



Statement of Qualifications for Architectural and Engineering Services



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

DEFK 9019

Senior Officers Billeting
Facilities
Camp Dawson
Kingwood, West Virginia



RECEIVED

2009 APR -1 A 10: 30

April 1, 2009

PURCHASING DIVISION
STATE OF WV

THRASHER

ENGINEERING

CIVIL • ENVIRONMENTAL • CONSULTING • FIELD SERVICES

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

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March 30, 2009

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

RE: RFQ # DEFK9019
Architectural and Engineering Services for the West Virginia Army National Guard Senior Officer Billeting Facilities – Camp Dawson, Kingwood, West Virginia

Dear Members of the Selection Committee:

Thrasher Engineering, Inc.'s architectural division brings extensive experience in the design and construction oversight of residential structures to the West Virginia Army National Guard to meet your needs for senior officer billeting facilities at Camp Dawson near Kingwood in Preston County.

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 and landscape architecture. Only Mechanical –Electrical – Plumbing engineering and interior design are sub-contracted for our architectural projects. Within this Expression of Interest and qualifications statement, we have identified Harper Engineering for M-E-P services. At the present time, we have not identified an interior design sub-consultant; we believe the choice of interior designers should be based upon the client's personal needs. We will work with you to identify the right interior designer to meet the aesthetic needs of the facilities.
- ❑ **Experience in the Design and Construction of Residential Structures:** Although many firms choose not to design residential structures, Thrasher Engineering, Inc. has developed a diverse portfolio in this area. Our projects for private residences have ranged from 2,800 to 18,000 square feet, featuring spaces to meet various needs. We also have designed multi-family town home structures for numerous developers.
- ❑ **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 developed a positive reputation for residential design through "word of mouth" references.

- **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.

Per your request, enclosed please find two (2) 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.

A handwritten signature in black ink, appearing to read 'Chad M. Riley', with a stylized flourish at the end.

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

RFQ NUMBER
DEFK9019

PAGE
1

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

PROPERTY

RFQ COPY

TYPE NAME/ADDRESS HERE

Thrasher Engineering, Inc.
 30 Columbia Blvd.
 Clarksburg, WV 26301

SHIP TO

DIV ENGINEERING & FACILITIES
ARMORY BOARD SECTION

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

DATE PRINTED 03/12/2009	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
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BID OPENING DATE: **04/01/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-00-00-001		
<p>ARCHITECT/ENGINEERING SERVICES, PROFESSIONAL</p> <p>CONTRACT TO PROVIDE ARCHITECT & ENGINEERING SERVICES FOR THE WEST VIRGINIA ARMY NATIONAL GUARD, CAMP DAWSON KINGWOOD, WV LOCATION, PER THE ATTACHED DOCUMENTATION.</p> <p style="text-align: center;">NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p style="text-align: center;">DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p> <p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: JOHN ABBOTT-----</p> <p>RFQ, NO.: DEFK9019-----</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS		
SIGNATURE 	TELEPHONE 304-624-4108	DATE 3-31-09
TITLE Principal-in-Charge	FEIN 55-06335966	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:
DEFK9019

PAGE:
2

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

**RFQ COPY
 TYPE NAME/ADDRESS HERE**

Thrasher Engineering, Inc.
 30 Columbia Blvd.
 Clarksburg, WV 26301

**DIV ENGINEERING & FACILITIES
 ARMORY BOARD SECTION**

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

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
03/12/2009				

BID OPENING DATE: **04/01/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UQP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
BID OPENING DATE:				04/01/2009		
BID OPENING TIME:				1:30 PM		
PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID:						
				304-624-7831		
CONTACT PERSON (PLEASE PRINT CLEARLY):						
				Craig Baker		
***** THIS IS THE END OF RFQ DEFK9019 ***** TOTAL:						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE: TELEPHONE: 304-624-4108 DATE: 3-31-09

TITLE: Principal-in-Charge FEIN: 55-06335966 ADDRESS CHANGES TO BE NOTED ABOVE

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: 3-31-09

Statement of Qualifications

Thrasher Engineering, Inc. provides the West Virginia Army National Guard the advantage of providing the full scope of services for the design of residential style billeting facilities at Camp Dawson 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.

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.



Artist Rendering of 3,600 square foot residence for client in Morgantown, WV

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 residential 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

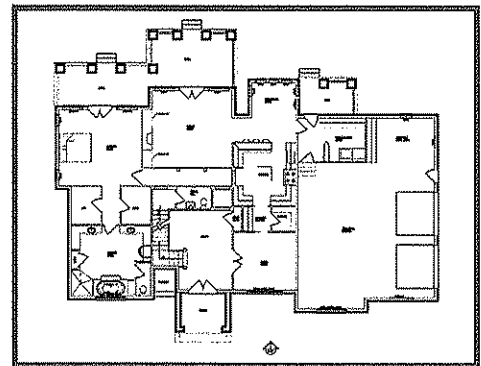
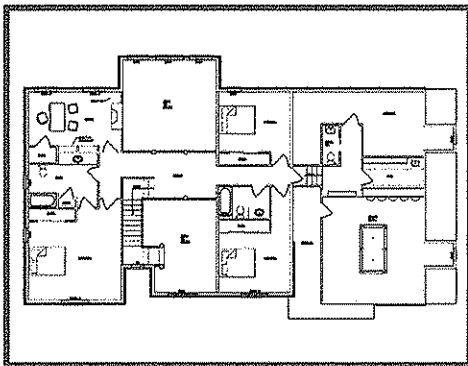
Thrasher Engineering, Inc.'s team offers project experience performance data covering the full spectrum of architectural / engineering services necessary for the design and construction of your residential style billeting facilities.

We have included as relevant examples for your review single-family residences, ranging in square footage from 2,000 to 6,000. The cost of each of these homes averages \$175.00 per square foot.

Please note that in consideration of our clients' privacy, individual references are not given per example. However, references are included following the Performance Data section.

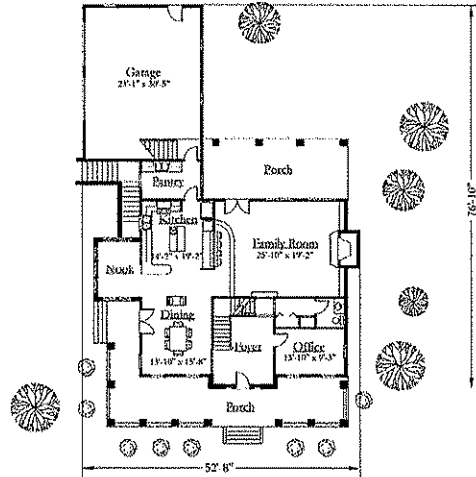
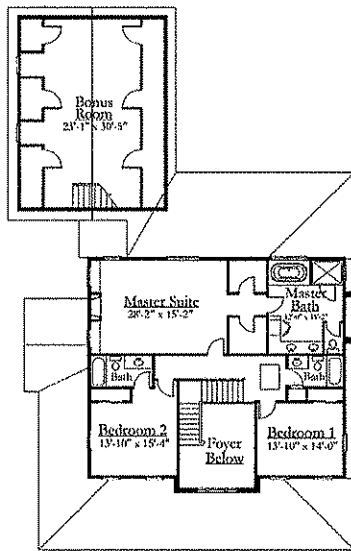
4,000 SF Residence – Morgantown, WV

- 2-Story, Brick Structure
- First Floor:
 - Master Suite
 - Great Room
 - Laundry Facilities
 - Kitchen
 - Butler's Pantry
 - Formal Dining
 - Breakfast Nook
- Second Floor
 - Recreation Room
 - Office
 - 2-Bedroom
 - 2 ½ Bath



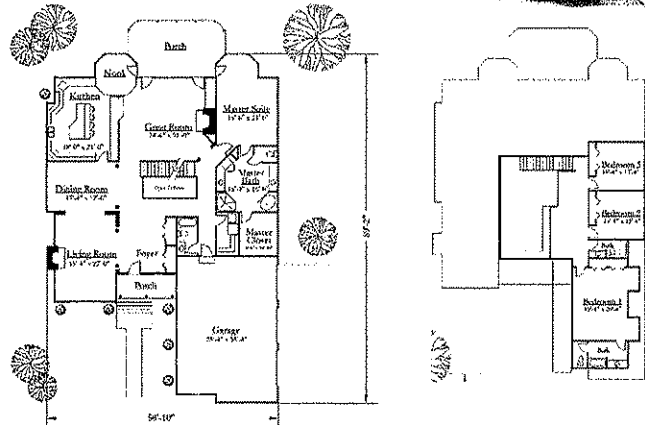
4,000 SF Residence – Morgantown, WV

- ❑ 2-Story, Brick and Siding Structure
- ❑ First Floor:
 - Family Room
 - Kitchen
 - Dining Room
 - Office
 - Nook / Pantry
- ❑ Second Floor
 - Master Suite and Bath Room
 - 2-Bedrooms
 - 2 Baths
 - Bonus Room Over Garage



4,800 SF Residence – Morgantown, WV

- ❑ 2-Story, Stone and Siding Structure
- ❑ First Floor:
 - Master Suite and Bath
 - Great Room
 - Formal Living Room
 - Kitchen
 - Formal Dining Room
 - Nook / Pantry
- ❑ Second Floor
 - 3-Bedrooms
 - 2-Baths



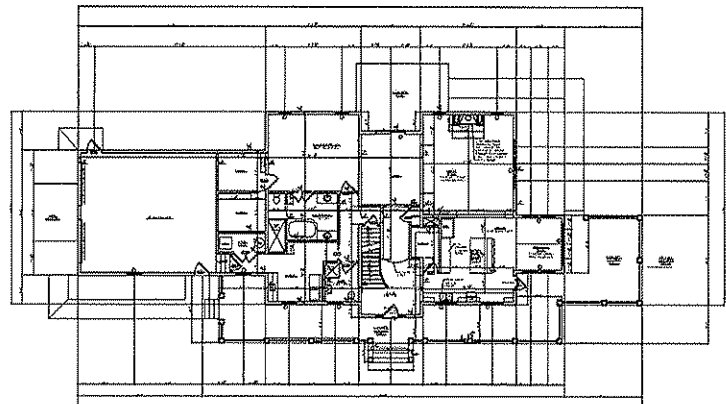
4,200 SF Residence – Morgantown, WV

- ❑ 2-Story, Siding Structure
- ❑ First Floor:
 - Master Suite and Bath
 - Family Room
 - Kitchen
 - Laundry
 - Formal Dining Room
 - Study
 - Nook / Pantry
- ❑ Second Floor
 - 4-Bedrooms
 - 3-Baths
 - Playroom



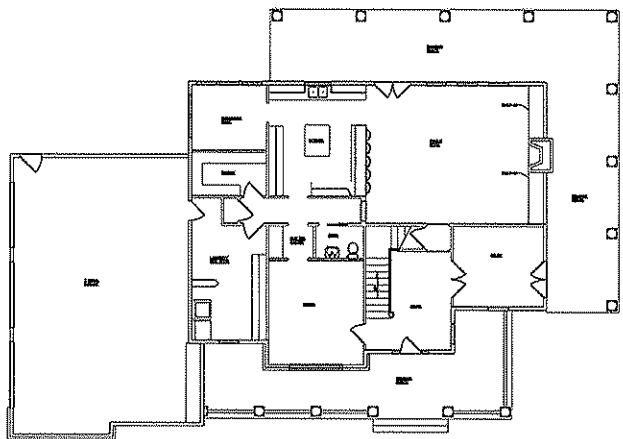
3,500 SF Residence – Morgantown, WV

- ❑ 2-Story, Siding and Stone Structure
- ❑ First Floor:
 - Master Suite and Bath
 - Great Room
 - Power Room
 - Kitchen
 - Laundry and Mechanical Closet
 - Nook
- ❑ Second Floor
 - 3-Bedrooms
 - 1-Bath
 - Playroom



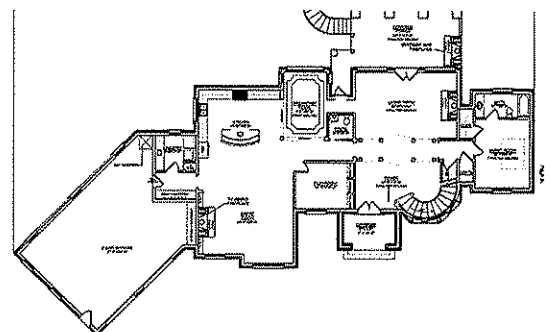
3,400 SF Residence – Morgantown, WV

- ❑ 2-Story, Siding and Stone Structure
- ❑ First Floor:
 - Kitchen
 - Breakfast Nook
 - Pantry and Butler's Pantry
 - Power Room
 - Family Room
 - Study
 - Laundry /Mud Room
 -
- ❑ Second Floor
 - 3-Bedrooms
 - 1 –Bath
 - Playroom



2,800 SF Residence – Morgantown, WV

- ❑ 2-Story, Brick and Siding Structure
- ❑ First Floor:
 - Master Suite
 - 1 ½ Bath
 - Great Room
 - Kitchen
 - Laundry / Mud Room
 - Formal Dining
- ❑ Second Floor
 - 2 Bedrooms
 - 2-Bathrooms
 - Office
 - Media Room



2,600 SF Residence – Morgantown, WV

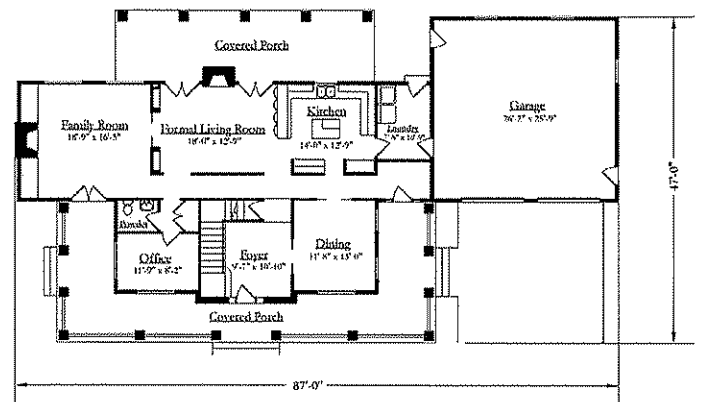
2-Story, Stone and Siding Structure

First Floor:

- Family Room
- Formal Living Room
- Formal Dining
- Office
- ½ Bath
- Kitchen
- Laundry

Second Floor:

- Master Suite and Bath
- 3-Bedrooms
- 1 Bath



3,600 SF Residence – Morgantown, WV

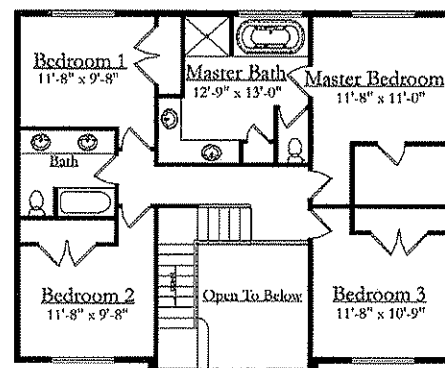
2-Story, Stone and Siding Structure

First Floor:

- Family Room
- Formal Living Room
- Formal Dining
- Office
- ½ Bath
- Kitchen
- Laundry

Second Floor:

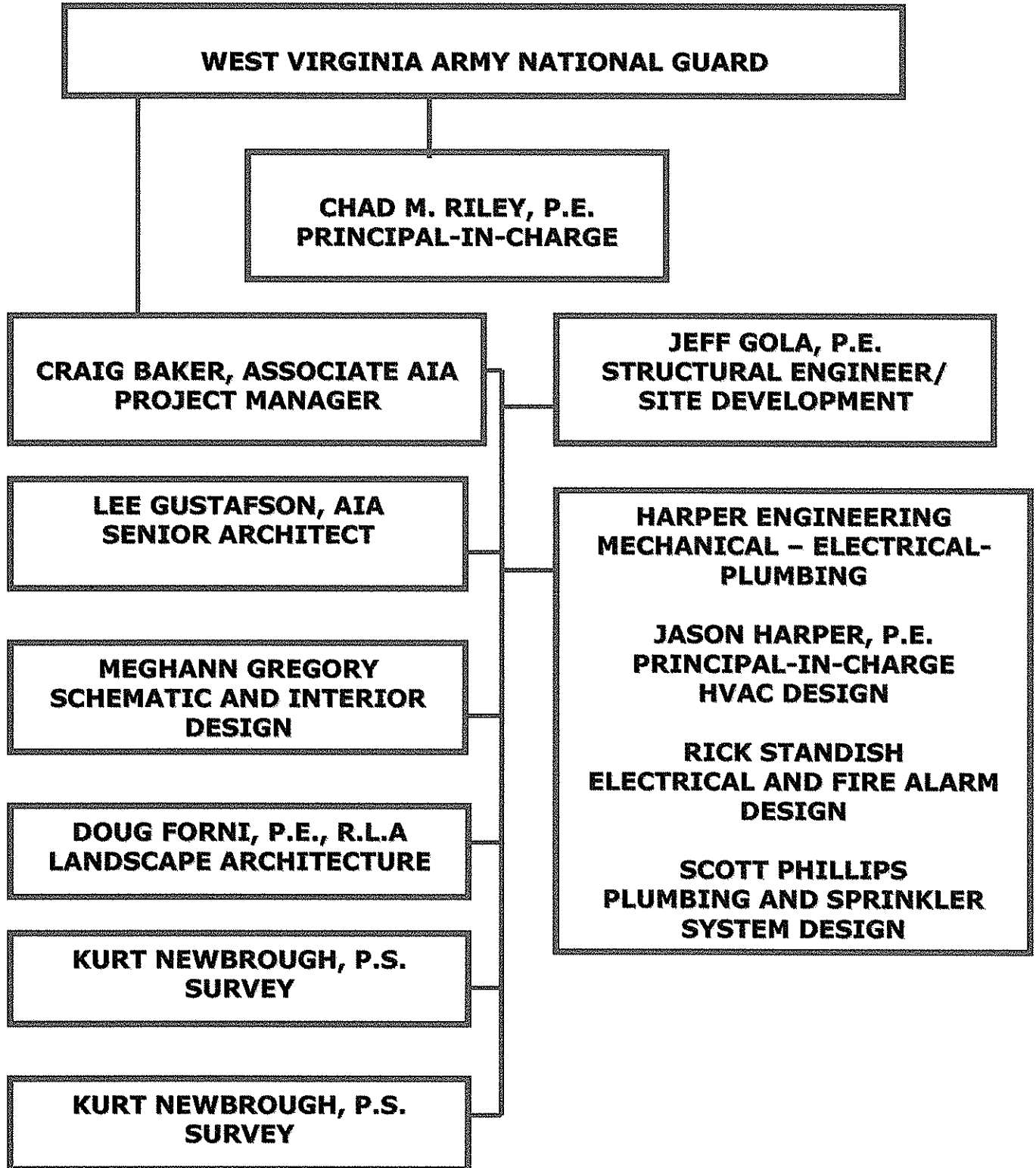
- Master Suite and Bath
- 3-Bedrooms
- 1 Bath



References

Mr. Sam Chico	304-288-0511
Mr. Kevin Bealko	304-669-4006
Mr. Sam Stefanov	304-842-8000
Mr. Jason Corder	304-625-2325
Mr. Greg Zerkel	304-842-5554

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**. He will be assisted in design by **Meghann Gregory**. Ms. Gregory joined the firm following graduation from Fairmont State University where she received her Bachelor of Science degree in Architectural Engineering. She will be responsible for the interior layout and schematic design of the project.

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 Engineer in the State of West Virginia.

Landscape architecture will be designed by Doug Forni. P.E., RLA.

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

Meghann S. Gregory
Schematic and Interior Design



Professional History:

B.S. in Architecture, 2007 – Fairmont State University
1 Year of Experience

Past Experience:

- ❑ **Morgantown AES Federal Credit Union, Morgantown, WV**
 - Construction Document Adjustments
- ❑ **Hospice Care, Elkins, WV**
 - Construction Document Adjustments
- ❑ **Shenandoah Office Park, Martinsburg, WV**
 - Construction Document Adjustments and Floor Plan Design for lease spaces including The Berkeley Associates, Public Defenders, and other offices.
- ❑ **Jackson County Commission, Ripley, WV**
 - Floor Plan Design Proposal
- ❑ **Weirton-Millsop Community Center, Weirton, WV**
 - Front Façade Facelift Design and Presentation Rendering
- ❑ **Cambridge Place Six, Bridgeport, WV**
 - Construction Document Adjustments
- ❑ **North Central West Virginia Airport, Bridgeport, WV**
 - Proposed Floor Plan Design for Renovation
- ❑ **Harrison County Humane Society, Shinnston, WV**
 - Building Addition, Floor Plan Design, and Rendering
- ❑ **Progressive Insurance, Bridgeport, WV**
 - Proposed Floor Plan Design
- ❑ **Polymer Alliance Zone, Parkersburg, WV**
 - Proposed Floor Plan Design for Renovation
- ❑ **White Oaks Development, Bridgeport, WV**
 - Proposed Floor Plan Design and Rendering
- ❑ **Chico Dairy Mart, Morgantown, WV**
 - Proposed Floor Plan Design
- ❑ **Thrasher Engineering Field Services Office, Clarksburg, WV**
 - Floor Plan Design Adjustments
- ❑ **Residences**
 - Floor Plan Design Adjustments

Honors and Awards:

AIAWV Jeffrey Mayfield Scholarship, 2006 - Fairmont State University

Professional and Civic Involvement:

2006-2007 Secretary - American Institute of Architecture Students
Fairmont State University

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
- 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 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.

Doug Forni, P.E., RLA
Project Engineer/ Landscape Architect



SUMMARY OF EXPERIENCE

Mr. Forni joined Thrasher Engineering in 1995 and serves as Project Engineer on commercial, governmental and residential site development projects. Mr. Forni has experience in all aspects of site engineering, by taking projects from concept to construction. Specialties include;

- *Conceptual Planning: planning for residential, commercial, recreational and governmental developments.*
- *Site/Land Development Engineering: geometric layout of sites, subdivisions, and roads, grading, drainage, storm water management, erosion and sediment control, and various regulatory permitting activities.*
- *Landscape Architecture*
- *Construction Administration*

In addition to engineering planning and design capabilities, Mr. Forni oversees and directs administrative staff, CAD technicians, and staff engineers throughout the various stages of projects. Mr. Forni has multiple degrees and specializes in site grading and hydrology.

EDUCATION

- B.S. Civil Engineering, – West Virginia University, 1995*
- B.S. Landscape Architecture – West Virginia University, 1986*
- Selective Coursework relating to the construction industry – Florida Community College of Jacksonville*

CERTIFICATIONS

- Registered Professional Engineer, State of West Virginia No. 16133*
- Registered Professional Engineer, State of Maryland No.32775*
- Registered Professional Engineer, State of Pennsylvania No.063091*
- Registered Landscape Architect, State of West Virginia No. 250*
- Registered Landscape Architect, State of Florida No. 1332 (Inactive)*

REPRESENTATIVE PROJECT EXPERIENCE

- Jerry West Plaza at WVU Coliseum located in Morgantown WV Developed conceptual and construction documents for the Jerry West Plaza located at the Blue Gate of the WVU Coliseum. Worked closely with WVU to produce an aesthetic design around the existing basketball facility.*
- WVU Soccer Stadium: Working as a sub-contractor to the stadium designer, provided all site development engineering design for the facility including drainage, grading and utilities.*
- Suncrest Village Development in Morgantown, WV. A multifamily development which consisted of condominiums within a high end development. A challenging site in which the grade relations where critical. Developed conceptual and design documents for the site which consisted of mass earthwork, site utilities, erosion and sediment control, storm water management, road and parking development and all the other issues which area associated with this type of development. Wolf Creek Park located near Fayetteville, WV. Developed conceptual and*

construction documents for a business park located on challenging site. Worked closely with the local development agency, the WVDOH and WVDEP to develop plans for the site. The scope consisted of an access road into the site, ConSpan structure over a stream, mass site grading, site and offsite utilities, erosion and sediment control, storm water detention facilities and landscaping amenities within the business park.

- ❑ *Chestnut Ridge Church located near Morgantown, WV. Developed conceptual and construction documents for a large church in the Cheat Lake area near Morgantown, WV. Worked closely with the architect to produce, site grading, erosion and sediment control measures, site utilities, storm collection system and site parking and circulation for the church.*
- ❑ *Camp Dawson WVAG Training Facility located near Kingwood, WV. Completed conceptual and design documents for the civil scope of the design. Worked closely with the architect to produce site grading, erosion and sediment control, site utility, storm water, parking and circulation plans and specifications for the facility.*
- ❑ *Baker Heights Townhomes located near Martinsburg, WV. Developed conceptual and construction documents for a town house subdivision located near Martinsburg, WV. A challenging site that was approved by the Berkeley County Planning Commission. Scope consisted of mass grading of the site, erosion and sediment control measures, storm water collection and detention facility which met the Maryland requirements, site utilities, parking and roads and all other infrastructure required by the Berkeley County Planning Commission for approval.*
- ❑ *Pinecrest Business and Industrial Park located in Beckley, WV. Developed conceptual and construction documents for a business park. Worked closely with the local development agency, the WVDOH and WVDEP to develop plans for the site. The scope consisted an access road into the site, mass site grading for the road and pads, site and offsite utilities, erosion and sediment control, storm water detention facilities and landscaping amenities within the business park*
- ❑ *Mills Farm Phase V Subdivision near Inwood, WV. Developed conceptual and construction documents for single family lots subdivision located near Inwood, WV. A site that was approved by the Berkeley County Planning Commission. Scope consisted of mass grading of the site, erosion and sediment control measures, storm water collection and detention facility which met the Maryland requirements, site utilities, parking and roads and all other infrastructure required by the Berkeley County Planning Commission for approval.*

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

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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 design and construction of billeting facilities at Camp Dawson is very similar to that of the design of residences for private individuals. Thrasher Engineering's architectural department will utilize our experience and expertise in the residential design discipline to create housing that meets the needs of senior officers of the Army National Guard.

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 and interior design aspects of this project will be sub-contracted the direction and communication to those sub-contactors will be through the Thrasher Engineering, Inc. team.

Study and Preliminary Design Phase:

Study and Planning

The Thrasher Engineering, Inc. project team leaders 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 discuss both the vision of the Guard for the facilities and the specific needs of the visiting senior officers who will occupy the billeting facilities. Based upon our research, the current trend in temporary billeting is more of a residential facility as opposed to the more common "barracks" or dormitory style. Therefore, the discussions will also include both the interior and exterior aesthetics the WVANG envisions for the facilities.

Based upon these discussions, we will develop a program that outlines the needs of the officers and the overall requirements for the billets. 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 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.

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 as we are located close to Camp Dawson. 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.