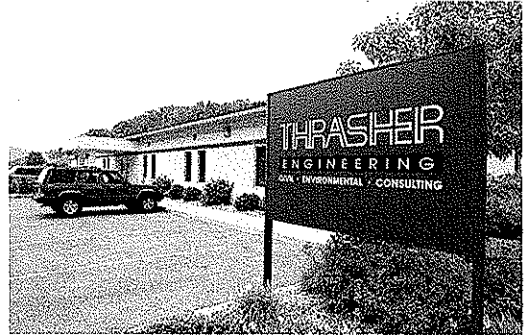
Under penalty of law for false swearing (*West Virginia Code* §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

Vendor's Name: Thrasher Engineering, Inc.  
Authorized Signature:  Date: March 26, 2009

## Statement of Qualifications

Thrasher Engineering, Inc. provides the West Virginia Army National Guard the advantage of providing the full scope of services for the St. Albans Armory additions and renovation under single corporate management.

Founded in 1983, Thrasher Engineering, a West Virginia owned and operated full-service company, has provided engineering design and construction services for infrastructure throughout the State of West Virginia.



Throughout our 26-year history, Thrasher Engineering provided site development planning and engineering design services for many successful building projects, working with numerous architectural firms and contractors. Based on that success, in 2004, we added architectural design to the scope of services we provide in-house.

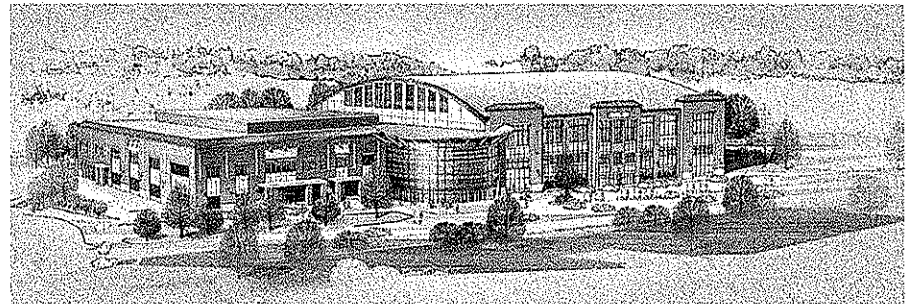
## Architectural / Engineering Qualifications

Exceptional customer service, versatility, quality and experience are the benefits realized by the selection of Thrasher Engineering for the Kenova Armory project.

Our architects bring over 30 years of experience to the

project; a balance of aesthetics, functional design and maintainability is the base of their design.

The civil engineering team, working with the architects, offers the structural, utilities, and landscape architecture segments. These abilities have been demonstrated in projects shown as examples in this proposal, including the Rahall Center at the Woodlands in Beckley, West Virginia, the Shenandoah Office Park in Martinsburg and the newest facility of the High Technology Consortium in Fairmont, West Virginia.



*Conceptual plan for Sports / Education Facility for Glenville State College*

In addition to our ability to provide the necessary services for architecture, civil engineering and field services under single corporate management, Thrasher Engineering, Inc.'s selection brings the following benefits to the West Virginia Army National Guard project:

- We offer experience with Army National Guard projects. Our lead architect has provided structure inspection and repairs, along with fire code and ADA improvements at twelve (12) armory facilities in West Virginia, including the current Marion County facility in Fairmont.

- ❑ We offer an approach to architectural projects different from that of other firms. Our engineering emphasis on the details of construction bidding documents for our design, in addition to the design itself, results in ***more accurate bids and fewer change orders - bringing cost savings to our clients.***
- ❑ We offer a solid track record of architectural site development engineering for large, complex state and federally funded projects, requiring integrated communication among design and construction teams. As an example, ***Thrasher Engineering, Inc. has provided all of the site development and infrastructure engineering services for both the completed Glenville Federal Prison and the McDowell County Federal Prison currently under construction.***
- ❑ We offer extensive experience in site development and building design for many of the State of West Virginia's industrial and business parks. The majority of our work in this area is for ***repeat clientele.***
- ❑ We offer ***a teamwork process.*** Whether we are serving as the civil engineer for architecture within our own company, as a sub-contractor to other architectural firms or, in a design-build team, we communicate with the project owner to provide design and construction services ***on-time and within budget.***

Thrasher Engineering has provided feasibility studies, design, bidding and construction phase services for ***over \$500 Million*** in construction for infrastructure and building projects ***within the State of West Virginia.***

Simply stated, there is no other West Virginia civil engineering firm that can surpass Thrasher Engineering in the quality of service and technical ability necessary to meet the needs of the West Virginia Army National Guard in their plans for this renovation.

### ***Mechanical-Electrical-Plumbing Design***

The only engineering service that Thrasher Engineering, Inc. sub-contracts for our building projects is for Mechanical, Electrical and Plumbing design. However, we consider these designers as a part of our team and represent them under our ***single contact management method.*** For your project, we will utilize the services of ***Harper Engineering.***

Harper Engineering is an innovative new engineering firm serving architects, owners, and contractors throughout the state. They offer full service commercial and industrial engineering with over 60 years of combined experience striving to offer the best service at the most competitive rates.

M-E-P services that Harper Engineering will provide for the project include design of HVAC, electrical, lighting, fire alarm, security and communications, plumbing and fire suppression.



## *Performance Data*

Thrasher Engineering, Inc.'s team offers project experience performance data covering the full spectrum of architectural / engineering services necessary for the design and construction of your office building. Included as relevant examples for your review are projects for the West Virginia National Guard, projects of the planned size of the office building and projects encompassing the combined site development and architecture.

---

---

### **WEST VIRGINIA NATIONAL GUARD ARMORY PROJECTS**

#### ***Fairmont, Marion County "Woody Williams" Armory***

- Structural Inspection – 34,370.00 SF
- ADA Compliance
- Fire Code Compliance
- Distance Learning Renovations
- Project Cost \$42,440.00

#### ***Clarksburg, Harrison County "Nathan Goff" Armory***

- Structural Inspection – 22,000 SF
- ADA Compliance
- Fire Code Compliance
- Project Cost \$174,450.00

#### ***Brush Fork, Mercer County Armory***

- Structural Inspection and Repairs
- Project Cost \$99,753.00

#### ***Welch, McDowell County Armory -28,562 SF***

- ADA and Fire Code Improvements
- Project Cost \$58,000.00

#### ***Moundsville, Marshall County Armory -23,562 SF***

- ADA and Fire Code Improvements
- New Lighting
- Project Cost \$47,323.00

#### ***Gassaway, Braxton County Armory***

- ADA and Fire Code Improvements
- Project Cost \$46,500.00

- |  |   |
|--|---|
| <b>❖ <i>Beckley, Raleigh County</i></b>    | Structural Inspection – No Repairs Required |
| <b>❖ <i>Buckhannon, Upshur County</i></b>  | Lighting Evaluation – No Repairs Required   |
| <b>❖ <i>Charleston, Kanawha County</i></b> | Structural Inspection – No Repairs Required |
| <b>❖ <i>Hinton, Summers County</i></b>     | Structural Inspection – No Repairs Required |
| <b>❖ <i>Salem, Harrison County</i></b>     | Structural Inspection – No Repairs Required |
| <b>❖ <i>Weston, Lewis County</i></b>       | Structural Inspection and Repairs           |

The team members from Harper Engineering bring the following experience with the West Virginia National Guard, which includes over \$80,000,000 in construction costs.

The projects they have worked on include

- ❑ **Lewisburg Readiness Center**
- ❑ **Summersville Readiness Center**
- ❑ **Eleanor Readiness Center/ Maintenance Facility**

### *Masonry Steel Frame Buildings- Additions and New Construction*

#### **CLARKSBURG BAPTIST CHURCH -CLARKSBURG, WEST VIRGINIA**

**A. DESCRIPTION AND LOCATION:** 9,400 Square Foot Addition to Clarksburg Baptist Church

**B. STARTING DATE:** 2004  
**COMPLETION DATE:** 2006

**C. ORIGINAL COST ESTIMATE:** \$ 1,672,000  
**FINAL COST OF PROJECT:** \$ 1,700,000.

**D. CONTACT:** Clarksburg Baptist Church  
Charles Long  
Building Committee President  
304-623-1613

**E. LEAD FIRM:** Thrasher Engineering, Inc.

**F. OTHER FIRMS:** CMA – MEP Sub-consultant

**G. LEAD ENGINEER:** Chad M. Riley, P.E.  
**LEAD ARCHITECTS:** Craig Baker, Assoc. AIA  
Lee Gustafson, AIA

#### **Scope of Services:**

This project included design for the construction of a new two-story assembly building addition to the current Clarksburg Baptist Church. Each floor was 4,782 square feet. This building also features full basement. Additional features include a drop-off canopy, new elevator and lobby and atrium areas connecting to the existing church.



This building is steel frame with wood and metal stud walls and brick veneer. The floors are concrete on composite metal decking. The roof is wood trussed with plywood sheathing and asphalt shingles. The exterior doors will be aluminum and glass with interior doors of stained wood in painted hollow metal frames.

The interior partitions have wood and metal stud walls and drywall and a suspended lay-in acoustical tile ceiling. The staircase is steel framed with concrete treads and landings, with stained wood handrails. The cabinetry and casework included kitchen cabinets and tops, classroom cabinets and tops and vanity tops in the restrooms. Interior finishes include carpet, VCT, sheet vinyl, rubber stair treats and ceramic tile.

The elevator is a 5 stop front and rear entry hospital-size hydraulic package.

## **WHITE OAKS DEVELOPMENT – PROFESSIONAL BUILDING 1**

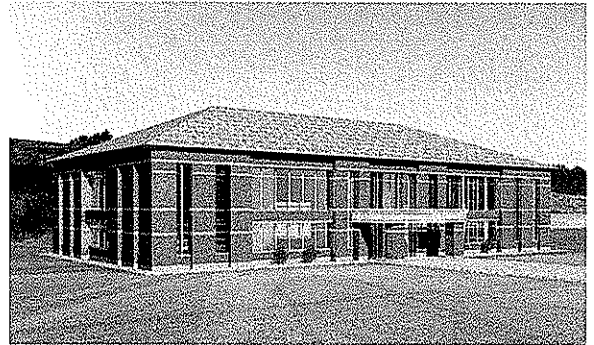
**A. DESCRIPTION AND LOCATION:** 20,000 Square Foot Multi-Tenant Office Building, Harrison County, West Virginia

**B. STARTING DATE:** 2008

**COMPLETION DATE:** Design Phase

**C. ORIGINAL COST ESTIMATE:** \$ 3,200,000.  
**FINAL COST OF SERVICES:** TBD

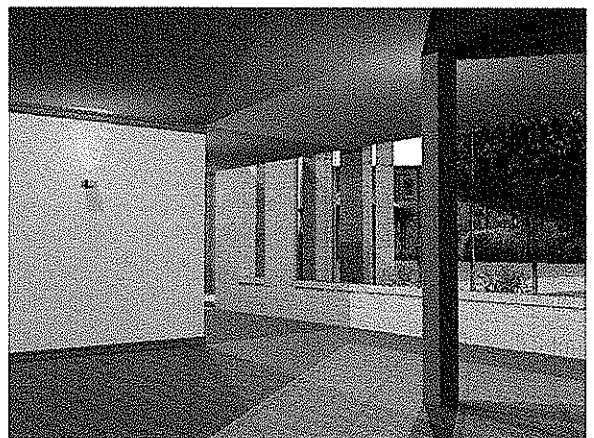
**D. CONTACT:**  
High Tech Corridor Development, LLC  
Mr. Jack Keeley  
304-622-2400



**E. LEAD FIRM:** Thrasher Engineering, Inc.

**F. OTHER FIRMS:** Harper Engineering – MEP  
Sub-consultant for this project

**G. LEAD ENGINEER:** Chad M. Riley, P.E.  
**LEAD ARCHITECTS:**  
Craig Baker, Assoc. AIA  
Lee Gustafson, AIA



**H. SYNOPSIS:** Thrasher Engineering, Inc. was retained to design both this 20,000 square foot mixed-use office building along with a retail strip center.

The planned office building will be of brick and masonry construction with a slate roof. Designed for up to 6 businesses, the building includes centrally located core spaces including a shared lobby, stairs, elevator and conveniences.

## SHENANDOAH OFFICE PARK – MON VALLEY BANK BUILDING



**A. DESCRIPTION AND LOCATION:** 20,000 Square Foot Multi-Tenant Office Building, Martinsburg, West Virginia

**B. STARTING DATE:** 2006  
**COMPLETION DATE:** 2007

**C. ORIGINAL COST ESTIMATE:** \$ 3,232,000.  
**FINAL COST OF SERVICES:** \$ 3,248,000  
(Site Development and Structure)

**D. CONTACT: US Government – GSA**

Jamie Thompson – Project Mgr. 215-446-4665

Stacy Keefer – Project Mgr. 215-446-4579

Charles Green – Project Mgr. 215-446-4568

**MON VALLEY BANK**

Larry Mazza - Manager

304 -842-6700

**E. LEAD FIRM:** Thrasher Engineering, Inc.

**F. OTHER FIRMS:** CMA Engineering – MEP Services

(Assigned Staff Now with Harper Engineering – MEP Sub-consultant for this project)

**G. LEAD ENGINEER:** Chad M. Riley, P.E.

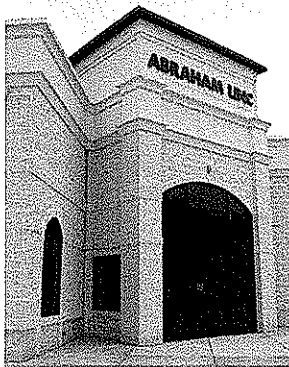
**LEAD ARCHITECTS:** Craig Baker, Assoc. AIA

Lee Gustafson, AIA

**H. SYNOPSIS:** The project consisted of the design for two, two story **multi-purpose office buildings totaling 50,000 square feet**. The first completed building is a 20,000 square foot two story structure. The building features a brick exterior, metal frame and green metal roof meeting all ADA requirements, including an elevator. The scope of services for the project included site development, exterior design and structural engineering, interior design including carpet and color selection. Tenants of the building include Mon Valley Bank, an engineering firm and two government agencies.

## *Additional Additions / Renovations and New Construction Projects*

### **ABRAHAM LINC CORPORATION - BRIDGEPORT, WEST VIRGINIA**



#### **Scope of Services:**

This project included the design and construction management services for the renovation of existing Abraham Linc offices and warehouse, and the addition of new offices. Demolition and disposal work was also included within this scope of services.

The building addition was wood framed with full span low slope wood roof trusses and plywood decking. The roofing system was an adhered PVC system over rigid insulation sheathing. Exterior finishes included commercial aluminum entrance systems, clad

wood windows with interior wood trim and brick veneer to match the existing building.

Interior finishes included vinyl floor coverings, stained wood base and trim, finished drywall and a two-foot by two-foot lay-in ceiling system.

This project also included mechanical and electrical work, plumbing for roof and storm drains, rooftop heating and air conditioning, lighting and a fire alarm extension.



**Building Size:** 10,900 Square Feet  
**Cost:** \$1,200,000

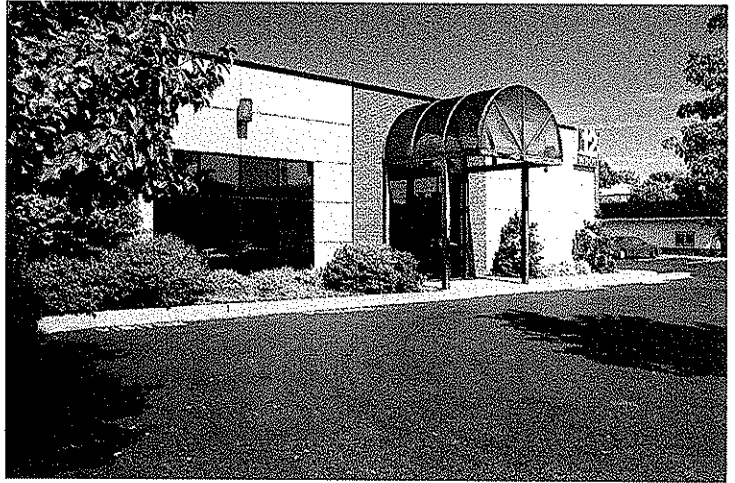
#### **Client:**

Abraham Linc, Inc.  
519 West Main Street  
Bridgeport, WV Phone: 304-842-6474  
FAX: 304-842-8703

**WBOY-TV  
CLARKSBURG, WEST VIRGINIA**

This project consisted of combining and unifying three adjacent properties, both physically and aesthetically, into one complex. The majority of the work was in the 12,000 square foot new office renovation for marketing, administration, bookkeeping, computers, conferences and business functions. This addition allowed for the expansion of the existing news room, engineering and employee lounge facilities.

**Building Size:** 25,000 SqF  
**Cost:** \$500,000.



**Client:**  
WBOY-TV  
P.O. Box 1590  
CLARKSBURG, WV 26301  
304-623-3311

**CLARKSBURG PUBLISHING COMPANY  
CLARKSBURG, WEST VIRGINIA**

**Scope of Services:**

This project encompassed an 8,400 square foot addition to the existing Exponent Telegram Newspaper building to house a new high speed printing press and all new Circulation Department. Specialties included the isolated heavy duty foundation and environmental controls for the Press Room, Ink Room, and computer rooms. The layout and installation details for the circulation sorters, stackers, and conveyors, observation decks, adjustable loading docks and overhead doors for roll paper deliveries, and designing for a future second floor expansion.



**Client:**  
Clarksburg Publishing Company  
24 Hayes St.  
Clarksburg, WV 26301-4263

**Building Size:** 8400 Square Feet  
**Cost:** \$750,000.

## HORIZONS CHURCH AND EDUCATION COMPLEX LOST CREEK, WEST VIRGINIA

### Scope of Services:

This project encompassed the design of a new 26,000 square foot office building for the Horizons Church, with 12,000 square feet for the 800 seat sanctuary and 14,000 for the Educational and Fellowship Wing. This includes classrooms, the Youth Recreation Center, a kitchen, a dining/café area, meeting rooms, a nursery, rest rooms, and the Youth Worship Center. The sanctuary and stage are fully equipped for a wide variety of multi-media productions. Preliminary plans have been completed for a 22,000 square foot addition in 2009



### Client:

Horizons Church  
Lost Creek, West Virginia  
Scott Burns  
304-598-4125

---

---

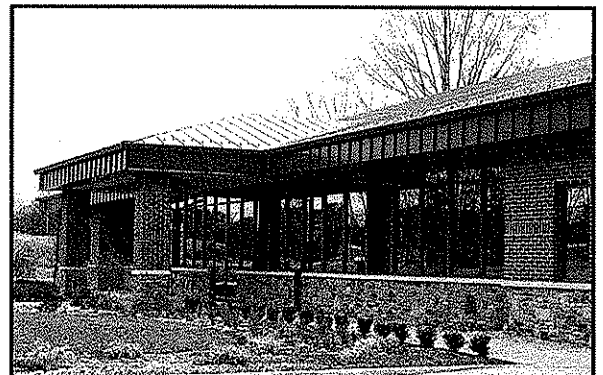
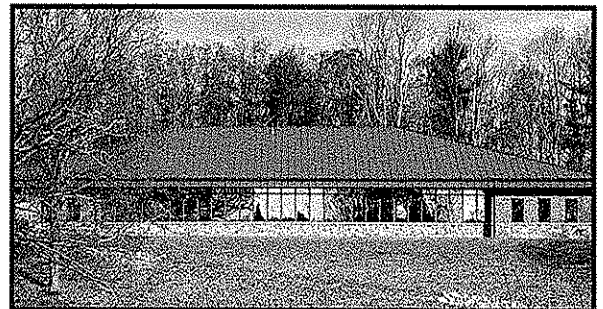
## RAHALL CENTER AT THE WOODLANDS

Site development engineering and architectural design. The oversight of design of electrical, plumbing and mechanical was included. Thrasher Engineering also provided design and construction management for curbs, sidewalks, a parking area, access road and landscape architecture are also included in the scope of services for this project.

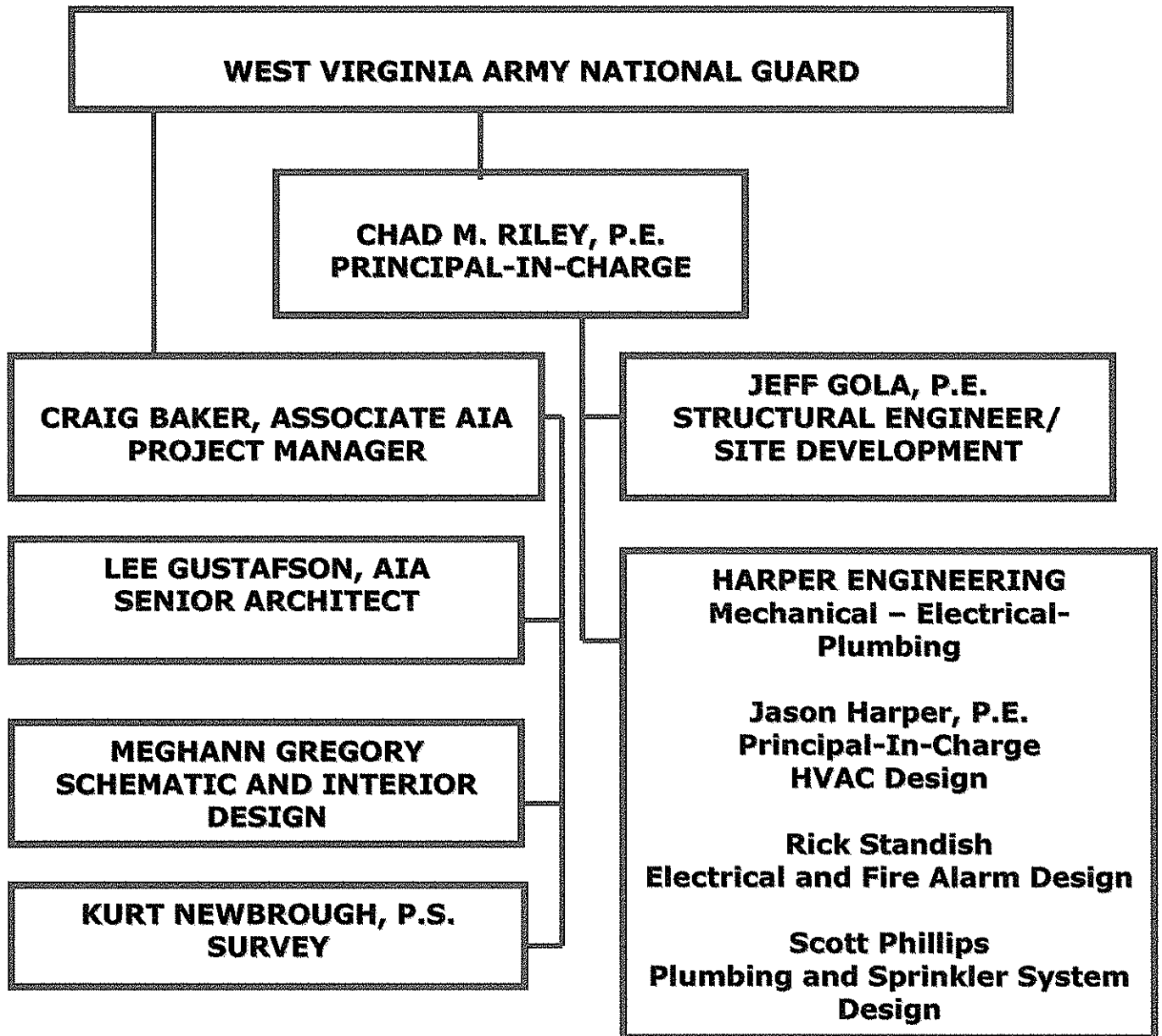
- ❑ 10,000 square foot building
- ❑ One-story brick building with an aluminum-glass curtain wall
- ❑ Interior partitions use wood frame and drywall. Interior finishes included carpet, flooring, paint and wall coverings and trim.
- ❑ ORIGINAL COST ESTIMATE: \$1,800,000.  
FINAL COST OF SERVICES: \$1,832,000.

### Client:

Pinecrest Development Corporation  
Bill Baker  
200 Main Street  
Beckley, WV 25801  
(304) 929-2010  
Fax 929-2009



## *Project Management / Staff Qualifications*





The expertise of the Thrasher Engineering staff is a combination of education and experience; it is reflected in all aspects of our services. The firms are led by a talented group of Principals and Partners who are dedicated to the success of our projects and the satisfaction of our clients.

The West Virginia Army National Guard will benefit from the resources of not only Thrasher Engineering for their project, but also services provided **Harper Engineering**, a newly formed M-E-P firm whose partners are highly experienced in office building facilities.

The principals and project team members from Thrasher Engineering who will be involved with the project include:

**Chad M. Riley P.E.** is a Principal of Resource Engineering Group and a partner in Thrasher Engineering. His primary responsibilities include overseeing both site development and architecture projects as Principal-In-Charge and Project Manager. His experience related to your project includes site development for all infrastructure improvements at Fairmont State University and the development of Wolf Creek Park along with over 10 industrial and business parks throughout West Virginia. Mr. Riley is a graduate engineer from Fairmont State University. He will serve as **Principal-In-Charge and Project Manager** for the project, coordinating architectural and engineering services along with overseeing all contractual obligations of the project.

**Craig Baker, Associate AIA** will serve as **Architectural Project Manager**. He joined Thrasher Engineering in 2006, following six years of experience with other firms. Mr. Baker received his Bachelor of Science Degree in Architecture Engineering, in 2001 from Fairmont State University. Office buildings, city government buildings, residences, medical facilities and restaurants are among his expertise. Mr. Baker has expertise in all CADD design programs relative to architecture.

For thirty years, **Lee O. Gustafson, AIA** has provided architectural design and engineering services for educational, government, commercial, health care, and residential development throughout the State of West Virginia. Following twelve years of practice with other architectural firms, he formed his own firm, a sole proprietorship, in March of 1985. A graduate of the University of Cincinnati, Mr. Gustafson brings over thirty years of experience to the team, with over twenty-five of those years designing and managing projects throughout the State of West Virginia. Lee will serve as **Lead Design Architect**. His experience relative to this project includes the design of the West Virginia University Eye Institute, a 50,000 square foot office and medical facility.

**Structural engineering** and site development aspects of your project will be the responsibility of **Jeff Gola, P.E.** as **Project Engineer**. Mr. Gola is based in Thrasher Engineering's Clarksburg office, which will allow for communication with the architectural team. He joined Thrasher Engineering in 1998 and is responsible for the structural aspects of engineering design, as well as airport, road, sidewalk, storm water management and demolition projects. Mr. Gola is a Summa Cum Laude graduate of West Virginia University's College of Engineering and Mineral Resources. He is a Registered Professional Engineering in the State of West Virginia.

The Thrasher Engineering, Inc. team also offers the field services necessary to meet the entire scope of your project. Survey, along with construction management and materials testing will also be provided by our team.

Survey services are under the direction of **Kurt Newbrough, P.S.** For 15 years, Mr. Newbrough has served as Survey Supervisor for Thrasher Engineering and is a Principal and Partner in the firm. His position on the team will encompass the management of all survey projects and assignment of survey crews to meet the project needs. He oversees the firm's conventional and GPS survey teams. A Licensed Land Surveyor, he serves as County Surveyor in Harrison County.

Construction Inspection and Materials Testing services are under the direction of **Aaron Denham**. Mr. Denham joined Thrasher Engineering in 2000 and serves as Manager of that department. He is responsible for quality control of materials and compaction testing for numerous federal, state and private projects, in addition to the field and laboratory testing. Thrasher Engineering's two materials testing laboratories are under Mr. Denham's supervision, as well. Additionally, he has managed both Quality Control and Quality Assurance Programs for many federally funded construction projects. Mr. Denham's staff includes over 40 project representatives and inspectors, based throughout the State, which brings time and cost efficiencies to our projects. He is a graduate of Fairmont State University with a Bachelor of Science degree in Civil Engineering Technology.

**Jason E. Harper, P.E.**, Principal of Harper Engineering brings 5 years design experience to our team. He has experience with HVAC and piping design. His projects include educational facilities (including colleges and universities), health care facilities, office buildings, banks, emergency services facilities, postal facilities, and government buildings.

Resumes of these team members follow.

**Chad Mitchell Riley, P.E.**  
**Principal-In-Charge / Site Development Manager**



**Mr. Riley joined Thrasher Engineering in 1996 and became a partner in the firm in 2004. His past experience with the firm has included survey and construction management / inspection responsibilities; he now holds the responsibility of Site Development Manager and lead engineer for site development projects. The focus of these projects is for the development of industrial and business parks, multi-use developments and long-term, multi-phase infrastructure improvement and building projects. He has extensive experience in working with both Federal and State funding agencies, including the US Department of Commerce, Economic Development Authority and the State of West Virginia Development Office.**

**Mr. Riley is currently, or has served, as Project Manager for numerous economic development projects throughout the State of West Virginia. In this capacity, he holds ultimate responsibility for client communication, engineering design, funding issues, construction document preparation, bidding, and construction management.**

**SITE DEVELOPMENT PROJECTS**

- FAIRMONT STATE UNIVERSITY: 10-YEAR INFRASTRUCTURE IMPROVEMENTS PROJECT:
  - Utilities, Roadways, Sidewalks, Storm Drainage, Utility Relocation
  - Parking Garage
  - Falcon Center (Student Activity Center)
  - Bryant Place Dormitory
  
- RALEIGH COUNTY MEMORIAL AIRPORT INDUSTRIAL PARK
- McDOWELL COUNTY PRISON
- PINECREST BUSINESS AND TECHNOLOGY PARK –RALEIGH COUNTY, WV
- WOLF CREEK PARK “LIVE, WORK AND PLAY” COMMUNITY – FAYETTE COUNTY, WV
- CHARLES POINTE DEVELOPMENT – BRIDGEPORT, WV
  - Mass Grading, Roadways, Sidewalks, Utilities
  - Conference Center
- WOOD PRODUCTS INDUSTRIAL PARK – MINGO COUNTY, WV
- PUTNAM COUNTY INDUSTRIAL PARK
- BELINGTON INDUSTRIAL PARK – BARBOUR COUNTY, WV
- FEDERAL BUREAU OF PRISONS
  - Glenville Correctional Institute – Gilmer County, WV
  - Canaan U.S. Penitentiary / Federal Prison Camp
- U.S. DEPARTMENT OF VETERANS AFFAIRS – WEST VIRGINIA NATIONAL CEMETERY EXPANSION

**EDUCATION**

FAIRMONT STATE UNIVERSITY – Bachelor of Science, Civil Engineering Technology

**REGISTRATIONS**

- Registered Professional Engineer, State of West Virginia
- Registered Professional Engineer, State of Maryland
- WVDOH Certified Concrete Technician
- WVDOH Certified Compaction Technician

**AFFILIATIONS**

- Fairmont State University Technology Advisory Committee

**Craig M .Baker, Associate AIA**  
**Architectural Project Manager / Architect**



**Mr. Baker joined Thrasher Engineering, Inc. in 2005, following six years of experience with other firms. He received his Bachelor of Science Degree in Architecture Engineering, in 2001 from Fairmont State University. Office buildings, city government buildings, medical facilities and restaurants are among his expertise. Mr. Baker has expertise in all CADD design programs relative to architecture.**

**Mr. Baker serves Project Manager for numerous public and private architectural projects throughout the State of West Virginia. In this capacity, he holds responsibility for client communication, scheduling, construction document preparation, bidding, and construction management. .**

**REPRESENTATIVE PROJECTS**

- Mason County Board of Education – High School Football Stadium, Point Pleasant, WV
- Morgantown AES Credit Union, Morgantown, WV
- Elkins Hospice Care, Elkins, WV
- Rahall Center at the Woodlands ,Beckley, WV,
- Shenandoah Office Park 2 Multi-Story Office Buildings – Martinsburg, WV,
- Mon Valley Bank Bridgeport and Martinsburg, WV
- Horizon Church, Lost Creek, WV
- Cortland Acres Medical Records Department, Thomas WV
- City of Oak Hill Police Station, Oak Hill, WV
- Glenville State Convocation Center, Glenville, WV
- Cambridge Office Park Buildings 1-6, Bridgeport, WV
- Northern and Southern High School Athletic Facilities, Garrett County, MD

**Past Experience (Other Firms):**

- Fieldcrest Hall Renovations, West Virginia University, Morgantown WV
- Grant Franklin Jr. M.D. Office Building, Fairmont WV
- Bridgeport City Building, Bridgeport, WV
- Therapy Services, Morgantown, WV
- Uniontown Senior Housing Facility, Uniontown, PA
- F.B.I. Fingerprint Facility, Fairmont, WV
- Med Express Urgent Care, Morgantown, WV
- Mon Schools Foundation Bus Garage, Morgantown, WV
- Burroughs Street Senior Housing Facility, Morgantown, WV
- Texas Roadhouse Restaurants, Morgantown, Clarksburg WV & Greensburg, Washington PA

**EDUCATION**

Bachelor of Science—Architecture Engineering Fairmont State University

**PROFESSIONAL AFFILIATIONS:**

American Institute of Architects- Associate, West Virginia

**Lee O. Gustafson, AIA**  
**Lead Architect**



***Prior to joining Thrasher Engineering in 2005, Mr. Gustafson a sole-proprietorship firm specializing in educational and health care facilities. Additionally, he provides architectural services for military installations, apartment complexes, office buildings and structures associated with Thrasher Engineering's site development projects.***

***A graduate of the University of Cincinnati, Mr. Gustafson brings over thirty years of experience to the team, with over twenty-five of those years designing and managing projects throughout the State of West Virginia.***

**REPRESENTATIVE PROJECTS**

- ❑ Rahall Center at the Woodlands
- ❑ Lumberport Volunteer Fire Department
- ❑ Spelter Volunteer Fire Department
- ❑ Shenandoah Office Park ( 2 Multi-Story Office Buildings – Martinsburg, WV)
- ❑ Mon Valley Bank (Bridgeport , Fairmont and Martinsburg, WV)
- ❑ Horizon Church, Lost Creek, WV
- ❑ Cortland Acres Medical Records Department, Thomas WV
- ❑ S.T.A.R. Training Facility, Parkersburg, WV
- ❑ Glenville State Convocation Center, Glenville, WV
- ❑ West Virginia University Eye Institute; New Construction
- ❑ West Virginia University Ruby Memorial Hospital; Renovations
- ❑ Salem International University Randolph Hall, ADA Compliance and Fire Code Upgrades
- ❑ Erickson Alumni Center; New Construction
- ❑ Horizon Church and Education Complex; New Construction
- ❑ United Hospital Center; Renovation, ADA Compliance and Fire Code Upgrades
- ❑ William R. Sharpe, Jr. Hospital; Renovation, ADA Compliance and Fire Code Upgrades
- ❑ Grant County Nursing Home; New Construction, Additions and Renovations
- ❑ Tucker County Senior Center, New Construction
- ❑ Harrison County Board of Education
  - Liberty High School; ADA Compliance and Fire Code Upgrades
  - Salem Middle School; ADA Compliance and Fire Code Upgrades
  - Van Horn Elementary School; ADA Compliance and Fire Code Upgrades
  - Harden Elementary School; ADA Compliance and Fire Code Upgrades
  - Adamston Elementary School; ADA Compliance and Fire Code Upgrades

**EDUCATION**

Bachelor of Science, Architecture, 1975 - University of Cincinnati

**REGISTRATION**

American Institute of Architects (AIA), State of West Virginia  
Certification, National Council of Architectural Registration

**PROFESSIONAL AFFILIATIONS:**

West Virginia Society of Architects  
A.I.A. Committee on Architecture for Education  
A.I.A. Committee on Architecture for Health Care  
A.I.A. Committee on Architecture for Justice

**Jeffrey Gola, P.E.**  
**Project Engineer**  
**Site Development and Structural**



**Mr. Gola joined Thrasher Engineering in 1998 and serves as Project Manager/Engineer on Highway Projects, Community Improvement Projects, and Commercial Site Development Projects. He is experienced in all aspects of the project control, from design and drafting to the bidding process to the over site of the construction inspection. Specialties include:**

- **Highway Engineering: planning and design of roadways and sidewalks.**
- **Structural Engineering: design of bridges, retaining walls, and structures/demolition plans**
- **Site/Land Development: design of roads, drainage, storm water manager, erosion and sediment control and numerous regulatory permitting activities.**
- **Hydrology and Hydraulic Engineering: stream modeling and dam break analysis.**

**EDUCATION**

- B.S., Civil Engineering – West Virginia University, Summa Cum Laude 1998

**CERTIFICATIONS**

- Registered Professional Engineer (PE), State of West Virginia #15621
- Registered Professional Engineer (PE), State of Maryland #33492
- American Society of Civil Engineers
- American Society of Highway Engineers
- City of Mannington Code Enforcement Appeal Board

**REPRESENTATIVE PROJECT EXPERIENCE**

- Fairmont State University, Engineering Technology Building: For this project we were working with the architect who was renovating the existing technology building on campus. Our portion of the job was to provide grading and utility plans for the renovation. As the plans progressed, the owner decided to include a retaining wall. The wall was designed as a segmental block wall which had grating that spanned between the wall and the proposed building.
- Fairmont State University, Athletic Field Improvement: The goal of the design was to provide grading and the aggregate sub base for the installation of field turf. The field turf was to be installed on both the main football field and softball field. The design included a retaining wall, drainage structure, and a new access road to the fields. The biggest obstacle for the project was that the contract had to be designed and built before the first football game. Having not started the design until late spring, we were still able to competitively bid and award the contract and work with the contractor to meet the deadline
- Mid-Atlantic Aerospace Complex: Design of approximately 5400 linear feet of a storm water system and a detention pond. The proposed system will provided drainage infrastructure for future development along an existing airport taxiway.
- City of Pleasant Valley Sidewalks: Working with the local regional planning and development council, successfully designed and constructed approximately 2000 feet of

sidewalk using transportation enhancement funds. Designed a phase 3 portion of sidewalk for the city that will provide a safe route for students to walk to the local elementary school. Typically these types of projects stay within the WVDOH right of way and therefore have to be reviewed and approved by them.

- ❑ City of Ripley, Main Street Revitalization: Took all of the existing overhead utility lines along Main Street and put them underground in conduit. The project involved direct coordination with the utility companies to ensure they had the necessary number, size, and location of conduit. Beyond the utilities, the Main Street was designed with new sidewalks that incorporated brick pavers, hand railing, decorative street lights, and handicap ramps.
- ❑ Wirt County Commission Sidewalks: Worked for both the Wirt Co. Commission and the Town of Elizabeth for the design of approximately 1000 square yards of sidewalk. The project consists of replacing sidewalk around the courthouse square and along the main street in the town.
- ❑ Raleigh County Memorial Airport Industrial Park: Designed the roadway and drainage for a 100 acre industrial park. The project included a detailed erosion and sediment control plan. The job was unique to me in that I took the role in handling all invoices and project administration between the owner, contractor, and funding agencies.
- ❑ Benedum Airport Authority: Provided a grading, drainage, and erosion and sediment control package for improving the North Central WV Airport runway safety area approach slopes. The project is now proceeding to the design of an 800 foot runway extension.

**Kurt Newbrough, P.S.**  
**Partner**  
**General Manager / Survey**



### **SUMMARY OF EXPERIENCE**

**Mr. Newbrough joined Thrasher Engineering in 1990 and is Principal and Partner in the firm. Mr. Newbrough serves as Survey Supervisor and is responsible for assignment and review of all survey activities. Mr. Newbrough has extensive experience in all aspects of surveys, including but not limited to boundary and easement surveys and the preparation of plats and legal descriptions. Mr. Newbrough also performs courthouse research, computes field data for construction layout, and processes GPS raw data for both public and private clientele in conjunction with Thrasher Engineering projects as well as separate contracts. He also serves in the elected position of Harrison County (WV) Surveyor.**

### **EDUCATION**

- Surveying – John Tyler Community College, Chester, VA
- United Career Center, Clarksburg, WV

### **CERTIFICATIONS**

- Professional Land Surveyor (PS), West Virginia #1618 - 1995
- OSHA Hazardous Waste Operations and Emergency Response Center 29 CFR 1910.120
- US Department of Labor/Mine Safety and Health Administration

### **REPRESENTATIVE PROJECT EXPERIENCE**

#### **Construction Layout**

- Fairmont State University
  - 10-Year Master Plan for Infrastructure Improvement
  - Dormitory
  - Student Activity Center
  - Parking Garage
  - East & West Campus Drives
- WV National Cemetery Expansion

#### **Boundary Surveys**

- North and South Levee Areas for the Town of Moorefield
- Flood Control for the US Army Corps of Engineers
- FBI Fingerprint Identification Complex for the US Department of Justice
- Hardy County Rural Development Authority
- USARC sites for the US Army Corps of Engineers
- Private Surveys

#### **Topographic Surveys**

- West Virginia Division of Transportation, Department of Highways
- Harrison County Board of Education
- Gandee and Partners for Huntington Summit High School
- William A. Bruce, AIA for Food Lion Stores

#### **GPS Surveys**

- US Army Corps of Engineers, Baltimore Dist
- Benatech Associates
- IDG, Inc.
- Carter Van Dyke Associates



**Aaron W. Denham**  
**Partner**  
**General Manager / Construction Mgt. and Testing**



### **SUMMARY OF EXPERIENCE**

**Mr. Denham joined Thrasher Engineering in 2000 and serves as Manager of all Construction Inspection and Materials Testing projects for the firm. Mr. Denham is responsible for all construction inspection for water, sewer, site development, and WVDOH projects, and the daily activities of the materials testing department for highway, airport, site development, structural and public utilities projects.**

### **EDUCATION**

- B.S. Civil Engineering Technology, 1999 – Fairmont State University

### **CERTIFICATIONS**

- Fairmont State University Level V Certification – Transportation Engineering Technologist – Engineering Specialization
- WVDOH Compaction Inspector
- WVDOH Concrete Inspector/Technician
- WVDOH Aggregate Sampling Inspector
- WVDOH Aggregate Technician/Inspector
- WVDOH Bituminous Inspector/Technician
- WVDOH Radiation Safety
- Troxler Basic Safety – Nuclear Compaction Gauge

### **REPRESENTATIVE PROJECT EXPERIENCE**

- Benedum Airport Authority Metal Equipment Storage Building
- Jackson County Airport
- Blanchette Rockefeller Research Facility
- Bio Medical Research Facility
- West Virginia University Cancer Center
- West Virginia University Alumni Center
- Ruby Memorial Hospital NE Addition
- Health Science Learning Center
- WV National Cemetery Expansion
- Fairmont State University Parking Garage
- Fairmont State University Dormitory
- Fairmont State University Squibb Wilson Boulevard Demolition and Parking Lots
- Fairmont State University Renovation
- Institute for Scientific Research
- Stockmeier Urethanes
- City of Pleasant Valley Sidewalk Project
- WVDOH South High Street Bridge
- Wheeling Route 2 Bypass
- Mon General Hospital Addition
- Baker Dam Site 10
- City of Bridgeport Route 279 By-Pass
- Mon-Fayette Expressway
- WVDOH Meadowbrook Road
- Mountaineer Challenge Academy at Camp Dawson, WV
- Rubenstein Center for Youth
- Army Corp of Engineers, Tygart Dam

**HE Harper Engineering**

PO Box 874  
St. Albans, WV 25177  
Office: 304.722.3602 Fax: 304.722.3603

Jason E. Harper, PE  
(304)-541-1390  
jason@harperengwv.com

## **Education**

West Virginia University Institute of Technology  
Montgomery, WV  
Bachelor of Science-Mechanical Engineering

## **Registrations/Professional Affiliations**

WV Licensed Professional Engineer  
ASHRAE

## **Experience**

Jason E. Harper, PE brings 5 years design experience to our firm. He has experience with HVAC and piping design. His projects include educational facilities (including colleges and universities), health care facilities, office buildings, banks, emergency services facilities, postal facilities, and government buildings.

## **Projects**

Summersville Readiness Center  
Lewisburg Readiness Center  
WVARNG Fire Station  
Mylan Pharmaceuticals Expansion  
Raleigh Co. 911 Center

Independence High School HVAC  
Liberty High School HVAC  
Grafton High School Addition  
Robert Byrd Health Science Center  
TMH MRI Addition- Ashton Place

## ***Proposed Methodology***

The Scope of Work for the Architectural and Engineering services related to the renovations and addition to the St. Albans National Guard Armory will be divided into two phases, with the first phase being evaluation and design documents for the upgrade of the HVAC, water / fire prevention, and electrical systems. The second phase will consist of architectural and engineering services for the addition of a 12,000 to 15,000 square foot structure to include offices, classroom(s) and support facilities.

Each phase will generally include the preparation of schematic and final design, contract plans, specifications, and contract documents. Specific services include basic architecture, interior design, space planning, structural engineering, M-E-P services and construction stakeout survey. The engineering aspect of the project will consist of site development, and landscaping and a thorough review of the site utilities. Full-time project inspection is not included in the proposed scope of work, however, the architect and engineer will make periodic visits to the site for monitoring purposes.

### **Project Approach**

As stated in the cover letter of this proposal, Thrasher Engineering, Inc. takes a very methodical “engineering” approach to architecture. The following approach is based specifically on the scope of services outlined in the Request for Qualifications. It is important to note that Thrasher Engineering utilizes a **single management and responsibility approach** to our projects. Although the M-E-P engineering aspect of this project will be sub-contracted, the direction and communication to that sub-contractor will be through the Thrasher Engineering, Inc. team.

### **Study and Preliminary Design Phase:**

#### **Study and Planning**

The Thrasher Engineering, Inc. project team leaders in both Architecture and Engineering will have an initial design charret with the representatives of the National Guard to establish a solid owner/architect /engineer working relationship. This will also allow us to set up the lines of communication and determine how decisions will be made.

During this meeting we will thoroughly examine the armory’s current HVAC, plumbing and electrical systems, in addition to touring the facility grounds to plan for the addition. Based upon our findings, we will develop a program that outlines the needs of the building’s users and the overall requirements for the upgrades. We will begin by developing and sketching concepts to get ideas rolling in our initial meeting. This will also allow us to develop a specific schedule and provide us the opportunity to set deadlines.

Once your program is laid out we can begin to determine what your main goals are for the project. Any special needs or requirements will also be discussed and reviewed. These could include any interest in “green” construction, overall exterior and interior look preferences, and/or building materials.

Before we completely begin the schematic phase we will have a survey crew from our office perform a full survey of the property to provide us with topography, utilities, etc. This will allow us to accurately determine the building parameters.

Because of our “one management contact” philosophy, we will be able to work on the design of both phases of the project simultaneously, which will bring cost efficiencies.

### **Schematic / Preliminary Design and Project Cost Estimates**

During our first meeting, a preliminary budget for construction and fees will be discussed to allow the Thrasher team to “hit the drawing board” immediately to develop schematic designs that suit the needs outlined in the initial meetings. A preliminary cost estimate can be determined on the particular designs along with presenting a list of alternatives that could cut costs if it is initially too high.

Once we have finalized the schematic design we will begin the “design development” phase. At this point, we will begin to incorporate structural & MEP concepts as well as reach agreement on the building site amenities and landscape concepts. This design development phase will also include all evaluation reports regarding utilities for the site. We prefer to have more than one review session with the owner before we complete the documents, plans and design data which may be required for governmental agencies and authorities and permitting agencies. We will sit down with all local and State Code officials (if possible) and have a preliminary review of the plans. This will allow us to catch any problems that there may be with the design early to avoid any delays later on in the final submittal

### **Final Design Phase**

Once the final schematic design is approved and regulatory approvals are secured, we will then begin developing bid / construction documents. We consistently provide unmatched quality construction documents that detail every aspect of the building which will guarantee more competitive and comparable bids. This will minimize change orders and provide you with a better finished product. We will provide the Board and its representatives with a review set of documents at the 25% complete point to make any changes that you desire

At the 50% construction document level we will sit down with all local and State Code officials again (if necessary) and have an additional review of the plans. This will allow us to catch any problems that there may be with the design early to avoid any delays later on in the final submittal. We will also provide you with another review set at this time.

As a matter of quality control, we will once again provide you with another review set that is approximately 90% complete. Once the construction documents are 100% complete we will submit the plans to the necessary agencies for their final review. If there are any comments we will make the necessary changes and have all documents ready for bidding. We will work with the County’s Purchasing Department to assemble the bid documents, including all applicable local, state, and federal requirements. We will obtain all final regulatory and permitting approvals and provide the Purchasing Department with

25 copies of final plans, specifications, and contract / bid documents. We will use our large database of unit bid prices, along with our local knowledge and expertise in office building construction projects to provide a detailed, thorough final construction cost estimate.

### **Bidding Phase**

Thrasher Engineering, Inc. has completed numerous projects throughout West Virginia. We will use that experience to ensure that the appropriate documents are included in the contract documents.

We will attend & participate in the pre-bid, bid opening and pre-construction conferences. We pride ourselves on the fact that our projects typically have more bidders than our competitors, leading to more competitive pricing. This can be attributed to our depth of understanding of how to bid publicly funded projects. Contractors like fairness and don't like risk. We take extensive measures to make sure that bidding issues and the construction plans are detailed and clearly defined, providing a fair bidding environment and minimized risk to contractors. Upon receipt of bids, we will evaluate the bids and consult & advise the county on the quality of the bids and the acceptability of the contractor.

### **Construction Phase**

Throughout the construction phase, we will serve as the National Guard's representative. Although daily on-site inspection is not required in the scope of services for this project, we will keep a "watchful eye" approach utilizing our Charleston, West Virginia office personnel. The architect will make periodic site visits. The frequency will be dependent on the construction schedule, but will be no less than once a week. Since we are local we will be able to respond to issues that come up on site immediately as opposed to two or three days late. This will allow us to keep the project on schedule for substantial completion. We will guarantee that the building will be built as designed.

A monthly project meeting will be held on site to discuss progress, issues, and schedule. We will also handle all shop drawing review, and provide monthly inspection (progress) reports to the Board and its representatives. If necessary we will prepare and review all change orders and also review all payment applications during our monthly inspection.

As construction is completed we will complete a final walk through to insure that the building is acceptable and will issue the certificate of substantial completion. We will also handle any other close out services that you request. Once construction is complete we will provide you with as-built drawings that are based on the final finished product, along with a manual of all shop drawings & equipment literature for your records.