

Requisition #DEFK8179

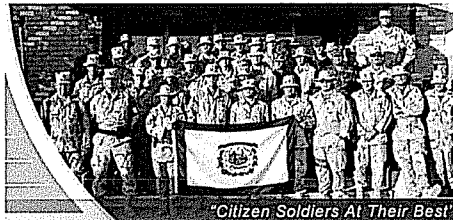
April 9, 2008

Multi-Purpose Building



for the

WV Army National Guard



at Camp
Dawson

PROJECT TEAM

E.T. BOGGESS, ARCHITECT, INC.

101 Rockledge Ave. Princeton, WV 24740 304-425-4491



MOMENT ENGINEERS, INC.

179 Summers Street, Charleston, WV 25301

304-414-4000



CMA ENGINEERING

824 Cross lanes Drive Charleston, WV 25313

304-343-0316

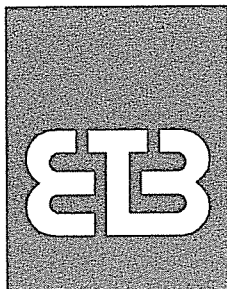


CAPITOL ENGINEERING, INC.

111 Wyoming St., Ste. 200, Charleston, WV 25302

304-344-0720





■ John Abbott
Purchasing Division
2019 Washington Street, East
PO Box 50130
Charleston, WV 25305-0130

■ April 9, 2008

RE: How the State of West Virginia will benefit by choosing the ETB Team

Dear Mr. Abbott:

The E.T. Boggess, Architect, Inc., team is ready to begin designing your new Multi-purpose Building for the WV Army National Guard to be located at Camp Dawson at Kingwood, WV. Our plan ensures that all the needs of the Guard, other military agencies, the citizens of West Virginia, and administrative personnel will be met.

How we will meet your needs . . .

I will be your architect and will be responsible for all aspects of design of a fully functional multi-use facility specifically for the Army National Guard. ETB will be coordinating the activities of our team of professional consultants which includes:

- Moment Engineers, Inc. – Structural Engineering
- CMA Engineering – Mechanical/Electrical/Plumbing Engineering
- Capitol Engineering, Inc. – Civil Engineering

What you will get from our team . . .

- You will receive our full attention, from start to finish.
- You will benefit from the experience we have with similar projects throughout our state over the past 42 years.
- You will appreciate our dedication to the success of your project.

Our team is here to offer you the best in service, knowledge, and experience. Thank you for your consideration and we look forward to meeting with you during the interview process.

Sincerely,

Todd Boggess, AIA, NCARB, Architect
President

RECEIVED

2008 APR -8 P 12: 20

PURCHASING DIVISION
STATE OF WV

P.S. You can reach me by cell phone at 304-920-6778, or by e-mail at etb@etbarchitects.com.

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SECTION ONE

UVV Forms & Purchasing Affidavit



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
DEFK8179

PAGE
1

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

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 TYPE NAME/ADDRESS HERE

**E.T. Boggess, Architect, Inc.
 101 Rockledge Avenue
 Princeton, WV 24740**

**DIV ENGINEERING & FACILITIES
 CAMP DAWSON ARMY TRAINING SITE
 240 ARMY ROAD
 KINGWOOD, WV
 26537-1077 304-329-4417**

DATE PRINTED	TERMS OF SALE	SHIP VIA	FOB	FREIGHT TERMS
03/13/2008				

BID OPENING DATE: **04/09/2008** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		906-07		
<p>ARCHITECT SERVICES, PROFESSIONAL</p> <p>EXPRESSION OF INTEREST (EOI)</p> <p>CONTRACT TO PROVIDE ARCHITECT AND ENGINEERING SERVICES FOR THE WEST VIRGINIA ARMY NATIONAL GUARD, CAMP DAWSON MULTIPURPOSE BUILDING, KINGWOOD, WV, PER THE SPECIFICATIONS.</p> <p>EXHIBIT 10</p> <p>REQUISITION NO.: ..DEFK8179..</p> <p>ADDENDUM ACKNOWLEDGEMENT</p> <p>I HEREBY ACKNOWLEDGE RECEIPT OF THE FOLLOWING CHECKED ADDENDUM(S) AND HAVE MADE THE NECESSARY REVISIONS TO MY PROPOSAL, PLANS AND/OR SPECIFICATION, ETC.</p> <p>ADDENDUM NO.'S:</p> <p>NO. 1</p> <p>NO. 2</p> <p>NO. 3</p> <p>NO. 4</p> <p>NO. 5</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>E.T. Boggess</i>	TELEPHONE 304-425-4491	DATE April 9, 2008
TITLE President	FEIN 55-0515917	ADDRESS CHANGES TO BE NOTED ABOVE

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



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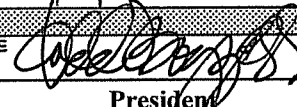
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<p>I UNDERSTAND THAT FAILURE TO CONFIRM THE RECEIPT OF THE ADDENDUM(S) MAY BE CAUSE FOR REJECTION OF BIDS.</p> <p>VENDOR MUST CLEARLY UNDERSTAND THAT ANY VERBAL REPRESENTATION MADE OR ASSUMED TO BE MADE DURING ANY ORAL DISCUSSION HELD BETWEEN VENDOR'S REPRESENTATIVES AND ANY STATE PERSONNEL IS NOT BINDING. ONLY THE INFORMATION ISSUED IN WRITING AND ADDED TO THE SPECIFICATIONS BY AN OFFICIAL ADDENDUM IS BINDING.</p> <p style="text-align: center;">  SIGNATURE E.T. Boggess, Architect, Inc. COMPANY April 9, 2008 DATE </p> <p style="text-align: center;">VENDOR PREFERENCE CERTIFICATE</p> <p>CERTIFICATION AND APPLICATION* IS HEREBY MADE FOR PREFERENCE IN ACCORDANCE WITH WEST VIRGINIA CODE, 5A-3-37 (DOES NOT APPLY TO CONSTRUCTION CONTRACTS).</p> <p>A. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED:</p> <p>() BIDDER IS AN INDIVIDUAL RESIDENT VENDOR AND HAS RESIDED CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR</p>						

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<p>(X) BIDDER IS A PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR AND HAS MAINTAINED ITS HEAD-QUARTERS OR PRINCIPAL PLACE OF BUSINESS CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR 80% OF THE OWNERSHIP INTEREST OF BIDDER IS HELD BY ANOTHER INDIVIDUAL, PARTNERSHIP, ASSOCIATION OR CORPORATION RESIDENT VENDOR WHO HAS MAINTAINED ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS CONTINUOUSLY IN WEST VIRGINIA FOR FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION; OR</p> <p>() BIDDER IS A CORPORATION NONRESIDENT VENDOR WHICH HAS AN AFFILIATE OR SUBSIDIARY WHICH EMPLOYS A MINIMUM OF ONE HUNDRED STATE RESIDENTS AND WHICH HAS MAINTAINED ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS WITHIN WEST VIRGINIA CONTINUOUSLY FOR THE FOUR (4) YEARS IMMEDIATELY PRECEDING THE DATE OF THIS CERTIFICATION.</p> <p>B. APPLICATION IS MADE FOR 2.5% PREFERENCE FOR THE REASON CHECKED:</p> <p>(X) BIDDER IS A RESIDENT VENDOR WHO CERTIFIES THAT, DURING THE LIFE OF THE CONTRACT, ON AVERAGE AT LEAST 75% OF THE EMPLOYEES WORKING ON THE PROJECT BEING BID ARE RESIDENTS OF WEST VIRGINIA WHO HAVE RESIDED IN THE STATE CONTINUOUSLY FOR THE TWO YEARS IMMEDIATELY PRECEDING SUBMISSION OF THIS BID;</p> <p>OR</p> <p>() BIDDER IS A NONRESIDENT VENDOR EMPLOYING A MINIMUM OF ONE HUNDRED STATE RESIDENTS OR IS A NONRESIDENT VENDOR WITH AN AFFILIATE OR SUBSIDIARY WHICH MAINTAINS ITS HEADQUARTERS OR PRINCIPAL PLACE OF BUSINESS WITHIN WEST VIRGINIA EMPLOYING A MINIMUM OF ONE HUNDRED STATE RESIDENTS WHO CERTIFIES THAT,</p>						

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<p>DURING THE LIFE OF THE CONTRACT, ON AVERAGE AT LEAST 75% OF THE EMPLOYEES OR BIDDERS' AFFILIATE'S OR SUBSIDIARY'S EMPLOYEES ARE RESIDENTS OF WEST VIRGINIA WHO HAVE RESIDED IN THE STATE CONTINUOUSLY FOR THE TWO YEARS IMMEDIATELY PRECEDING SUBMISSION OF THIS BID.</p> <p>BIDDER UNDERSTANDS IF THE SECRETARY OF TAX & REVENUE DETERMINES THAT A BIDDER RECEIVING PREFERENCE HAS FAILED TO CONTINUE TO MEET THE REQUIREMENTS FOR SUCH PREFERENCE, THE SECRETARY MAY ORDER THE DIRECTOR OF PURCHASING TO: (A) RESCIND THE CONTRACT OR PURCHASE ORDER ISSUED; OR (B) ASSESS A PENALTY AGAINST SUCH BIDDER IN AN AMOUNT NOT TO EXCEED 5% OF THE BID AMOUNT AND THAT SUCH PENALTY WILL BE PAID TO THE CONTRACTING AGENCY OR DEDUCTED FROM ANY UNPAID BALANCE ON THE CONTRACT OR PURCHASE ORDER.</p> <p>BY SUBMISSION OF THIS CERTIFICATE, BIDDER AGREES TO DISCLOSE ANY REASONABLY REQUESTED INFORMATION TO THE PURCHASING DIVISION AND AUTHORIZES THE DEPARTMENT OF TAX AND REVENUE TO DISCLOSE TO THE DIRECTOR OF PURCHASING APPROPRIATE INFORMATION VERIFYING THAT BIDDER HAS PAID THE REQUIRED BUSINESS TAXES, PROVIDED THAT SUCH INFORMATION DOES NOT CONTAIN THE AMOUNTS OF TAXES PAID NOR ANY OTHER INFORMATION DEEMED BY THE TAX COMMISSIONER TO BE CONFIDENTIAL.</p> <p>UNDER PENALTY OF LAW FOR FALSE SWEARING (WEST VIRGINIA CODE 61-5-3), BIDDER HEREBY CERTIFIES THAT THIS CERTIFICATE IS TRUE AND ACCURATE IN ALL RESPECTS; AND THAT IF A CONTRACT IS ISSUED TO BIDDER AND IF ANYTHING CONTAINED WITHIN THIS CERTIFICATE CHANGES DURING THE TERM OF THE CONTRACT, BIDDER WILL NOTIFY THE PURCHASING DIVISION IN WRITING IMMEDIATELY.</p>						

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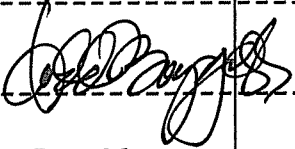
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E.T. Boggess, Architect, Inc.
101 Rockledge Avenue
Princeton, WV 24740

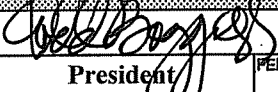
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				BIDDER: E.T. Boggess, Architect, Inc.		
				DATE: April 9, 2008		
				SIGNED: 		
				TITLE: President		
<p>* CHECK ANY COMBINATION OF PREFERENCE CONSIDERATION(S) IN EITHER "A" OR "B", OR BOTH "A" AND "B" WHICH YOU ARE ENTITLED TO RECEIVE. YOU MAY REQUEST UP TO THE MAXIMUM 5% PREFERENCE FOR BOTH "A" AND "B". (REV. 12/00)</p> <p>NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p>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>						
BUYER:				JOHN ABBOTT-----		

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LINE	QUANTITY	UOP	CAT. NO.	ITEM NUMBER	UNIT PRICE	AMOUNT
RFQ. NO.: DEFK8179----- BID OPENING DATE: 04/09/2008----- BID OPENING TIME: 1:30 PM----- PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: ----- 304-425-2028 ----- CONTACT PERSON (PLEASE PRINT CLEARLY): ----- Todd Boggess ----- ***** THIS IS THE END OF RFQ DEFK8179 ***** TOTAL: _____						

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STATE OF WEST VIRGINIA
Purchasing Division**PURCHASING AFFIDAVIT**

West Virginia Code §5A-3-10a states: 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

DEFINITIONS:

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

"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality established by a county or municipality; any separate corporation or instrumentality established by one or more counties or municipalities, as permitted by law; or any public body charged by law with the performance of a government function or whose jurisdiction is coextensive with one or more counties or municipalities. "Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceed five percent of the total contract amount.

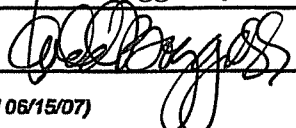
EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a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

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. Vendors should visit www.state.wv.us/admin/purchase/privacy for the Notice of Agency Confidentiality Policies.

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

Vendor's Name: E. T. Boggess, Architect, Inc.

Authorized Signature:  Date: April 9, 2008

SECTION TWO

Executive Summary

Executive Summary

E.T. Bogges, Architect Inc.

WV ARMY NATIONAL GUARD MULTIPURPOSE BUILDING Camp Dawson

High Performance Facilities – those that incorporate the very best design strategies and building technologies – are long-term, critical investments in the future of our state. They simultaneously provide better working and learning environments, cost less to operate, and help protect the environment. High Performance Facilities are healthier (superior indoor air quality); thermally, visually, and acoustically comfortable (daylighting); energy, water and material efficient (life cycle cost analysis); safe and secure; adaptable and easy to operate and maintain; and a community resources. They also incorporate environmentally responsive site planning and stimulating architecture to foster a sense of pride and accountability.

Sustainable Design is a direction in architecture that we have been practicing for many years. One member of our team has already obtained LEEDS certification and two of the architects in our office are presently studying for the test. We feel this direction in designing and constructing buildings is necessary to achieve the minimal impact on our world's natural resources. We must learn to use these natural resources in conjunction with our technology to achieve the quality and standards of life that do not destroy future generations' environments.

These directions are very cost effective when properly approached. The architect and the client need to recognize and understand that cost is measured in many ways. We must approach solutions that provide the comforts we seek and do so within restricted budgets. ETB will examine your needs and determine whether these new building technologies should be incorporated into the design. It truly is a team effort to make it work to everyone's satisfaction.

We understand that the WVARNG faces a number of challenges as they assist our citizens in the wake of natural disasters, as well as support our country's military efforts in foreign lands. The new 50,000 to 60,000 square foot, multi-use facility will go a long way to improving the opportunities that are provided at Camp Dawson.



*WVDOH District Six Office Building
Moundsville, WV*

The masonry, steel-framed structure will have an updated appearance, be functionally efficient, and provide for the integration of various advanced systems.



Executive Summary

E.T. Boggess, Architect Inc.

The facility will be designed to contain:

- Offices
- Conference Room
- Locker Rooms
- Shower Facilities
- Large Open Space (Gymnasium)

The services provided will include or allow for parking, storage, landscaping, security lighting and fencing. In addition, a unique entry design will be included. The ETB team can fully satisfy all your needs for professional services.

Our firm recognizes the importance of a major capital expenditure for the WVARNG and the necessity that all budgets and schedules are met. You will benefit from 42 years of experience designing within the confines of strict budgets and tight construction schedules. We understand the demands being placed on all government agencies as they strive to offer the necessary services to their citizens and their efforts to do so within limited budgets. We have recently been selected to design the Elkins Readiness Center for WVARNG and have gained an appreciation for the policies, procedures, and timelines that the agency faces on every project.

INTERACTIVE DESIGN

Communication, collaboration, and consensus are the three elements we feel are essential to the planning, design and building process.

The architect is responsible for the finished product, but the design process must include guidance and review by you and representatives from the various agencies. Our goal is to develop a "partnership" with our clients – a relationship that includes a long-term commitment, trust, and shared vision.

ETB believes architectural design should be an interactive process. We work closely with you to identify and define all your project goals, objectives, functions, responsibilities, and relationships. This interactive approach enables us to develop facilities that meet your requirements, as well as being aesthetically distinctive. Design cannot be mass produced or provided in a "cookie cutter" fashion, it must be developed from scratch with the unique attributes of each individual project in mind.



*Mercer County Courthouse Annex
Princeton, WV*

Utilizing the interactive design approach will best serve the needs of the WVARNG by allowing us to better identify your objectives and produce long-term solutions. Your project will be completed by emphasizing the following activities:



Executive Summary

E.T. Boggess, Architect Inc.

- **Understanding goals.** We develop objectives, organization and explore the impact your project can have on Camp Dawson and the surrounding Preston County.
- **Brainstorming ideas.** We investigate opportunities for greater service through value engineering, strategic partnering, or an alternative delivery method.
- **Assuring timelines.** We generate a management plan to fulfill deliverables and meet milestones on schedule. All team members participate in and monitor this plan.
- **Maintaining client contact.** We are accessible, convenient, and committed to success from the beginning through the design process, and after completion.
- **Inviting performance feedback.** We involve all team members and clients in project evaluation at closeout and determine how well time, cost, and design goals were met.

RESULTS

The consistent implementation of effective communication and an interactive design process throughout your project will result in a new multipurpose building that will ...

- Continue to prepare the Guard to assist the citizens of WV whenever called upon.
- Better serve the needs of the individual members of the WVARNG.
- Enable Camp Dawson to offer more opportunities for its variety of users.

Your facility will comply with the International Building Code, Life Safety Codes, all local, state and federal regulations, as well as the Americans with Disability Act (ADA). The new facility will have these standards as a natural part of the over-all design, not just an add-on for a special group of people. We will also utilize the *Army National Guard Design Guide*.

During the construction phase, we will be at the site on a regular basis and will be available by phone to answer any of your contractor's questions. We review shop drawings/submittals, and pay requests from the contractor.

We want to ensure the construction is in compliance with the design intent. Once the doors open and you occupy the building, we will remain available to assist you with start-up questions, "fine tuning and balancing" of systems required to make sure the building works specifically for the WV Army National Guard.



SECTION THREE

Team and Organizational Chart

TEAM and ORGANIZATIONAL CHART

E.T. Boggess, Architect, Inc.

The ETB Team consists of the following:

ARCHITECTURAL FIRM:

E.T. Boggess, Architect, Inc.
101 Rockledge Avenue
Princeton, WV 24740

Contact: Todd Boggess

304-425-4491 (phone)
304-425-2028 (fax)
etb@etbarchitects.com

STRUCTURAL ENGINEER:

Moment Engineers, Inc.
603 Peoples Building
179 Summers Street
Charleston, WV 25301

304-414-4000 (phone)
304-414-4001 (fax)

MECHANICAL/ELECTRICAL/ PLUMBING ENGINEERING:

CMA Engineering
824 Cross Lanes Drive
Charleston, WV 25313

304-343-0316 (phone)
304-343-5146 (fax)

CIVIL ENGINEERING:

Capitol Engineering, Inc.
111 Wyoming Street
Suite 200
Charleston, WV 25302

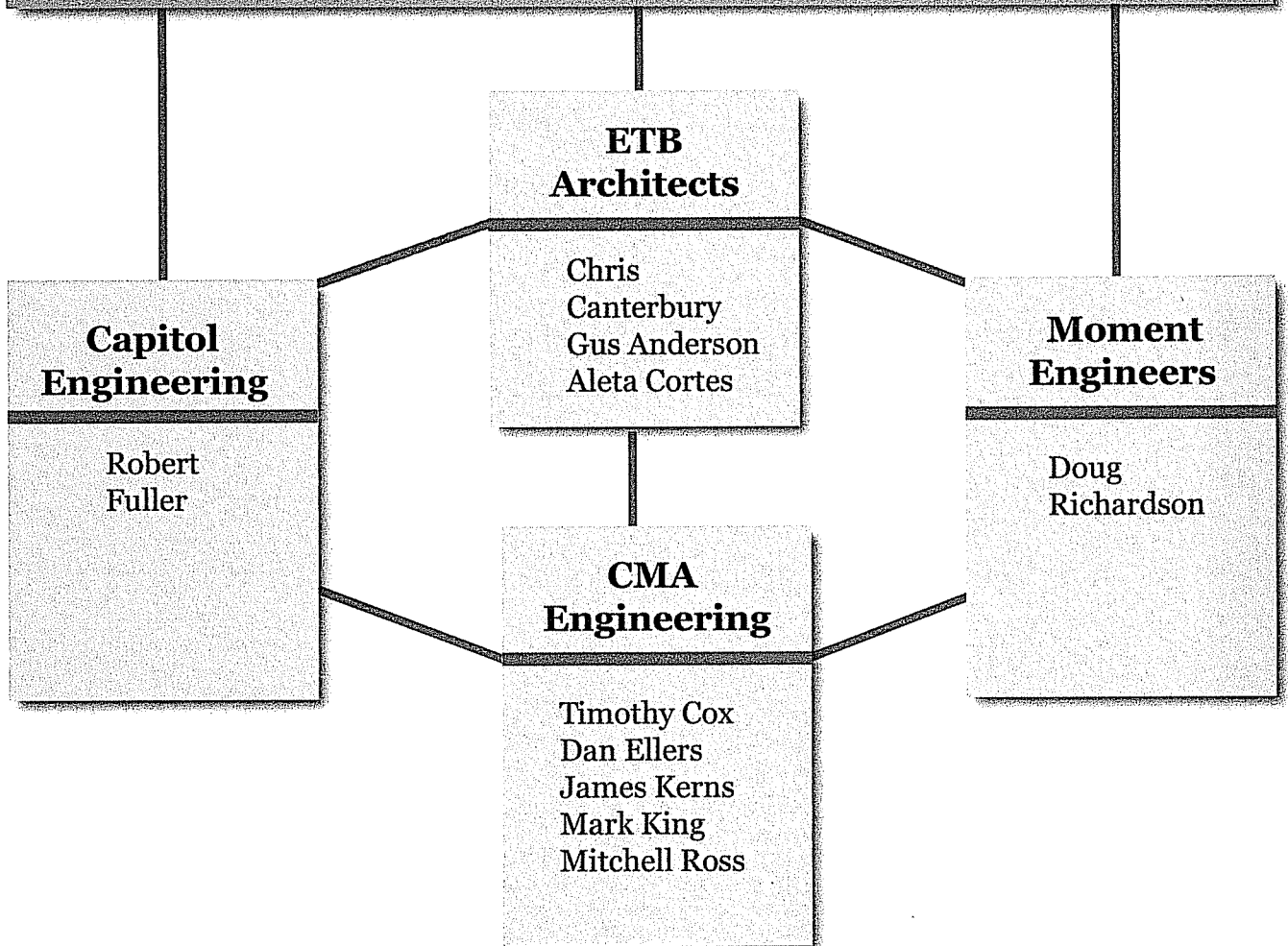
304-344-0720 (phone)
304-344-0820 (fax)



West Virginia Army National Guard



Ted Boggess, Chairman of the Board
Todd Boggess, President - Principal in Charge
Roy Morum, Project Manager



SECTION FOUR

Firm Profiles

Firm Profile

E.T. Boggess, Architect Inc.

History

E. T. BOGGESS ARCHITECT, INC., was established by E. T. "Ted" Boggess in January, 1966, in Princeton, West Virginia. Mr. Boggess continues to serve as Chairman of the Board and is responsible for business development, marketing activities, and design document review.

In 1988, Ted's son Todd received his master's degree in architecture and joined the firm full time. Todd is now President and is responsible for design development, project management, supervising the office staff, and the overall management of the corporation.

Location

Our firm is located in Princeton. Although the majority of our current projects are located in WV, we have satisfied clients reaching all the way from Michigan to Florida. We have a reputation for service to our clients regardless of the project site. The location of our firm and knowledge of our county, its people, its construction materials, its contractors, as well as its regional climatological characteristics, are all important considerations for the success of your project.

During the administration phase, our proximity to the project site will allow us to observe the work in a very efficient and cost effective manner. We will be available at a moments notice if problems occur. This will help minimize problems and allow for timely solutions.

Reputation

Our firm lives or dies by its reputation. We work for "Pride in Product" and are confirmed by the amount of repeat business we can truthfully claim.

The architects at ETB are well-respected for their high ethical standards, as well as professional and civic activities. They are frequently asked to serve as expert witnesses and arbitrators in legal disputes. They have also been selected to serve on various local, state and national committees. These committees cover areas from determining local zoning ordinances to reviewing and developing educational requirements for future architects, to preserving West Virginia's historic architecture.

Attitude

Bigger is not always better. This corporation has purposely controlled size in order to maintain personal involvement and quality control. We feel that it is important to maintain close client contact and availability to answer any needs that may arise. Limiting the number of projects we undertake also increases the importance of each and every project. Your project will not get lost in the shuffle.

Experience

Over the past 42 years, ETB has accomplished many different types of buildings in 12 different states and 1 foreign country.



Firm Profile

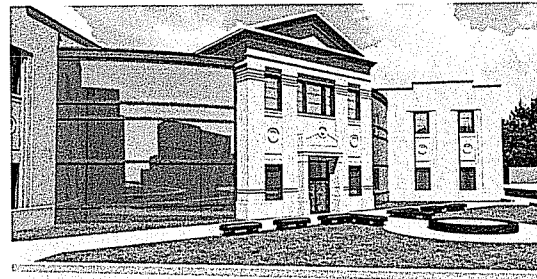
E.T. Boggess, Architect Inc.

We have not limited ourselves by focusing on one particular type of project or a single location. Instead, we choose to maintain a diverse practice which will allow us to begin your project with renewed enthusiasm. Our strength is in the delivery of appropriate and analytical solutions for complex buildings and doing so within restricted budgets and time constraints.

ETB was one of the first architectural firms in the state to implement the use of computer-aided design and drafting into the everyday practice of architecture. Today we continue to lead the industry as we utilize photorealistic imagery through computer modeling and digital photography. The building 3-D model and associated imagery can be developed early in the design process. You can then use the imagery for design approval and community presentations. We are also experimenting with the vast opportunities associated with virtual reality which allows you to actually "walk-thru" your finished building long before the foundation is laid. The WVARNG will benefit from our experience, combined with ongoing technological research and innovations.



Four Seasons Wellness Center
Tazewell, VA



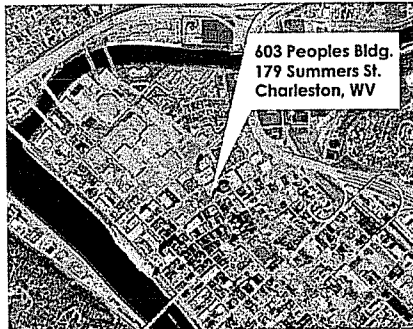
Mercer County Courthouse Annex
Princeton, WV



First Century Bank
Beckley, WV



Background



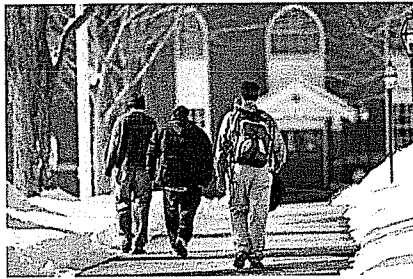
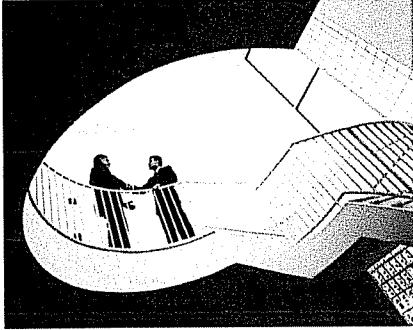
Moment Engineers, Inc. is a professional consulting firm specializing in structural engineering. We serve the architectural and building construction communities throughout West Virginia. Based in Charleston, West Virginia at 179 Summers Street, Moment Engineers was founded by Douglas Richardson in early 2005. Prior to that, Mr. Richardson was employed by ZMM, Inc., a WV architectural/engineering firm as their Senior Structural Engineer.

For more than a decade, Mr. Richardson has had sole responsibility for the structural engineering design of more than 5 million square feet of built space. The construction costs of these projects exceeded a half billion dollars. His experience, which ranges from small to very large multi-phase projects, is invaluable in providing the technical expertise and creative flexibility to deliver results in a prompt and reliable manner.

Our experience encompasses a wide variety of building types and sectors, and our expertise includes design analysis for steel, concrete, masonry, and wooden structures.



Approach



At Moment Engineers, we recognize that the architect is the primary contact for the building owner. Our role is to strengthen that relationship by producing high quality designs in a prompt and cost effective manner. To that end, we emphasize incorporating traditional and technical means of communication and data transfer to ensure a seamless integration of structural integrity and architectural creativity.

We believe that the practice of engineering is the point at which science and society meet. We also believe that the architects and builders we serve are essential in the development of the fundamental dignity of the community. Moment Engineers is strongly committed to developing structural solutions which bring permanence and strength to the expression of architectural thought.

C O R P O R A T E P R O F I L E



Clingenpeel/McBrayer & Associates,

Services

Clingenpeel/McBrayer & Associates is a West Virginia based small business firm, providing services in the areas of HVAC, plumbing, fire protection and electrical engineering. CMA's founders have long believed in the philosophy that a successful project requires a comprehensive approach. This includes all traditional facets of project planning, starting with master planning, working closely with the client, developing the completed construction documents, bidding the project and contract administration. However, our depth of expertise goes far beyond the traditional services. From developing design criteria for owners to designing the mechanical and electrical systems for the West Virginia DEP Consolidated Office Building, the first LEED certified building in the state, CMA is a proven leader in providing engineering services in the design-build delivery method.

History

Since 1986, Clingenpeel/McBrayer & Associates has provided services on numerous projects of varying size and complexity. Clients include architects, industrial companies, governmental agencies, contractors, engineers, developers and private organizations. Project locations include West Virginia, Virginia, Ohio, Kentucky, Maryland, Pennsylvania, California and Connecticut.

Commitment

Clingenpeel/McBrayer & Associates' submittal is based on your needs and our experience. Our firm has the experience, service and quality work to create a successful project. We are committing senior design professionals in order to assure you receive top priority. We have extensive experience with projects of this nature. Examples of projects for which we were the Engineer are listed in this proposal.



From an initial staff of five employees in 1986, the company has steadily grown and now has two offices with a staff of eleven which includes two professional engineers and two engineers-in-training. Facilities and equipment have grown to support CMA's staff and client's needs.

In 1987, computer aided drafting stations were added to provide the best quality and engineering services for our clients. We are currently operating AutoCad 2008. Our firm is constantly monitoring the latest technology, the cost effects and the end results to the final project.

Present staffing allows CMA to complete work in a timely manner without limiting our ability to perform our ongoing work. The staff of CMA is large enough to handle any size project, yet small enough for direct input and supervision by key personnel.

EXPERIENCE

Previous Five Years	
Projects:	606
Construction Costs	
MEP Costs:	\$217,323,350
Total Costs:	\$658,555,605



Clingenpeel/McBrayer & Associates, Inc.

824 Cross Lanes Drive
Charleston, West Virginia 25313
(304) 343-0316 tel
(304) 343-5146 fax

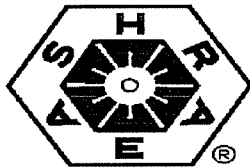
5 Riddle Court
Morgantown, West Virginia 26505
(304) 598-2558 tel
(304) 598-2472 fax



Building Officials Code Administration (BOCA)



American Consulting Engineers Council (ACEC)



American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc., (ASHRAE)



National Fire Protection Association (NFPA)



MasterSpec Specifications (ARCOM)



WV Society of Healthcare Engineers (WVSHE)



Leadership in Energy & Environmental Design (LEED)

Professional Affiliations



U.S. Green Building Council (USGBC)



American Institute of Architects— WV Chapter Affiliate Member (WVAIA)



Contractors Association of WV (CA)



North American AutoDesk Users Group International (NAUGI)



American Society Of Plumbing Engineers (ASPE)



The LIGHTING AUTHORITY

Illuminating Engineering Society (IES)



Business Partner



Introduction

Capitol Engineering, Inc. (CEI) proposes to perform civil engineering and surveying services for the West Virginia National Guard to develop engineering plans and specifications for the multi-purpose building at Camp Dawson. We have experience planning, designing, specifying, preparing contract documents, bidding and performing contract administration on many types of military facilities including Readiness Centers, Airfields, Training Areas and Ranges. Our experience and resources give us the ability to handle both complex and routine projects.

Why CEI?

CEI offers the highly specialized experience, attention to minute detail, and the unparalleled level of personal client support provided by a small boutique firm. We are particularly attractive because:

- Our management, engineering and professional staff has a combined total of over 120 years of experience – much of it acquired while working on military facilities.
- Staff has participation and completion of 15 National Guard projects in West Virginia.
- Management team has 30+ years and over 50 projects total specialized experience providing timely, cost effective construction documents for military facilities.
- Experience to successfully handle all design situations and problem types anticipated to occur under this contract.
- Construction and Facilities Maintenance Office satisfaction with prior work/projects performed by key staff members.



CEI Overview

Capitol Engineering is a locally owned consulting engineering firm founded in 1999. CEI has steadily grown since its inception with three employees. CEI possesses in-house services in civil, environmental and mining engineering, contract administration, and surveying and mapping. Our staff is made up of two Professional Engineers, a Professional Surveyor, Project Engineers and Scientists, CAD Operators, Technicians, and administrative personnel. Our client base is comprised of contractors, architects, engineers, developers, private industry, and federal and state agencies. A complete list of services is as follows:

Civil Engineering

*Geotechnical Engineering
Project Management
Rail Siding Design
Roadway Design
Site Development & Grading Plans
Siting Studies
Slope Stability Analysis
Stormwater Systems
Wastewater Treatment Systems*

Environmental Engineering

*Environmental Due Diligence
Environmental Site Reviews
Erosion & Sedimentation Control
NPDES, GPCC, SPCC Plans
Solid Waste & Landfill Design
Stormwater Management Plans*

Construction Administration

*Bid Analysis & Management
Construction Observation
Damage Settlement
Submittal Review*

Surveying & Mapping

*Control Surveys
Floodplain Studies
GPS Surveys
Mineral Reserve Surveys
Planimetric Surveys
Quantity Determination Surveys
River & Lake Soundings
Topographic Survey*

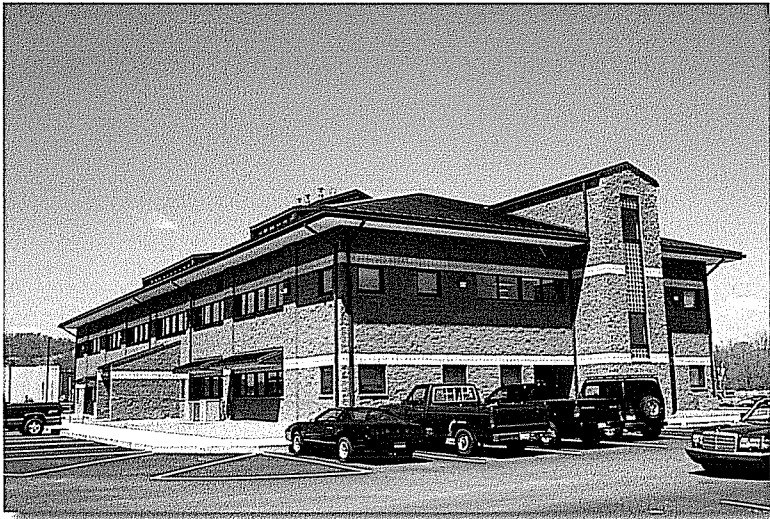
Mining Engineering

*Abandoned Mine Land Reclamation
Acid Mine Drainage Passive Treatment
Geologic & Hydrologic Evaluations
Mine-Related Subsidence Investigations
Mining Permits, Modifications, & IBR's
Reclamation Liability Audits
Surface Mine Surveying & Mapping*

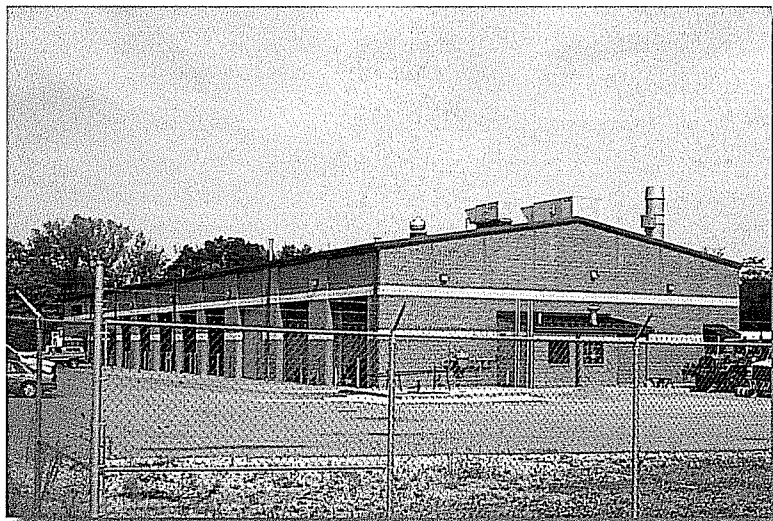


SECTION FIVE

Projects



Office Building



Maintenance Building

West Virginia DOH District 6 Complex

The District 6 Complex at Moundsville will bring together district functions that were previously scattered in several locations throughout the county, onto a single campus-like setting/site.

Facilities that will make up this complex include the office building, and the recently completed maintenance shop. The maintenance shop includes modern repair bays for trucks and equipment, weld, prep, wash and paint bays, office areas, parts and general storage.

ETB has also completed the design for a bridge & sign shop and it is currently under construction. The lab building will be bid and constructed in the future.

E.T. Boggess, Architect, Inc.

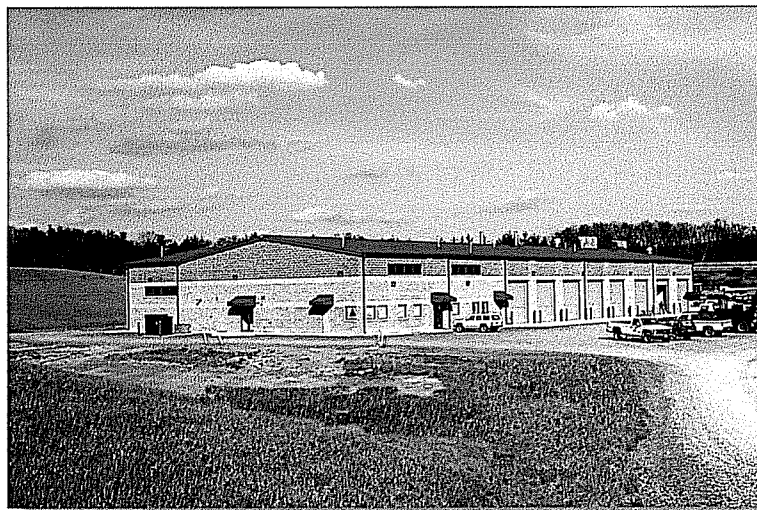




Total Complex



Office Building



Maintenance Building

West Virginia DOH District 10 Complex

The District 10 Complex at Gardner brings together district functions that were previously scattered in several locations throughout the county, onto a single campus-like setting/site. Facilities that make up this complex include the office building, the bridge & sign shop, and the maintenance shop (which includes modern repair bays for trucks and equipment, weld, prep, wash and paint bays, office areas, parts and general storage). ETB also completed the design of a lab building that has also been constructed.

Cost: \$ 5.5 mil
Office: 27,791 sf
Maint: 18,488 sf
B & S: 16,820 sf

E.T. Boggess, Architect, Inc.





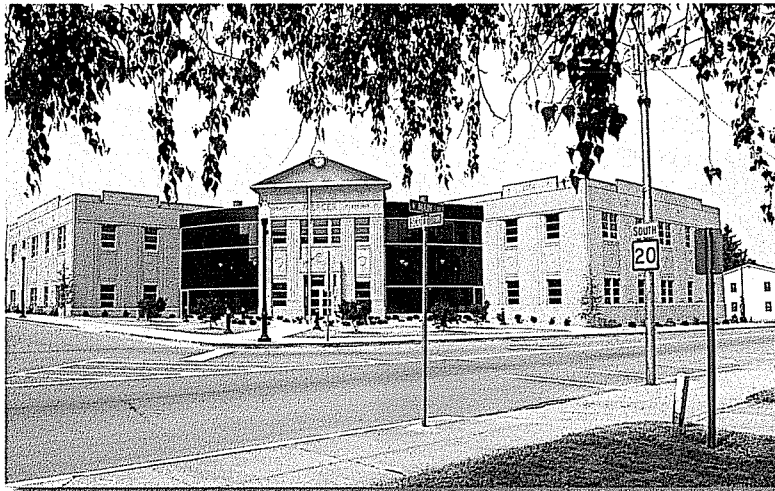
Mercer County Courthouse Annex

Princeton, WV

The Courthouse Annex designed by ETB for the Mercer County Commission was completed in July, 2005. The new facility houses the magistrate's offices, prosecuting attorney, family law master, and juvenile probation.



ETB contacted the WV Supreme Court's deputy director of technology, Kit Thornton, early on in order to ensure the equipment, wiring, and security will satisfy the demands of the court system. According to Mr. Thornton, the annex will be **"one of the nicest, most technically advanced judicial facilities in the state."**



The annex was designed to compliment the surrounding architecture of both the courthouse and the historic Memorial Building.

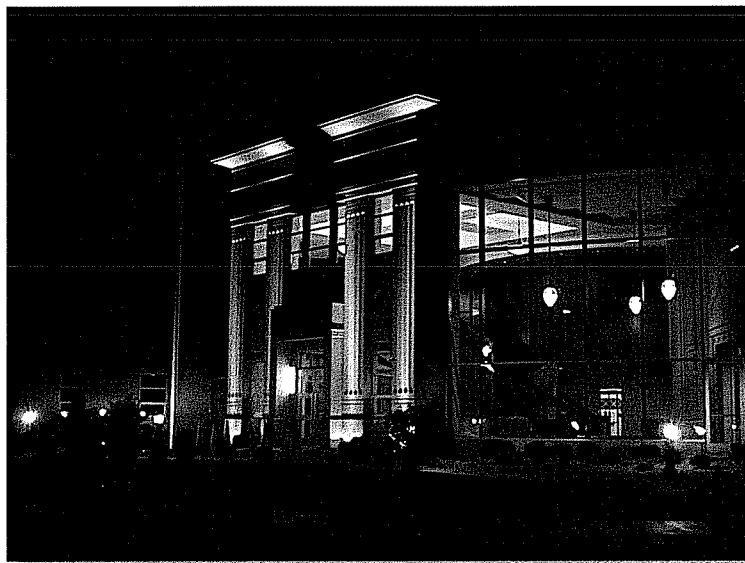
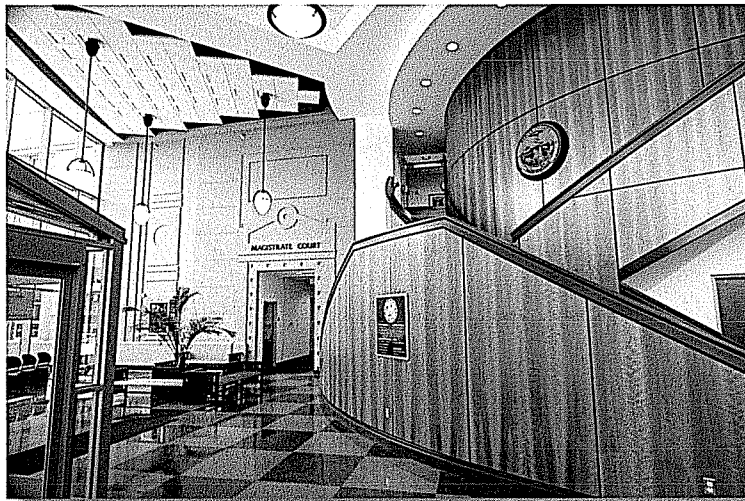
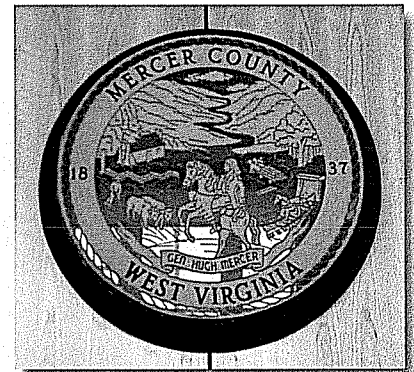


Size: 36,000 sf
Cost: \$5,190,480

E. T. Boggess, Architect, Inc.

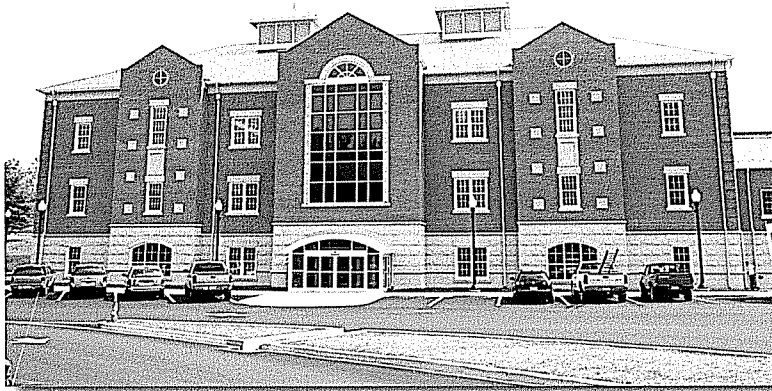


Mercer County Courthouse Annex



E.T. Boggess, Architect, Inc.



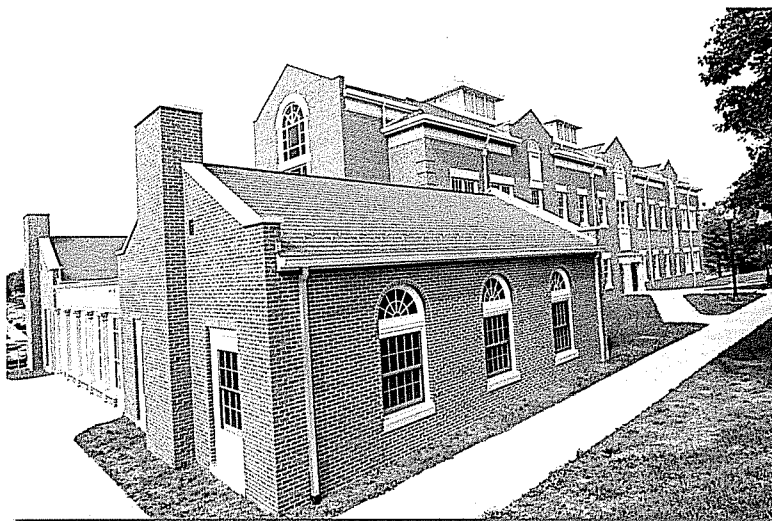


Concord University Rahall Technology Center

Athens, WV



E.T. Boggess, Architect, Inc., designed the \$9.8 million dollar, state-of-the-art technology center for Concord University. The project reuses a small part of the remaining historic White Hall.

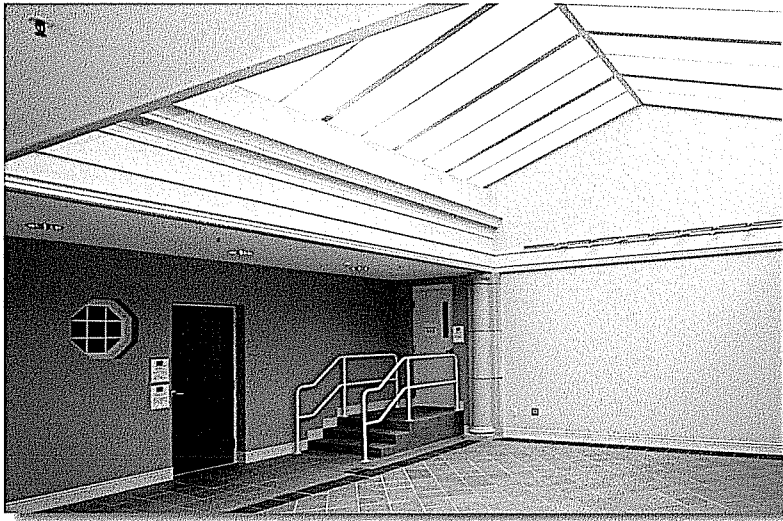


The addition/renovated facility offers tiered/multi-media classrooms, specialty computer labs, a traditional teaching darkroom with digital imagery lab, general technology-enhanced classrooms, and distance education technologies. Various campus offices have also been relocated to the technology center.

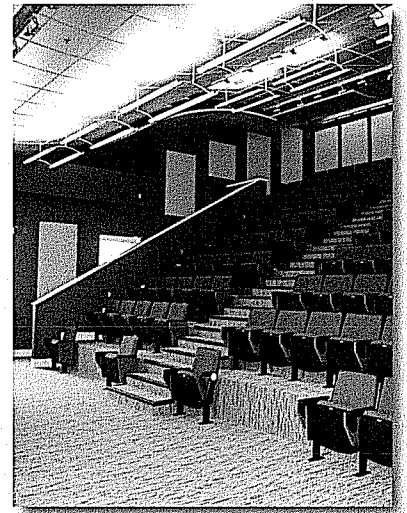
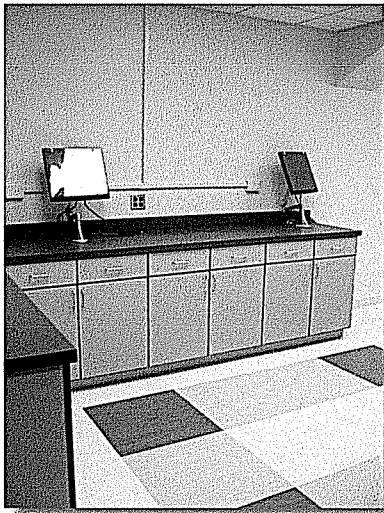
Size: 45,975 sf
Cost: \$9,794,000



E.T. Boggess, Architect, Inc.

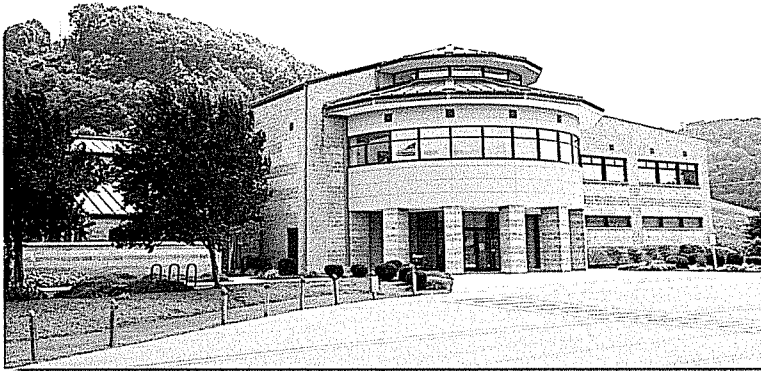


Concord University Rahall Technology Center



E.T. Boggess, Architect, Inc.





Exterior View



Pool Area w/ Skylite Roof



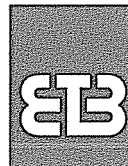
View of Exercise Rotunda

Princeton Health and Fitness Center

The design of the Princeton Health & Fitness Center for the Princeton Community Hospital Foundation is represented with the combination of various contributing factors; physical, psychological and social, into a dynamic balance that stimulates emotions through architectural tools of light, rhythm, and structure. The use of these tools, relating to the diversity of the many activities, motivate the user in his quest for achieving and maintaining optimum health.

Cost: \$3.2 mil
Size: 38,500 sf
Members: 5600+

E.T. Boggess, Architect, Inc.





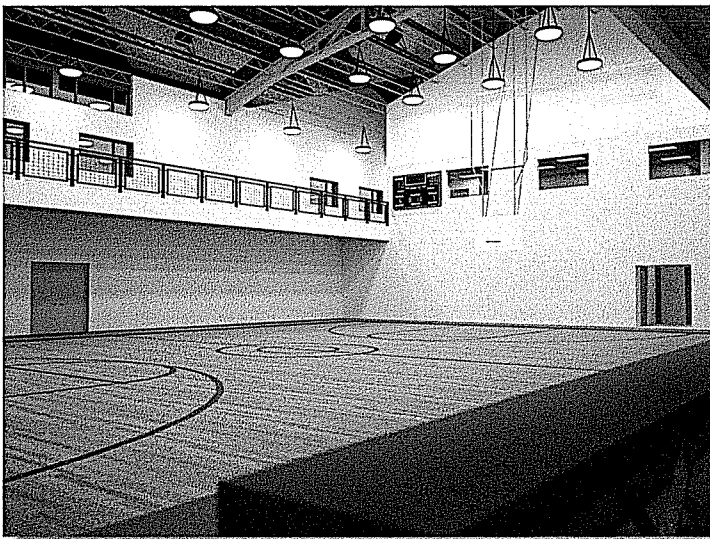
Four Seasons Wellness Center

Tazewell, VA

E.T. Boggess, Architect, Inc., is currently finalizing the construction documents for the Four Seasons Wellness Center for Tazewell Community Hospital. The 37,686 SF, two-story facility includes a pool enclosure with sides that can be raised/lowered depending on the weather.



A few planned amenities of the center are after-school programs, aerobics classes, gymnasium, physical therapy, cardiovascular equipment with "cardio-theater", walking/running track, free-weight areas, daycare center, and meeting space/multi-use community rooms.



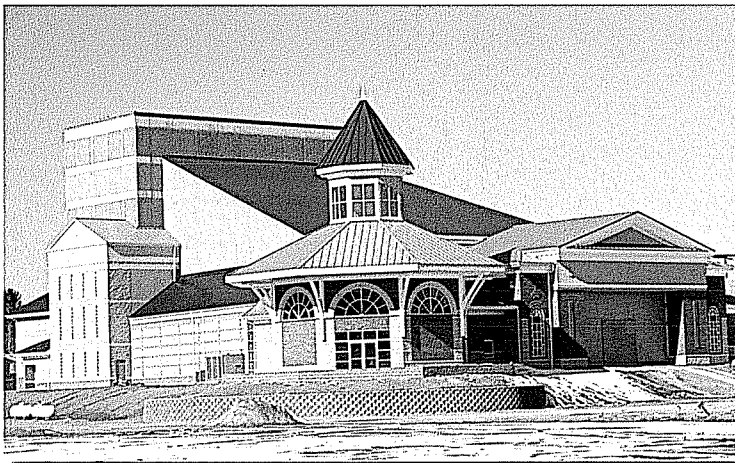
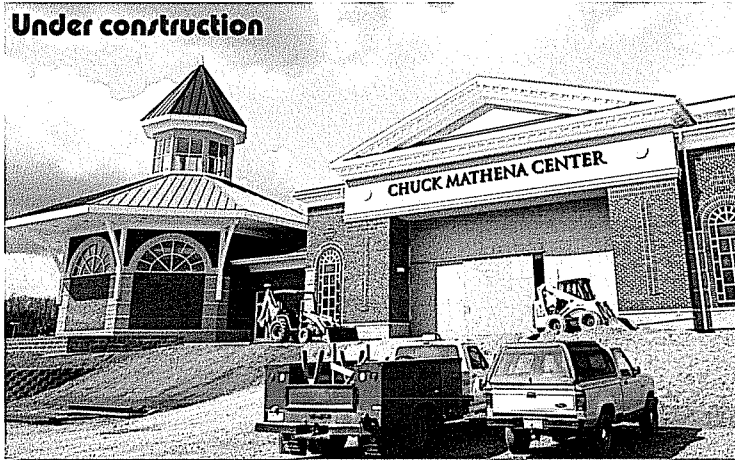
E. T. Boggess, Architect, Inc.



HKS

CHARLES T. "CHUCK" MATHENA II
FOUNDATION INC.
"Excellence in Education"

Under construction



Chuck Mathena Center

Princeton, WV

The Chuck Mathena Center is dedicated to serving the Four Seasons region for the presentation of the performing and visual arts, for outreach & educational opportunities, and for service to community gatherings and events.

The Center includes a 1,000 seat auditorium, gallery/display/multi-use areas, administration, service, and back of house areas. The imposing entrance to the building houses the main lobby and the rotunda, which include provision for conferences, functions, indoor/outdoor art exhibitions, etc. The auditorium, stagehouse and back of house areas are designed to international standards to attract symphony orchestras and full-stage Broadway productions. The flexibility of the design allows for up to three separate functions to be hosted at one time -- an art exhibit, a performance, and a private gathering can all be held in separate areas.

The ETB team for this project included the "world renown" George C. Izenour Associates Theater Consultants.

E.T. Boggess, Architect, Inc.



Cost: \$8.5 mil
Size: 42,000 sf

Projects

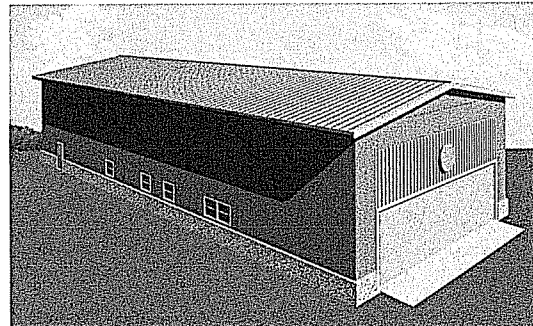
E.T. Boggess, Architect Inc.

Governmental - New Construction:

- Mercer County Courthouse Annex, Princeton, WV
- U.S. Social Security Offices for the GSA
Welch, WV
Williamson, WV
Bluefield, WV
- West Virginia Tourist Information Center, Princeton, WV
- WVDOH District 10 Headquarters Complex
Office Building
Maintenance Building
Bridge/Sign Shop
Lab Building
Gardner, WV
- WVDOH District 6 Headquarters Complex
Office Building
Maintenance Building
Bridge/Sign Shop
Moundsville, WV
- Princeton Railroad Museum (Historical Re-creation), Princeton, WV
- Coal Interpretive Museum (Historical Re-creation), Bramwell, WV
- Mercer County Civil Air Patrol Hanger and Headquarters, Bluefield, WV

Governmental - Renovations:

- Princeton Public Library (Historical Renovations), Princeton, WV
- Nicholas County Judicial Annex, Summersville, WV
- Pipestem State Park Conference Center (Addition), Pipestem, WV
- Beckley Financial Center – IRS Offices for the GSA, Beckley, WV



Mercer County Civil Air Patrol Hanger



Projects

E.T. Boggess, Architect Inc.

Recreational/Health & Fitness:

- Princeton Health & Fitness Center, Princeton, WV
- Four Seasons Wellness Center, Tazewell, VA
- Mercer School Multi-purpose/Gym, Princeton, WV
- Straley School Multi-purpose/Gym, Princeton, WV
- HealthSouth's Southern Hills Outpatient Center, Mercer Mall, Bluefield, WV
- Senior Center for Mercer County Commission on Aging, Princeton, WV
- Princeton Recreation Center, Princeton, WV
- Princeton Recreation Complex, Princeton, WV
- Hatfield/McCoy Trailhead Facility, Ashland, WV
- Ashland Campground KOA Cabins, Ashland, WV
- Equestrian Park Feasibility Study, Mercer County, WV
- Bluefield Recreational Facilities Renovations, Bluefield, WV

... *Health & Fitness Center, with gym, pool, and locker rooms*

... *Health & Fitness Center, with gym, pool, and locker rooms*

... *Multi-use facility w/gym*

... *Multi-use facility w/gym*

... *Rehabilitation gym, therapy pool*

... *Multi-use facility*

... *Recreation facility*

... *includes 6,000 seat football stadium, minor league baseball field, soccer field, practice football field, tennis courts*

... *Storage & restrooms*

... *Cabins*

... *Feasibility Study*

... *Renovations to football field, tennis courts, offices*

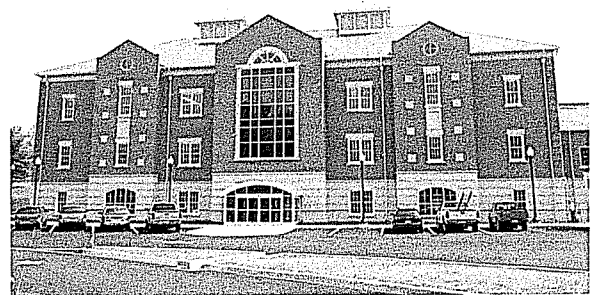


Projects

E.T. Boggess, Architect Inc.

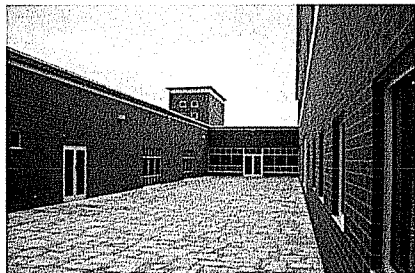
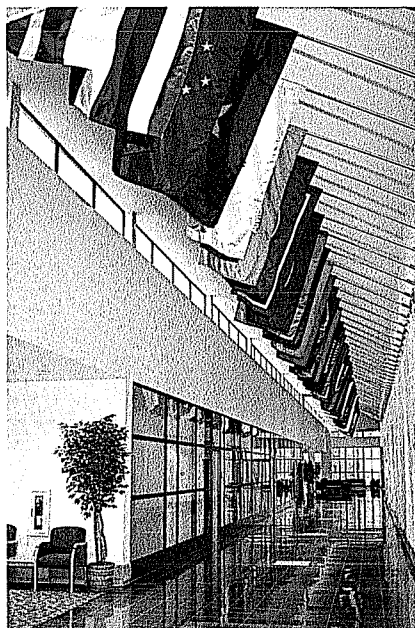
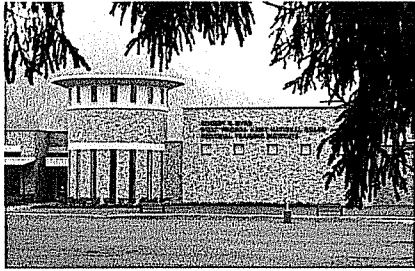
Educational:

- Concord University Rahall Technology Center, Athens, WV
- Bluefield State College Technology Center Feasibility Study, Bluefield, WV
- Bluefield State College Conley Hall (*Renovations*), Bluefield, WV
- Princeton High School Little Theater (*Renovations*), Princeton, WV
- Bluefield High School Performing Arts Center (*Addition*), Bluefield, WV
- Panther/Iaeger Elementary School, Panther, WV
- Mathena Cultural Arts Center, Princeton, WV
- Mercer School Multi-purpose/Gymnasium, Princeton, WV
- Straley School Multi-purpose/Gymnasium, Princeton, WV
- Valley View 7th Day Adventist School Multi-purpose Building, Green Valley, WV
- Bluefield College Library (*Addition*), Bluefield, VA
- Bluefield College Golden Dome Gymnasium, Bluefield, VA
- Warner Southern College, Lake Wales, FL
 - Gymnasium
 - Administration/Classrooms
 - Girl's Dorm
- Mountain Mission School, Grundy, VA
 - Master Planning
 - Gymnasium (Renovation)
 - Vocational/Arts Center
 - Administration Building
 - Chapel (Remodeling)
 - Computer Lab
 - Classroom Building
 - Library
 - Faculty Housing/Visitor's Dorm
 - Girl's Dorm and Dining Facility for 450
 - Boy's Dorm
 - Soccer/Track Field Complex



Rahall Technology Center at Concord University





West Virginia Army National Guard Project Experience

Douglas Richardson has provided the structural engineering and design for the following projects:

Robert C. Byrd Regional Training Institute -
Camp Dawson, WV

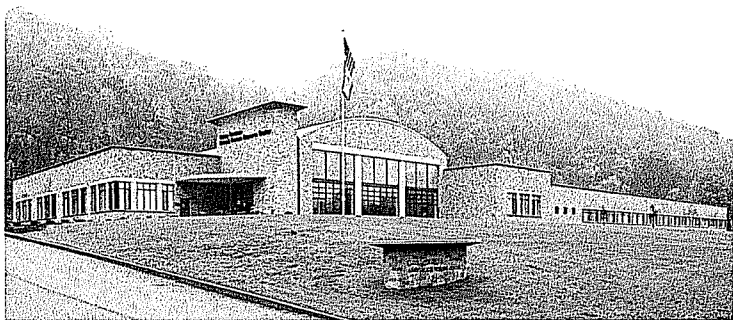
Armed Forces Reserve Center - Camp Dawson, WV

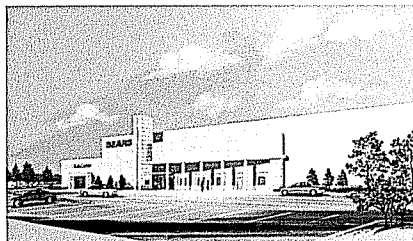
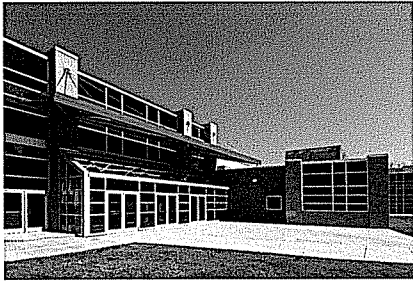
Armed Forces Reserve Center - Glen Jean, WV

Construction & Facilities Management Office -
Charleston, WV

Mountaineer Challenge Academy - Camp Dawson, WV

These five facilities total over 368,000 square feet of built space, and each serves as a outstanding example of how a military structure can enhance the readiness of the units they support while also contributing to the local, state and national communities in which they are located. The structural systems utilized include steel frames, reinforced concrete and masonry, load bearing cold-formed steel studs, and long span steel joists.





Additional Project List

In addition to these WVARNG projects, Mr. Richardson's experience includes a wide variety of new building design and existing building analysis. The list below is a small sample of the projects for which Douglas Richardson has had responsible charge of the structural engineering, design and contract document production. A more extensive list is available upon request.

<u>Project</u>	<u>Sq. Ft.</u>
Barboursville Elementary School	63,947
Greenbrier East H.S. Renovations & Additions	205,057
Lincoln Co. High School	216,500
Wayne Co. Spring Valley High School	175,000
St. Albans High School	172,600
Dunbar Primary Center School	14,100
Judge Donald F. Black Courthouse Annex	37,000
WV Hospital Association Office Building	29,710
Cabell West Elementary School	55,788
Capital State Bank	4,088
Kappa Alpha Fraternity House, WVU	14,000
Sears, Chesterfield Mall, Richmond VA	146,980
Sears, Loudon VA	132,600
Alderson Federal Prison Dormitory	60,625
Western Juvenile Detention Center	29,015
Cacapon State Park Addition	9,842
Lewisburg United Methodist Church	12,800
Kroger Store Renovation, Kanawha City	15,427
Goodwill Industries Renovation and Addition	15,460

Project Profiles

New Construction

Design of mechanical, electrical, plumbing, fire protection and communication systems

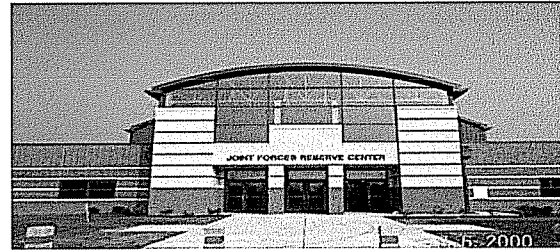
WVANG Eleanor Maintenance Center

CMA Engineering provided mechanical, electrical and plumbing, design services for a 132,000sf maintenance facility to house combined support maintenance shop and Class IX USPFO warehouse. CMA has continued to provide engineering services for the addition of the paint booth, entrance guard house, MCOFT pad, and covered storage.



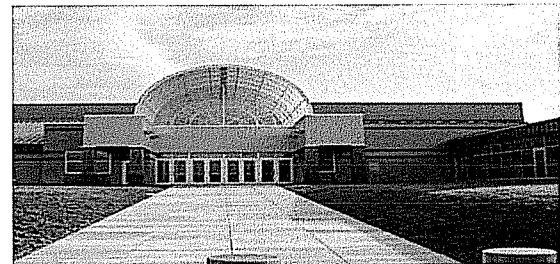
WVANG Eleanor Readiness Center

CMA Engineering provided engineering services for the design of mechanical, electrical and plumbing systems for the new 80,000sf readiness center, including a 16,000sf section that is utilized by the United States Navy.



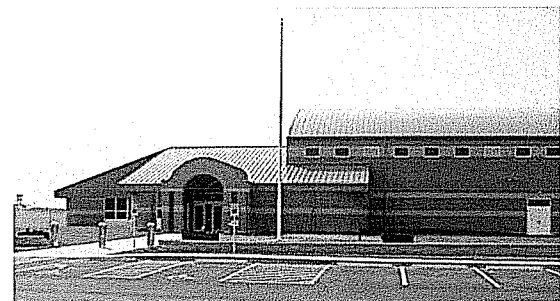
WVANG Summersville Readiness Center

CMA Engineering provided engineering services for the design of mechanical, electrical and plumbing systems for the 42,000sf readiness center. This facility also features areas for use by the City of Summersville for events throughout the year.



WVANG Lewisburg Readiness Center

CMA Engineering provided mechanical, electrical and plumbing design services for a 37,000sf readiness center that includes a vehicle maintenance bay.



CMA
ENGINEERING

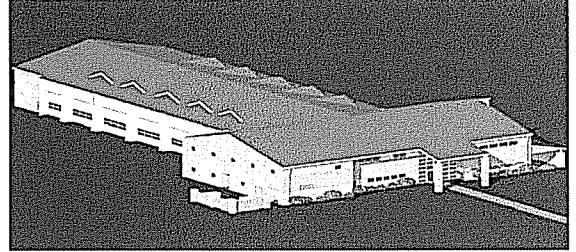
Project Profiles

New Construction

Design of mechanical, electrical, plumbing, fire protection and communication systems.

WVANG-Fire Station

CMA Engineering is currently providing design services for the HVAC, plumbing, fire alarm, fire sprinkler, communications systems, lighting and electrical power for the design/build of the new approximately 21,000sf fire/crash/ rescue station in Charleston, WV.



New Randolph County 911 Center

CMA has just completed design services for HVAC, plumbing, fire alarm, fire sprinkler, electrical and communications systems for the new 12,000sf facility.



Harrison County 911 Center

CMA Engineering provided mechanical, electrical, plumbing, fire alarm, fire sprinkler and communication systems design services.



New Raleigh County 911 Center

CMA is currently providing design services for HVAC, plumbing, fire sprinkler/alarm systems, data and communication and electrical power for the new Emergency Operation Center in Raleigh County.



Project Profiles

New Construction

Design of mechanical, electrical, plumbing, fire protection and communication systems.

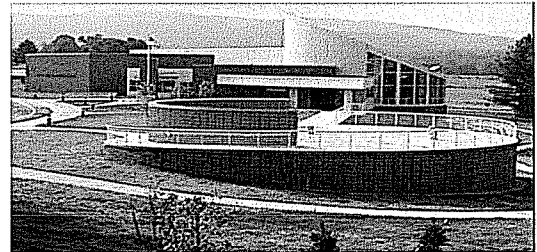
Mylan Pharmaceuticals

CMA Engineering provided mechanical, electrical, plumbing and fire protection systems design for new corporate office in Morgantown, WV. CMA Engineering is currently providing engineering services for the 425,000sf addition to the plant facility.



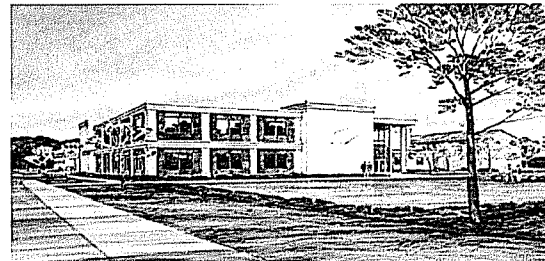
NRAO Greenbank Observatory Visitor's Center

CMA Engineering provided mechanical, electrical, plumbing, fire protection and communication systems design for new visitor's science center.



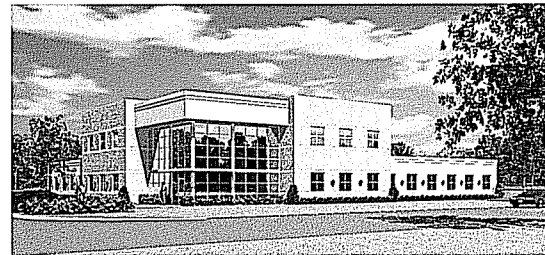
St. Albans Community Center

CMA Engineering provided design for HVAC, plumbing, fire sprinkler, fire alarm systems, communication systems, lighting and electrical power for new 26,900sf community center which included gymnasium, wrestling room, fitness room, locker rooms and an open area for aerobics, dance and gymnastics.



Go-Mart Office Building

CMA provided mechanical, electrical and plumbing design services for the new 13,000sf corporate office building in Gassaway, WV.



Residence Halls-University of Charleston

CMA Engineering provided mechanical, electrical, plumbing and fire protection design services for the design/build of two new four-story Dormitories, constructed during the summers of 2004 and 2005. In 2006, CMA provided design for the addition of a wing to the second dormitory to be built during the summer break.



PROJECT EXPERIENCE

Project Title
Summersville Readiness Center
Site and Civil Design

Site Location
Summersville, Nicholas County, WV



Project Description

The Summersville Readiness Center Project included a Readiness Center, a Civic Arena and Conference Center, and a unit maintenance shop. The complex consists of over 70,000 square feet of heated space, additional unheated storage and approximately 21,000 square yards of rigid and flexible paving. The facility occupies a 35-acre tract behind the Northside Center in Summersville, Nicholas County. Capitol Engineering, Inc. (CEI) was selected to perform all aspects of the site investigation. Capitol Engineering, Inc. (CEI) performed all of the site investigation and site/civil design aspects of the project.

The project includes the following major design elements:

1. Utilities
 - a. Water line extension
 - b. Sanitary sewer system
 - c. Existing gas line relocation
 - d. Gas, electric, telephone and cable television service
2. Access roads and vehicle facilities
 - a. 11,000 SY Concrete paving
 - b. 10,000 SY Asphalt paving
 - c. Vehicle wash facility
 - d. Fuel storage and dispensing system
 - e. Multiple secure motor pool areas
 - f. Multiple POV parking lots
 - g. Multiple access roads
3. General site features
 - a. Earthwork and erosion control
 - b. Storm drainage system and detention facility
 - c. Security fencing/Force protection measures
 - d. Outdoor training area

The project included the following site investigation elements:

1. Preliminary engineering, planning, and field reconnaissance
2. Surveying and mapping
3. Geotechnical investigation and laboratory testing
4. Easement and right-of-way acquisition

PROJECT EXPERIENCE



Project Title
Lewisburg Readiness Center
Site and Civil Design

Site Location
Lewisburg, Greenbrier County, WV

Project Description

The Lewisburg Readiness Center Project included a Readiness Center and a unit maintenance shop. The complex consists of over 38,000 square feet of heated space, additional unheated storage and approximately 12,000 square yards of rigid and flexible paving. The facility occupies a 22 acre tract in the Airport Industrial Park near Lewisburg, Greenbrier County. Capitol Engineering, Inc. (CEI) performed all of the site investigation and site/civil design aspects of the project.

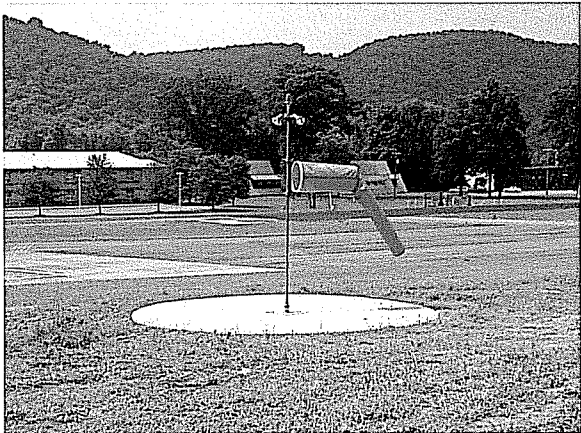
The project included the following major design elements:

1. Utilities
 - a. Water line, extension
 - b. Sanitary sewer system
 - c. Gas service extension
2. Access roads and vehicle facilities
 - a. 7,000 SY concrete paving
 - b. 5,000 SY asphalt paving
 - c. Vehicle wash facility
 - d. Fuel storage and dispensing system
 - e. Multiple access roads
3. General site features
 - a. Earthwork and erosion control
 - b. Storm drainage system and detention facility
 - c. Security fencing / force protection measures
 - d. Outdoor training area

The project included the following site investigation elements:

1. Preliminary engineering, planning, and field reconnaissance
2. Surveying and mapping
3. Geotechnical investigation and laboratory testing
4. Karst / geological investigation
5. Utility easements

PROJECT EXPERIENCE



Project Title
Camp Dawson
Runway Extensions

Site Location
Kingwood, Preston County, WV

Client:
WVARNG – FMO, Charleston, WV

Project Description:

Capitol Engineering, Inc. was selected by the WVARNG to perform the renovation/upgrade of Dawson Army Airfield. The project involved a 350' paved extension for take offs, a 650' paved extension for emergency runout, lighting and marking replacement, and the installation of a Precision Approach Path Indicator (PAPI) system. The site investigation involved an evaluation of the existing lighting system, a geotechnical investigation, and surveying and mapping. CEI prepared construction documents and provided full construction administration of the project.



PROJECT EXPERIENCE



Project Title

AASF #1
Apron Expansion/Rehabilitation
and Taxiway Replacement

Site Location

Wood County Airport
Parkersburg, West Virginia

Client

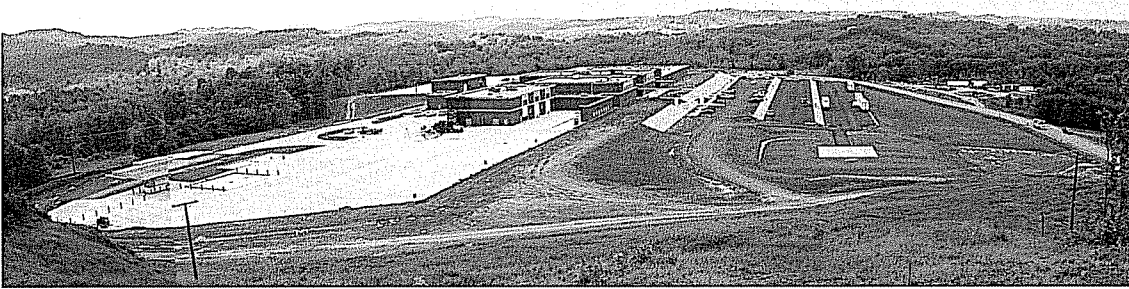
WVARNG – C&FMO, Charleston, WV

Project Description

Capitol Engineering, Inc. (CEI) was selected by the West Virginia Army National Guard to perform upgrades and renovation of the Army Aviation Support Facility #1. The project involves replacement of the existing taxiway, rehabilitation of the existing concrete apron, and expansion of the apron. Site investigation services included surveying and mapping, inspection of existing facilities, and a limited geotechnical investigation to support pavement design for the taxiway. CEI prepared design and construction documents for this project.



PROJECT EXPERIENCE



Project Title
Glen Jean AFRC
Site and Civil Design

Site Location
Glen Jean
Fayette County, WV

Project Description

The Glen Jean Armed Forces Reserve Center Project included a Readiness Center, a Military Entrance and Processing Station (MEPS), and an Organizational Maintenance Shop (OMS). The complex consists of over 100,000 square feet of heated space, additional unheated storage and approximately 32,000 square yards of rigid and flexible paving. The new facility occupies a 35 acre tract on a former strip mine near Glen Jean in Fayette County. Capitol Engineering, Inc. (CEI) performed all of the site investigation and site/civil design aspects of the project, as well as construction administration for the sitework.

The project included the following major design elements:

1. Utilities
 - a. Water line, booster station, and storage tank
 - b. Sanitary sewer system
 - c. Existing gas line relocation
 - d. Gas, electric, telephone and cable television service
2. Access roads and vehicle facilities
 - a. 21,000 SY Concrete paving
 - b. 11,000 SY Asphalt paving
 - c. Vehicle wash facility
 - d. Fuel storage and dispensing system
 - e. Multiple secure motor pool areas
 - f. Multiple POV parking lots
 - g. Multiple access roads
3. General site features
 - a. Earthwork and erosion control
 - b. Storm drainage system and detention facility
 - c. Security fencing/Force protection measures
 - d. Outdoor training area

The project included the following site investigation elements:

1. Preliminary engineering, planning, and field reconnaissance
2. Surveying and mapping
3. Geotechnical investigation and laboratory testing
4. Mine subsidence investigation
5. Utility and construction easements

SECTION SIX

Scope of Services and Approach

Scope of Services and Approach

E.T. Boggess, Architect Inc.

SCOPE OF SERVICES

The ETB team of professional consultants can provide the WV Army National Guard with the following services:

- Architectural Design
- Civil Design
- Structural Design
- Mechanical Design
- Electrical Design
- Landscaping Design
- Interior Design
- Computer Visualization
- Project Website

PROJECT WEBSITE

As a service to the client and for the sake of efficiency, ETB creates an online (secured and password protected) website for each project which functions as a project management tool. The site gives the project team direct access to project information and we consider that effective communication thru Knowledge Management is the key to the success of the project. The site has the following main information areas which may be expanded or adapted to meet the particular needs of the project:

Home Page

General information such as project description site location and site information.

Navigation Map

An outline of the Site Navigation structure.

Administration

All the latest administration documentation will be kept here, such as:

- Site Minutes
- Status Reports
- Field Inspection Reports
- Change Orders

Communication

This page provides all the latest contact details of the parties involved in this Project. The sub-sections include:

- Contact List
- Communications
- Discussion Group
- E-mail interface

Project Schedule

The latest version of the following will be kept here:

- Project Schedule
- Project Milestones
- Project Meetings/
Calendar
- Current Site Weather
conditions

Graphics

The Graphics page will provide an interface to view to Concept Models etc.

- Concept Graphics.
- Site Images.
- Job Camera
- Rendered Images.

Data

This is the working area of the Web-Site and will include an interface for Transfer of documents via FTP. The sections include:



Scope of Services and Approach

E.T. Boggess, Architect Inc.

- Drawings Index & Revisions. (The latest revisions are always shown on this index.
- Specifications & Keynotes.
- LEED Documentation,
- Drawings.(In CAD and PDF format)

Help Documents

This page will provide assistance on any issue related to the Project and the Web-Site. Software required for the use of this site (such as drawing viewers) can also be downloaded here.

This method has proved most successful on our projects – keeping the client and the team members well informed and insuring that the latest information is always readily available. The website is designed to be easily readable on a smart phone or PDA.

APPROACH

The services listed above will be accomplished in steps or phases beginning with Pre-Design/Planning, then Schematic Design Phase, followed by Design Development Phase. Once you approve the final design, we start the Construction Documents Phase, then proceed to the Bidding Phase, and, finally, the Construction Administration Phase. The information that follows will help you understand each phase.

Pre-Design/Planning

Our team's services in this first critical phase will lay the groundwork to clarify project goals and design issues. We have no preconceptions and will work to answer your project needs as we define them together. We want to ensure that the project reflects the values of the WVARNG.

Services/tasks include . . .

- Determine project goals and design objectives.
- Identify project constraints and opportunities.
- Gather and analyze data – space program/staffing.
- Evaluate site – arrange for geo-tech analysis

Schematic Design Phase

The schematic design documents will establish the general scope and conceptual design of your projects, and the scale and relationships of the building components. The main goal of this phase is to arrive at a clearly defined, feasible concept and to present it in a form that results in your understanding and acceptance.

You will have the following items to review at the end of this phase:

- Conceptual Site Plan
- Preliminary Building Plan with elevations or space adjacency studies



Scope of Services and Approach

E.T. Boggess, Architect Inc.

- Perspective Sketches
- Preliminary Cost Estimates

Design Development Phase

Services in the design development phase strive to achieve the refinement and coordination necessary for a polished work of architecture.

Here decisions made in schematic design are worked out at a more detailed level to minimize the possibility of major modifications being needed during the development of construction documents.

It would be at this stage that we would submit, for the approval of the WVARNG, a set of documents for the 10% evaluation stage. We would submit a clear, coordinated description of all aspects of the design, including . . .

- Architectural
- Mechanical
- Electrical
- Plumbing
- Fire Protection Systems

Final Design Phase / Construction Document Phase

Construction documentation is the bridge between building design and physical building form. A key element of documentation services, construction drawings provide the instructions for transforming the design solution into brick, mortar, landscapes, access, etc.

The purpose of providing construction document drawings is to provide graphic documentation for bidding and execution of construction services.

Working closely with your representatives, we would program the work to promptly produce a 35% documentation set for approval. We are aware that such a set probably comprises 65% of the work, but this set should have sufficient information for the client to make informed decisions.

After submission of this 35% set, we would proceed towards a 95% completion set. All feedback from your representatives would be processed and incorporated into this set. The final comments would then be incorporated into the bid set.

Please note, we are flexible to accommodate any submittal requirements as directed.

Services/tasks include . . .

- Prepare construction drawings based on approved design development drawings.
- Coordinate and incorporate drawings from all team members.
- Prepare specifications to accompany drawings to establish a desired level of performance.
- Submit documents to building code officials.
- Prepare bid packages.



Scope of Services and Approach

E.T. Boggess, Architect Inc.

Bidding Phase

Construction procurement activities assist the client in obtaining competent construction services. Our team will prepare bid packages or request for proposals/qualifications, and we will support the selection, negotiation, and contract award processes.

Services/tasks include . . .

- Assist client in selection of project delivery method.
- Identify prospective bidders.
- Organize or participate in pre-bid conference.
- Distribute bidding documents.
- Address questions submitted by bidders.
- Review and evaluate competitive bids.
- Assist client in contractor interviews for obtaining negotiated proposals.
- Award contract for construction.

Construction Phase / Contract Administration Services

Administration services are important in order to ensure construction conforms to construction documents; to support the design intent; to lessen project risks; to identify and resolve construction problems early; and assist you in understanding the construction process.

The architect, serving as a construction administrator, observes construction for conformity to construction drawings and specifications.

Services/tasks included . . .

- Establish lines of communication.
- Maintain and distribute paperwork/records.
- Respond to contractor's requests for information.
- Track changes in construction documents.
- Review contractor's requests for payment.
- Review shop drawings and product information.
- Prepare field reports and records.
- Supervise completion and closeout.
- Assist with any post-occupancy issues.



SECTION SEVEN

Resumes

E.Ted Boggess, AIA, NCARB, Architect

Chairman of the Board

E.T. Boggess, Architect Inc.

EDUCATION:

Bachelor of Architecture
The Ohio State University
School of Architecture

RESPONSIBILITIES:

Ted founded E. T. Boggess, Architect, Inc., in 1966. Prior to Todd joining the firm, Ted was solely responsible for all design and managerial aspects of the corporation. After serving 35 years as president, Ted decided to hold only the position of Chairman of the Board.

Ted is responsible for . . .

- business development
- document review
- construction observation
- application for payment review
- contract negotiations
- administration

Your project will benefit from his 40+ years of architectural excellence. Ted's understanding of code requirements ensures that your project will satisfy all building, ADA, and life-safety regulations

PROFESSIONAL:

Over the years, Ted has been very active on state and national architectural boards and committees. West Virginia Governors have appointed him to five consecutive, five-year terms on the WV Board of Architects. In addition, he has served on the following national committees:

- National Council of Architectural Registration Boards (NCARB)
- Past Region II Coordinator for NCARB IDP Program
- Past Chairman – NCARB, National Education Committee
- Past Member – NCARB, Procedures and Documents Committee
- Past Member – NCARB, Professional Development Committee
- Past NAAB Accreditation Team Member

These committees are responsible for establishing educational requirements for new architects, and evaluating architectural programs at colleges and universities throughout the country. Even if you don't select our firm, you will still benefit from Ted's years of work improving the educational requirements of today's architects.

PROJECTS:

Ted's extensive work on a variety of projects has prepared him for almost any problem your project may encounter. A few years ago, the parking lot for a new pharmacy that our firm was designing proved to be smaller than the owner wanted. The site was restricted by a creek that ran between the property and the highway. Ted suggested covering the creek with a special system that allowed for increased parking directly over the waterway and provided access directly to the highway at two locations.



E. Ted Boggess, AIA, NCARB, Architect

Chairman of the Board

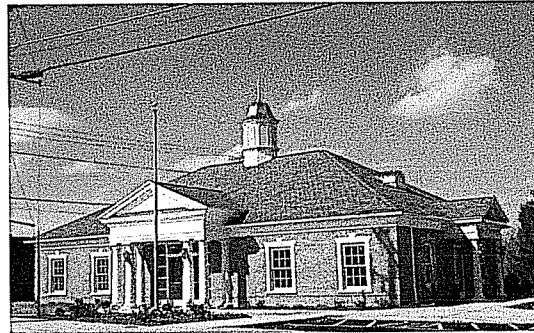
E.T. Boggess, Architect Inc.

Ted will be available to develop the same kind of innovative solutions for your project as well.

PROJECTS

Governmental & Office Buildings:

- Mercer County Courthouse Annex, Princeton, WV
- Concord University Rahall Technology Center, Athens, WV
- WVDOH District 10 Headquarters Office Complex, Gardner, WV
- WVDOH District 6 Headquarters Office Complex, Moundsville, WV
- US Social Security offices for the GSA in Bluefield, Welch and Williamson, WV
- Mercer County Civil Air Patrol Hanger & Headquarters, Bluefield, WV
- First Community Banks in Princeton, WV; Athens, WV; Bluefield, VA; Emporia, VA
- First Century Bank, Beckley, WV
- MCNB Bank, Princeton, WV
- First Sentry Bank, Huntington, WV



First Community Bank, Athens, WV



WVDOH D-10 Office Building, Gardner, WV



WVDOH D-6 Office Building, Moundsville, WV



EDUCATION:

- Master of Architecture, Clemson University School of Architecture
- International Studies, Clemson University Daniel Center for Urban Design & Building Studies, Genoa, Italy
- Bachelor of Arts Degree in Design, Clemson University School of Architecture

RESPONSIBILITIES:

Todd joined ETB as a project architect and office manager in 1988 after graduating from Clemson University. In January, 2001, he assumed the office of President.

Todd is responsible for . . .

- architectural design and development
- project management and coordination
- computer aided design and visualization
- interior design
- site planning
- submittal reviews/shop drawings

Your project will receive his complete attention, from the interview and project meetings, through the construction process. As the president of the firm, you are putting your trust in him and he takes that commitment very seriously. He wants to make sure you are satisfied with our service, performance, and design.

PROJECTS:

In 1988, Todd's thesis project "A Center for Health Excellence" laid the foundation for the Princeton Health and Fitness Center which was completed in 1999. The thesis combined six months of research, case studies and product reviews, along with six months of facility programming and design. His ideas, research, and dedication to the fitness center project is the main reason our community is able to enjoy this facility today. He will bring this same kind of dedication to your project as well.

Todd's design for the Mercer County Courthouse Annex involved a great deal of preliminary research. He met with each one of the agencies several times to ensure that their new spaces would satisfy all their requirements. The initial meeting was to examine their existing offices and determine how well they functioned. He obtained input not only from the department heads, but also the staff. Once he generated a preliminary design, he again met with the agencies to obtain their approval. Todd will use this interactive design approach to design the Multi-purpose Building at Camp Dawson.



PROJECTS

Governmental & Office Buildings:

- Mercer County Courthouse Annex, Princeton, WV
- Concord University Rahall Technology Center, Athens, WV
- WVDOH District 10 Headquarters Office Complex, Gardner, WV
- WVDOH District 6 Headquarters Office Complex, Moundsville, WV
- US Social Security Offices for the GSA in Welch and Williamson, WV
- First Community Banks in Princeton, WV; Athens, WV; Bluefield, VA; Emporia, VA
- MCNB Bank, Princeton, WV
- First Century Bank in Beckley, WV
- Pipestem Conference Center (Addition), Pipestem State Park
- Princeton Public Library (Historical Renovations), Princeton, WV
- Nicholas County Judicial Annex (Renovation), Summersville, WV

AWARDS:

In the fall of 2003, Todd was selected as one of *West Virginia Executive Magazine's* "Young Guns". He was also selected as "Citizen of the Year – 2000" by both the Princeton/Mercer County Chamber of Commerce and the Princeton Elks Club for his efforts in creating opportunities for new business and improving our overall community.



Mercer County Courthouse Annex, Princeton, WV



EDUCATION:

Bachelor of Architecture
University of the Orange Free
State, South Africa

Master of Design Management
UNITEC
Auckland, New Zealand

RESPONSIBILITIES:

Roy joined ETB in 2004 as a project architect. His area of expertise is in design, documentation, and information management. His will be responsible for the ftp site that we will create to share project information. Most of his work before joining ETB was completed in South Africa and New Zealand. His work in the USA includes government facilities for the West Virginia Army National Guard and other public buildings.

Roy is responsible for . . .

- architectural design
- construction documentation
- coordination of other disciplines
- ftp site design
- responding to contractor's requests for information
- reviewing submittals and shop drawings
- site visits/inspections

PROJECTS:

Roy recently distributed the bid documents for the Four Seasons Wellness Center. Drawings, specifications, and addendum were distributed through the ftp site, thus reducing the cost of printing and shipping. His mastery of information management systems will ensure that team members, contractors, and your representatives will be able to share ideas efficiently and cost effectively.

PROJECTS - Public Buildings:

- Mathena Cultural Arts Center, Princeton, WV
- First Century Bank, Beckley, WV
- Four Seasons Wellness Center, Tazewell, VA
- Mercer County Health Center Facility Assessment, Green Valley, WV

Prior to joining ETB, Roy worked on the following similar projects:

- Lewisburg Readiness Center for the National Guard, Lewisburg, WV
- Summersville Readiness Center for the National Guard, Summersville, WV



EDUCATION:

Bachelor of Science Engineering
Technology/Architecture
Fairmont State University

RESPONSIBILITIES:

Chris joined ETB in 2000 as a CADD Technician. His area of expertise is construction project management and that has been his focus since joining the firm. Your project will benefit from his superb organizational skills. He attends meetings and keeps track of your needs and wishes through notes and minutes. His timely response to submittals will ensure that your project stays on its construction schedule.

Chris is responsible for . . .

- construction documentation
- organizing and attending meetings
- distribution of minutes and progress reports
- contacting material suppliers
- responding to contractor's requests for information
- reviewing submittals and shop drawings
- construction administration
- site visits/observations

PROJECTS:

During the construction of the Mercer County Courthouse Annex, Chris monitored the budget very closely. He distributed updated amounts at the monthly meetings with the building commission and was instrumental in keeping the project under-budget. He will be just a diligent with the budget for your project as well.

PROJECTS - Public Buildings:

- Mercer County Courthouse Annex, Princeton, WV
- Concord University Rahall Technology Building, Athens, WV
- Beckley Financial Center/IRS Center for the GSA, Beckley, WV
- US Social Security Offices for the GSA in Welch and Williamson, WV
- Mercer County Civil Air Patrol Hanger & Headquarters, Bluefield, WV
- DHHR Office (Remodeling), Welch, WV



Resume



Douglas R. Richardson, P.E.
President/Structural Engineer

Education

North Carolina State University, (8/87-5/89).

Masters of Science in Civil Engineering, major in structures and minor in construction.

GPA 4.0/4.0.

West Virginia University, (8/83-8/87)

Bachelors of Science in Civil Engineering.

Ranking: 1st out of approximately 450 College of Engineering graduates. GPA 3.98/4.0.

Professional Registration

Professional Engineer - WV #11699, MS #12349

Maintains active record with NCEES to facilitate prompt registration in additional states as required.

Professional Affiliations

American Society of Civil Engineers

American Concrete Institute

American Institute of Architects, Professional Affiliate

Structural Engineering Institute

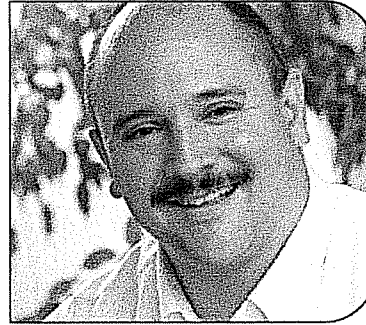
Timber Framers Guild



P R O F I L E

**Timothy Cox, P.E.,
NCEES.
President
Mechanical Engineer**

(304) 598-2558
tcox@cmawv.com



EDUCATION

University of Colorado
Boulder, Colorado
Degree: Mechanical Engineering B.S.

REGISTRATIONS/PROFESSIONAL AFFILIATIONS

Association of Energy Engineers-CBCP

Registered Professional Engineer in WV, CO, TN, VA,
MD, KY

CPD (Certified in Plumbing Engineering)

Member of ASHRAE

American Society of Plumbing Engineers

National Association of Fire Protection Engineers

WV Society of Healthcare Engineers

EXPERIENCE

Mr. Timothy Cox, President and Senior Mechanical Engineer of CMA Engineering brings 24 years of mechanical design experience to our clients. Mr. Cox has been project manager and project engineer for a variety of

PROJECTS

West Virginia University-Open End Contract since 1999
Mountain Lair Plaza Renovations
Boreman HVAC/Plumbing/Fire Sprinkler Upgrades
Soccer Stadium
Coliseum Life/Safety Renovations
Coliseum Locker Room Suites
Engineering Science Building Addition/Renovations
Arnold Hall Fire Alarm/ Fire Sprinkler Upgrades
Wrestling Training Facility

WVU Health Sciences Center

Electrical and Mechanical Utility Extensions for
BioMedical Research Facility

West Virginia University Hospitals

WV Eye Institute-MEP systems design for new facility
Cheat Clinic-MEP design for new clinical addition
WVUH Emergency Department-HVAC, electrical, fire and communication systems design for new addition
Chestnut Ridge Hospital-various MEP renovations
Healthworks Rehab and Fitness -MEP systems design for new facility

Mylan Pharmaceuticals, Morgantown, WV

Various projects including HVAC, plumbing, fire Sprinkler and controls for new office building, fluid bed addition, north plant expansion, parking garage and weighing and packaging.

CMA
ENGINEERING

Clingenpeel/McBrayer & Associates, Inc.

824 Cross Lanes Drive
Charleston, West Virginia 25313
26505
(304) 343-0316 tel
(304) 343-5146 fax

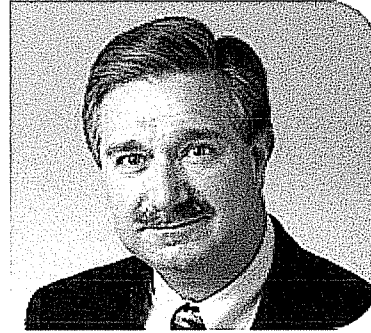
5 Riddle Court
Morgantown, West Virginia
(304) 598-2558 tel
(304) 598-2472

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P R O F I L E

Daniel Lee Ellars, P.E.

Principal
(304) 343-0316
dellars@cmaav.com



EDUCATION

West Virginia University Institute of Technology
Montgomery, West Virginia.
Bachelors of Science in Electrical Engineering

West Virginia State University
Institute, West Virginia
Bachelors of Science in Business Administration

REGISTRATIONS/PROFESSIONAL AFFILIATIONS

Registered Professional Engineer in West Virginia
National Fire Protection Association (NFPA)
Institute of Electrical and Electronics Engineers (IEEE)
American Society of Heating, Refrigerating and Air-
Conditioning Engineers (ASHRAE)

EXPERIENCE

Mr. Daniel L. Ellars, Electrical Engineer for Clingenpeel/McBrayer & Associates, Inc. brings 19 years of electrical design experience to our clients. Mr. Ellars has been a project manager and project engineer for a variety of projects including commercial and industrial facilities as well as for both power and tele-communications utilities.

PROJECTS

Educational Experience

Jackson County (WV) Schools—Electrical Upgrades & Expansions.

Hospital Experience

West Virginia University / Ruby Memorial Hospitals
West Virginia Eye Institute—Electrical systems design for new facility.
Thomas Memorial Hospital—Electrical systems survey, upgrades and documentation. Standby emergency power engine/generator replacement.

Military Experience

West Virginia Army National Guard
Eleanor (WV) Maintenance Center—Electrical systems design for new facility.

Correctional Experience

St. Mary's Correctional Center—Multiple emergency power engine/generator systems with combined control and monitoring.

Industrial Experience

Mylan Pharmaceuticals
Mylan Office & Lab Buildings—various electrical systems designs for new, existing and expanded facilities including new 23kV/12kV switchyard and grounding plain layout.



Clingenpeel/McBrayer & Associates, Inc.

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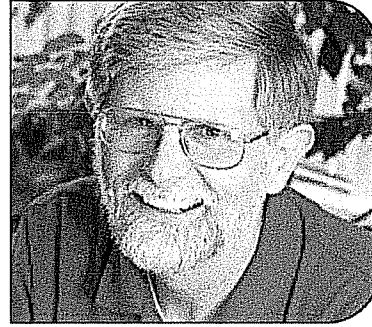
5 Riddle Court
Morgantown, West Virginia
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www.cmaav.com

P R O F I L E

James A. Kerns Mechanical/Electrical Designer

(304) 343-0316
jkerns@cmawv.com



EDUCATION

West Virginia State College
Institute, West Virginia
Degree: Bachelor of Science in Industrial Technology/
Building Construction

REGISTRATIONS/PROFESSIONAL AFFILIATIONS

Member of ASHRAE

EXPERIENCE

Mr. James A. Kerns has over 32 years experience in Mechanical and Electrical engineering design. He has been responsible for design projects in the educational, commercial, and health care fields.

Mr. Kerns has been a great asset to Clingenpeel/McBrayer & Associates. His knowledge and experience enables him to complete project designs in a clear and concise manner and in a timely fashion.

PROJECTS

Kanawha County Schools

George Washington High School-HVAC Renovations
George Washington High School-Classroom Additions
Horace Mann Middle School-HVAC Renovations
Elkview Middle School-Classroom Additions
Elkview Middle School-Fire Alarm System
Ruffner Elementary School-Classroom Additions
Point Harmony Elementary School-Activity Building

Concord College

Athens, West Virginia — various renovation projects throughout the campus, which include Twin Towers Fire Alarm, Twin Towers Elevator Renovation, and Alexander Arts Center Chiller Replacement.

U.S. Postal Service

Open End Contract Since 1993, which encompasses numerous Post Office Renovations, new Post Offices, and new Postal Maintenance Facilities. Mr. Kerns has been Project Manager for over 65 projects for the U.S. Postal Service.

Yeager Airport

New Parking Garage
New Emergency Generator
Electrical Upgrades
Fire Alarm System Upgrade
Security Upgrade
Fire Sprinkler Renovations



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P R O F I L E

K. Mark King, E.I. Electrical Designer

(304) 343-0316
mking@cmawv.com



EDUCATION

Wytheville Community College
Wytheville, Virginia
Degree: Computer Information Systems, A.A.S.

Bluefield State College
Bluefield, West Virginia
Degree: Computer Science, B.S.

West Virginia University of Technology
Montgomery, West Virginia
Degree: Electrical Engineering, B.S.

REGISTRATIONS/PROFESSIONAL AFFILIATIONS

Engineer In Training

Licensed Master Electrician in West Virginia

West Virginia Society of Healthcare Engineers

National Fire Protection Association

EXPERIENCE

Mr. Mark King, Engineer In Training for Clingenpeel/McBrayer & Associates, Inc. brings eleven years of industrial electrical experience and project management to our clients.

PROJECTS

Emergency Response Facilities

Raleigh County 911-New Facility
Mason County 911-New Facility
ANG Fire/Crash/Rescue Facility

Educational Experience

Raleigh County Schools
Liberty High School HVAC Renovation
Shady Springs High School Addition
New Fairdale Elementary School

Fairmont State College

Computer Room
Bed Suite Housing

WVUIT, Montgomery, WV

Old Main-Electrical Upgrades
Orndorff Hall-Electrical Renovations
Davis Hall-Electrical Renovations
Printing Innovation Center

Commercial Experience

Parkette Restaurant-Electrical Design
Silver Tree Suites-Electrical Design for New Hotel
Bombardier Aerospace-Paint Shop
Interior Shop
Office Area



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P R O F I L E

Mitchell D. Ross, E.I Electrical Designer

(304) 598-2558
mross@cmawv.com



EDUCATION

West Virginia University
Morgantown, WV
Degree: Electrical Engineering, B.S.
Computer Engineering, B.S.

REGISTRATIONS/PROFESSIONAL AFFILIATIONS

Registered Engineer Intern

Member of IEEE

Member of the International Honor Society for
Electrical and Computer Engineers

PROFESSIONAL DEVELOPMENT

Lightfair International 2007-NYC
Cooper Lighting-The Source Training Center
National Electric Code-NEC Essentials

EXPERIENCE

Mr. Mitchell Ross, Electrical Engineer, joined CMA Engineering in the summer of 2003. He has acted as project manager on various projects and has many good-standing client relationships.

PROJECTS

West Virginia University, Morgantown, WV
Engineering Sciences Building East Wing Addition
Wrestling Training Facility
Arnold Hall Fire Alarm/Fire Sprinkler Upgrades
Milan Puskar Center Renovations
Coliseum Renovations and Locker Room Suites
Mountainlair Plaza Renovations
Summit Hall Kitchen Renovations
Bits & Bytes Café HVAC Renovations
Towers Kitchen Renovations

WVU Potomac State College
ADA Connecting Link

Randolph County 911 Center, Elkins, WV
Lighting, Power and HVAC Systems for new Facility.

Vienna Public Library, Vienna, WV
Lighting, Power and HVAC Systems for new Facility

WV National Guard-Camp Dawson Training Center, Kingwood, WV
Lighting, Power and HVAC Renovations



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ROBERT M. FULLER, P.E.
Principal, Capitol Engineering, Inc.

QUALIFICATIONS

Project Manager with fifteen (15) years of experience with site investigation, planning, design and contract administration services on military, site development and mine reclamation projects. Mr. Fuller has been fully responsible technically, managerially and administratively for the planning, investigation, design and contract document preparation for over fifty (50) projects in the State of West Virginia. Mr. Fuller has served as Associate Professor of Civil Engineering Technology at West Virginia University Institute of Technology on a full-time, part-time and adjunct basis.

CERTIFICATIONS

Registered Professional Engineer – WV, PA, OH
OSHA 40-Hour Health and Safety Training
OSHA Supervisor Training

EDUCATIONAL BACKGROUND

M.S. Engineering, Marshall University Graduate College, 1997
B.S. Engineering Technology, West Virginia Institute of Technology, 1989

PROFESSIONAL EXPERIENCE

Mr. Fuller was principal or project manager for the following West Virginia Army National Guard Projects completed by Capitol Engineering, Inc.. Brief descriptions of the projects with asterisks are provided elsewhere in this proposal.

- Glen Jean Armed Forces Reserve Center*
- Summersville Readiness Center*
- Lewisburg Readiness Center*
- AASF #1 Apron Expansion/Rehabilitation and Taxiway Replacement*
- Camp Dawson Runway Extension*
- AASF #1 Taxiway Repair
- Camp Dawson Range Renovations
- Williamson Armory Wash Pad and Military Parking
- Camp Dawson Fuel Canopies
- Engineering consultant for the Center for National Response
- Logan County Feasibility Study
- Mingo-Logan Siting Study
- Camp Dawson Chalets Evaluation
- Camp Dawson Rappelling Tower Evaluation
- Ross Property Conceptual Site Layout
- Eleanor AFRC & CSMS Utility Location and Property Staking
- Camp Dawson Qualification Training Range Preliminary Design Drawings
- AASF #1 Lease Boundary Determination and Marking
- Eleanor CHP Rail Spur Layout
- JISOTF Initial Planning Study

PROFESSIONAL AFFILIATIONS

Society of American Military Engineers
American Society of Civil Engineers
American Institute of Architects
Construction Specifications Institute



SECTION EIGHT

References

References

E.T. Boggess, Architect Inc.

***Mercer County Courthouse Annex
Princeton, WV***

Jack Stafford
Mercer County Commission
1501 West Main Street
Princeton, WV 24740
304-487-8309

. . . Mr. Stafford will be able to confirm the amount of preliminary planning that went into our design, as well as our dedication to addressing the needs of the four separate agencies that now call the annex home.

***Princeton Railroad Museum
Princeton Streetscape Project
Princeton Library Renovations
Princeton, WV***

Mr. Wayne Shumate
Princeton City Manager
100 Courthouse Road
Princeton, WV 24740
304-487-5020

. . . Mr. Shumate will be able to confirm how efficiently we work with our clients, how well we can "stretch a dollar," and how committed we are to the historic preservation of our buildings.

***Mercer County Courthouse Annex
MCNB Bank
Princeton, WV***

***Rahall Technology Center at
Concord University
Athens, WV***

***First Century Bank
Beckley, WV***

Mr. Chandler Swope
Swope Construction Company
1325 Bluefield Avenue
Bluefield, WV 24701
304-325-8146

. . . Mr. Swope will be able to confirm the excellent relationship we develop with our contractors, and our willingness to work with them to ensure the success of the project.



REFERENCE LIST
Capitol Engineering, Inc.

<p>Azimuth, Inc. Craig Hartzell President 3741 Morgantown Industrial Park Morgantown, WV 26501 304-292-3700 (p) 304-292-0873 (f)</p>	<p>Shaw Environmental & Infrastructure David Carpenter West Virginia Branch Manager Rock Branch Industrial Park Poca, WV 25159 304-759-0425 (p) 304-759-0491 (f)</p>
<p>Pond & Company Roseanna Richards Vice President, Federal Programs 2635 Century Parkway Suite 800 Atlanta, GA 30345 404-748-4722 (p) 404-325-5458 (f)</p>	<p>Wilbur Smith Associates Manuch Amur West Virginia Branch Manager Geary Plaza, Suite 200 700 Washington Street East Charleston, WV 25301 304-345-2339 (p) 304-345-2343 (f)</p>
<p>S*E*M Architects Robert Cushman Director of Construction Services 167 South State Street Westerville, OH 43081-2265 614-794-3100 (p) 614-794-3088 (f)</p>	<p>ZMM, Inc. Steve Branner, AIA President 222 Lee Street West Charleston, WV 25302 304-342-0159 (p) 304-345-8144 (f)</p>
<p>Trumbull Corporation Mike Harvey Project Manager Teays Pointe Complex 87 Smiley Drive St. Albans, WV 25177 304-755-6945 (p) 304-755-6949 (f)</p>	<p>West Virginia Coal Association Bill Raney President PO Box 3923 Charleston, WV 25339 304-342-4153 (p) 304-342-7651 (f)</p>

