

WEST VIRGINIA ARMY NATIONAL GUARD

Coonskin Park Maintenance Complex

ADJ1500000003



01/06/15 09:37:07
West Virginia Purchasing Division



Letter of Transmittal

1/5/2015

TO: Dept of Administration, Purchasing Division
2019 Washington Street, East
Charleston, WV 25305

Project:
ADJ1500000003

Atten: Tara L. Lyle

Sending Via:
UPS

Subj: Expression of Interest

CODE LEGEND

- | | | |
|---|--|--|
| <input type="checkbox"/> 1. For payment | <input type="checkbox"/> 4. For your signature | <input type="checkbox"/> 7. Send 1 to Contractor |
| <input type="checkbox"/> 2. For review/approval | <input type="checkbox"/> 5. As requested | <input type="checkbox"/> 8. Return 1 to ETB |
| <input type="checkbox"/> 3. For your files/use | <input type="checkbox"/> 6. Owner keeps 1 | <input type="checkbox"/> 9. Office Copy |

# of copies	DATE	DESCRIPTION	CODE
1		Expression of Interest	

REMARKS:

If you need additional copies, please let me know.

Signed: Todd Boggess, AIA, NCARB, Architect



Ms. Tara Lyle
Department of Administration
Purchasing Division
2019 Washington Street, East
Charleston, WV 25305

January 5, 2015

REF: ADJ1500000003

Dear Ms. Lyle:

In response to your qualifications request for the professional Architectural and Engineering Design services, the E.T. Boggess, Architect, Inc. team is pleased to submit information regarding our experience and specialized expertise. Our team is comprised of highly qualified firms versed in:

- Architectural Design Services
- Construction Documentation
- Construction Administration
- MEP Engineering
- Structural Engineering
- Graphics/Imagery Production

I will be your architect and will be the person-in-charge for all aspects of the project. Our team is very familiar with the services provided and the spaces required by the WV Army National Guard. Our team has designed several maintenance buildings/shops for the WV Department of Highways and one for the WV Army National Guard at Elkins. We understand and appreciate the challenges that state agencies face and believe we offer the service, knowledge and experience you will need to successfully accomplish the new Maintenance Complex at the Coonskin Park in Charleston.

The ETB Team stresses a focus on client issues and mutually defined project objectives. Through this focus, we can assure the State of West Virginia and the WVARNG that needs and project issues will be clearly identified and addressed through an engaged, interactive programming, design, and construction process. Our design process will be conducted with an attention to detail, creative problem solving and passion towards project success. We value this opportunity to serve you and look forward to personally presenting our credentials.

Sincerely,

Todd Boggess, AIA, NCARB
President

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Qualifications & Technical Expertise

Maintenance Complex for WVARNG

The E.T. Boggess, Architect, Inc., team understands the challenges facing the WVARNG as you work to replace the existing maintenance facility with a new Maintenance Complex at the Coonskin Park in Charleston. Providing the members of the guard with the facilities they need to assist the citizens of West Virginia benefits everyone. The Elkins Readiness Center, shown below, included a main headquarters building and a separate maintenance building for storage and equipment maintenance. This project allows the guard to train and respond efficiently once they have been called into action.



WVARNG – Rendering



WVARNG - Completed

ETB is also working with the WVDOH to design complexes throughout the state that bring together services that had previously been scattered throughout the districts, helping them to function more efficiently. The four buildings that comprise these complexes include an Office Building, Maintenance Building/Equipment Shop, Bridge/Sign Shop and a Lab Building. We have successfully accomplished projects for Districts Ten, Nine, Six and One, including office, maintenance, equipment, and bridge/sign shops. The District Eight Equipment Shop is currently under construction.

We have assembled an excellent team to provide you with all the A/E services you will need to accomplish your project. ETB has worked with all the consultants listed on numerous governmental projects and believe we have the experience, knowledge and commitment to ensure the maintenance complex for the WVARNG will satisfy your current and future needs. Our team has a reputation for producing quality designs that can save energy, money, and valuable resources over time, as well as comply with the ICC International Energy Conservation Code. Our team consists of the following:

Architect:	E.T. Boggess, Architect, Inc., Princeton, WV
MEP Consultant:	CMA Engineering, Crosslanes, WV
Structural Consultant:	Moment Engineers, Charleston, WV
Civil/Site Consultant:	Terradon Corporation, Nitro, WV

Qualifications & Technical Expertise

Philosophy

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. Our approach is not about us and our ideas . . . it is about *you and your ideas*. We strive to help you realize your dreams.

Methods

The Integrated Design Process is our process of design in which the users, owners, the ETB team (architects and engineers) and project participants are all integral team members. This integrated process and the implementation of high performance design requires both efficiency and innovation. In our role with this team as the design leader and project organizer, ETB will be responsible for coordinating and orchestrating the work of the many disciplines and users involved throughout the design, documentation, and administrative functions of the project.

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:

- **Understanding goals.** We develop a plan for identifying and prioritizing individual goals as a means for addressing the overall project.
- **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.

Project Management - Our project managers provide extraordinary leadership managing the team dynamics, budget, schedule, and the flow of information. The project manager's role also includes assisting the client with the management of services and consultants that may not be a part of this contract, but still may have an impact on workflow and infrastructure coordination. The effective implementation of your goals and objectives will be realized thru early and consistent collaboration among all the design disciplines. This will result in opportunities and challenges being discussed and addressed as we proceed thru the design process.



Qualifications & Technical Expertise

Cost Management - We believe that the management of cost and/or risk begins with the development of fully vetted alternatives which enable you to make informed choices about the project. We search for simple and effective solutions which support the different services that will be offered at maintenance complex. We also believe that the evaluation of cost must extend beyond the cost of construction, and consider the costs of operations, human resources, energy and sustainability.

Project Schedule Management - Completing projects on time requires effective schedule management and a commitment of the entire project team including the WVARNG, representatives from the state, and the design team. The process begins with the development of the project schedule with input from each stakeholder engaged in the process. Accelerated schedules require even more dedication to benchmarks and deadlines, identifying production problems early and making the necessary adjustments before issues become too great to be effectively managed.

Construction Administration – Contract administration services are important in order to ensure construction conforms to the design intent of the construction documents; to lessen project risks; and to identify and resolve construction problems early. We also strive to 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 we provide include . . .

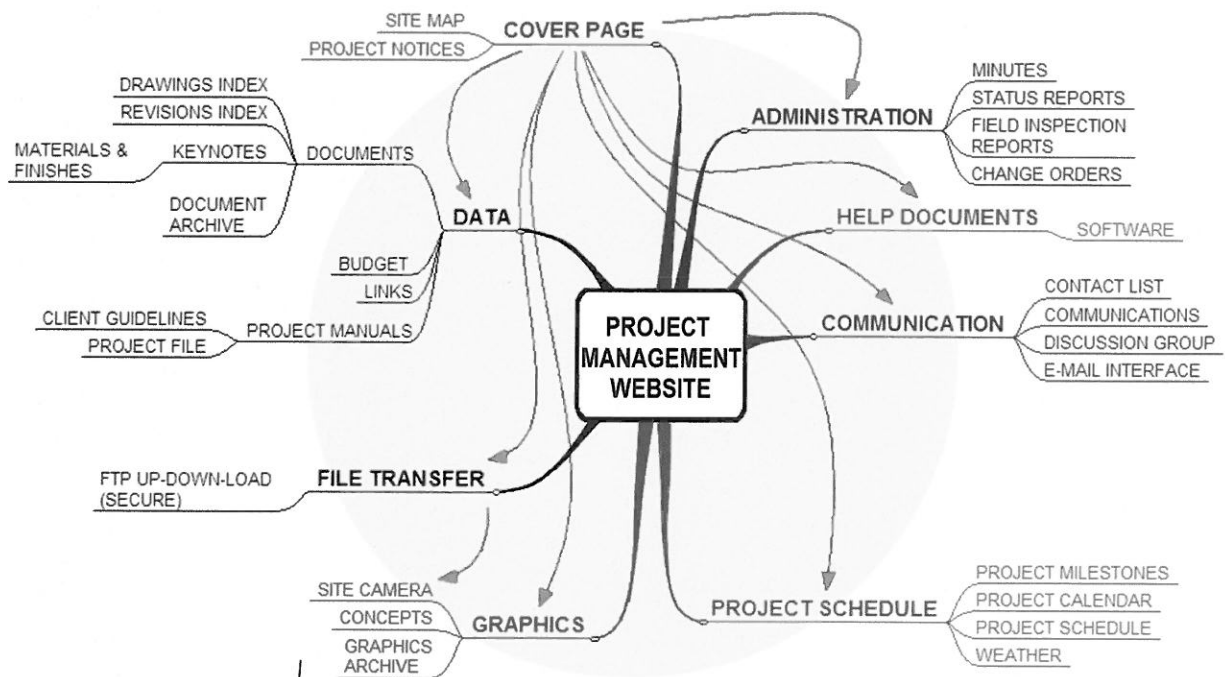
- Establish lines of communication.
- Maintain and distribute paperwork/records.
- Respond to contractor's requests for information.
- Track changes in construction documents.
- Review contractor's requests for payment.
- Review shop drawings and product information.
- Prepare field reports and records.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

Technical Expertise - Information Management and Website Development

As mentioned previously, project coordination is ETB's responsibility. 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, including design plans, imagery, construction documents, submittals, logs, field reports, and meeting minutes. This method has proven very successful by keeping the client and the team members well informed and insuring that the latest information is always readily available. This has been a valuable tool to further ensure quality control/assurance standards are being maintained.



Qualifications & Technical Expertise



WEBSITE MAP - As developed and managed by ETB architects

We maintain the site after the project is complete and this can provide the client with a valuable resource for ongoing Facilities Management.

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

Qualifications & Technical Expertise

Documents-Drawings

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

- Drawings Index & Revisions
- Specifications & Keynotes
- LEED Documentation (if applicable)
- Drawings (CAD and PDF format)

Graphics

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

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

Project Schedule

The latest version of the following will be kept here:

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

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

Help Documents

This page provides 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.



Qualifications & Technical Expertise

TYPICAL PROJECT WEBSITE – by ETB architects



E. T. BOGGESS ARCHITECT INC
PO Box 727 101 Rockledge Ave. Princeton WV 24740-0727
Ph 304 425 4491 Fax 304 425 2028.
<http://www.etbarchitects.com>



West Virginia Army National Guard / U. S. Army Reserve **ARMED FORCES RESERVE CENTER (AFRC)** Randolph County, Elkins, West Virginia.



PROJECT ADMINISTRATION MANAGEMENT HOME PAGE

WORKING PROJECT WEBSITE FOR CONSTRUCTION
PHASE. AUTHORIZED ACCESS ONLY ALLOWED

DISCLAIMER: THIS WEBSITE IS MAINTAINED FOR CONVENIENCE,
AND EASE OF COMMUNICATION ONLY. NO INSTRUCTION,
COMMUNICATION, OR OTHER DOCUMENT CONTAINED HEREIN WILL
BE CONSIDERED VALID IN TERMS OF THE CONTRACT. ALL DATA &
INFORMATION MUST BE VERIFIED AGAINST THE CONTENTS OF THE
ORIGINAL AUTHORIZED DOCUMENT INFORMATION CONTAINED
HEREIN WILL NOT RELIEVE THE CONTRACTOR OF HIS
RESPONSIBILITY FOR MAINTAINING PROPER DOCUMENTATION AND
ADMINISTRATIVE OR OTHER DUTY WITHIN THE CONTRACTUAL
OBLIGATIONS.

[CONTACTS](#) | [CONSTR-ADMIN](#) | [KEYNOTES](#) | [DWG INDEX](#) | [DWG FILES](#) | [PROCEDURES & DATA](#)

PROJECT NOTICES

Preliminary bid dates proposed Elkins AFRC - Utility Extension Contract

ADVERTISEMENT AND 16ND	JULY FRI. 9TH
PRE-BID MEETING	JULY TUE. 20TH
ADDENDUM #1	JULY FRI. 23RD
LAST DAY FOR QUESTIONS	JULY WED. 28TH
ADDENDUM #2	JULY FRI. 30TH
BID OPENING	AUG. THU. 5TH

PROJECT DESCRIPTION

The proposed Readiness Center will consist of the primary facility, military equipment parking (MEP), and privately owned vehicle (POV) parking. The primary facility will be housed in an a 54,200 square-foot, single-story building with a drill hall.

The site is located approximately 8 miles west of Elkins, West Virginia and borders on U.S. Route 33 (Corridor H), a four-lane highway with limited access control. A new two-lane access road will be required up the hill to the usable area of the property.

The proposed site is approximately 112 acres and site occupies a hill in a large bend of the Tygart Valley River, with a large, mildly sloping hilltop and moderately steep -- to steep slopes down to the river. Approximately 90 of the 112 acres are wooded with another 22 acres of unreclaimed strip mine covered by pine trees and grasses. The site drains directly into the Tygart Valley



Cover Letter

Qualifications & Technical Expertise

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Experience

Over the past 49 years, ETB has accomplished many different types of buildings in 12 different states and 1 foreign country. 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 allows us to begin each 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 almost thirty years ago. 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 for your presentations. This helps everyone better understand design approaches and project contextual relationships within a setting.

Schedules & Budgets

ETB understands the importance of ensuring that all schedules and budgets are met. Our past experience designing within the confines of strict budgets and tight construction schedules makes us even more diligent in these areas. Some of our most recent projects, especially for state agencies, have presented us with very rigorous scheduling goals. Our projects for the West Virginia School Building Authority have penalties built in if schedules and established budgets are not adhered to as an added incentive to meet the deadlines.

Quality Assurance

We feel quality assurance is the ability of an architect to provide the client with a set of documents that satisfies the client's needs and are as accurate as possible. ETB believes quality assurance is an ongoing process, not just a one-time occurrence. No project is perfect, however, we strive to achieve maximum client satisfaction. To that end, we have set the following goals for ourselves:

- Promote teamwork
 - within the office
 - with outside consultants
 - with regulatory officials
 - with representatives from the WVARNG
- Quality management throughout entire project – *Website*
- Prompt response to client's requests – *Availability*
- Creation of quality construction documents – *Purpose Driven*
- Error *prevention*, not error catching – *Standard Practices*



- Personal pride in our work - *Motivation*
- Education and Training in-house (staff mentoring) – *Continuing Education*
- Go the extra mile whenever necessary – *Service Oriented*

Quality Control

Quality control starts with matching expectations about quality standards and life cycle costs with budget and scope during planning and design reviews. This continues through construction delivery with a program of inspections, tests, and certifications that are typically handled thru a third-party agency. Quality control should flow seamlessly from one phase to another. The “partnership” we develop during the project assists us in maintaining a high level quality control standard with everyone working together in the project’s best interest. We strive to coordinate performance among the entire project team in order for a completed building program to fully satisfy your needs and expectations. The quality control plan we follow should help eliminate errors, reduce cost and improve overall building quality. ETB normally follows the plan as outlined below:

- Keep the lines of communication open and consistent between all team members
 - Regular/scheduled project meetings
- Share lessons learned from recent similar projects, include value engineering
 - Up-to-date detailing
- In-house reviews to address issues with constructability and budget restraints
- Utilize past experiences related to construction administration
 - Address before issue or occurrence
- Provide post construction administration services to be utilized on future projects
 - Every project or opportunity can be a learning experience for continued growth to better serve clients



Charleston, WV

Services

Clingenpeel McBrayer & Associates, Inc. is a West Virginia based small business firm, providing services in the areas of HVAC, plumbing, fire protection and electrical engineering. Incorporated in 1986, our firm has always believed that a successful project requires a comprehensive approach. This includes all facets of project development, starting with master planning, working closely with the client, developing the completed construction documents, and working with contractors during the bidding and construction administration phases. However, our depth of expertise goes far beyond the traditional design/bid/build service. CMA Engineering is a proven leader in the design/build delivery method. From developing the performance design criteria for owners to designing the mechanical, electrical and plumbing systems for contractors, CMA has an impressive portfolio of design/build experience.

CMA Engineering maintains its reputation of design and service quality by keeping informed of the latest innovations and technical trends regarding energy-efficiency and sustainability in mechanical, electrical and plumbing design. CMA is the engineer on record for the design/build team for the new West Virginia Consolidated DEP Office Building, the first LEED certified building in the State. Our staff includes an accredited professional for the Leadership in Environmental and Energy Design (LEED) and we incorporate the most efficient and sustainable "green" designs in all of our projects.

History

CMA Engineering has provided engineering design services on numerous projects of varying size and complexity. Clients include architects, industrial companies, governmental agencies, contractors, engineers, developers and private organizations. With offices strategically located in Charleston and Morgantown, our professional staff can provide clients with exceptional hands-on services for planning, meetings, site visits and construction administration without effecting the project's budget.

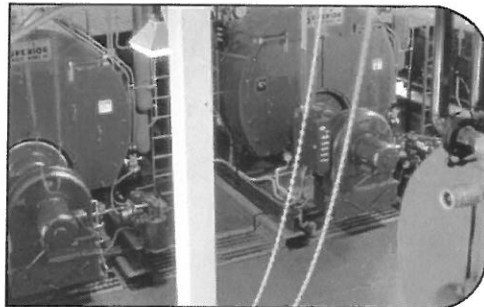
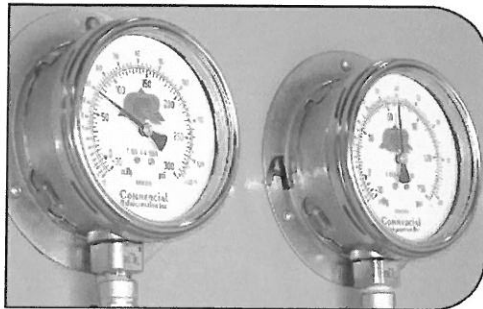
Commitment

We are committing senior design professionals in order to assure that you receive top priority. 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.

Clingenpeel/McBrayer & Associates, Inc.

824 Cross Lanes Drive Charleston WV, 25313
(304) 343-0316 phone (304) 343-5146 fax

5 Riddle Court Morgantown, WV 26505
(304) 598-2558 phone (304) 598-2472 fax



(top) Ruby Memorial Hospital—Morgantown, WV
HVAC Exhaust System

(middle) Memorial Ice Rink—South Charleston, WV
Refrigerant Pressure Gages

(bottom) Alderson Federal Correctional Facility—Alderson, WV
Steam Plant

M E C H A N I C A L

CMA Engineering experience includes:

Constant Volume Air Handling Systems

Variable Volume Air Handling Systems

Demand Control Ventilation Systems

Natatorium Dehumidification Systems

Building Energy and Management Control Systems

Industrial Ventilation and Exhaust Systems

Steam and Condensate Systems

Cooling Plants and Distribution

Heating Plants and Distribution

Energy Recovery Systems

Water Source Heat Pump Systems

Low, Medium and High Pressure Air Distribution Systems

Direct Digital, Pneumatic and Hybrid Control Systems

Kitchen Ventilation and Exhaust Systems

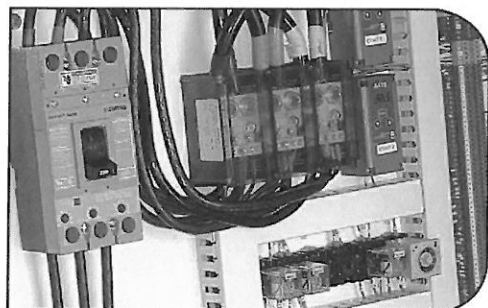


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(304) 598-2472 fax

www.cma.wv.com



(above) Split Rock Pools—Snowshoe, WV
Indirect Lighting System

(below) Memorial Ice Rink—South Charleston, WV
Chiller Power and Control Panel

E L E C T R I C A L

CMA Engineering experience includes:

- Underground Ducts and Utility Structures
- Intrusion Detection
- Closed Circuit Television
- Cable and Master Antenna Television
- Medium Voltage Distribution and Substations
- Secondary Voltage Distribution
- Engine Generators and Battery Inverters
- Transient Voltage Suppression
- Interior Lighting
- Exterior Lighting
- Sports Lighting
- Theatrical Lighting
- Lighting Control
- Uninterruptible Power Supply Systems
- Lightning Protection
- Intercommunications Systems
- Nurse Call
- Voice and Data Systems
- Fire Detection Systems

CMA
ENGINEERING

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(top) Split Rock Pools—Snowshoe, WV
Piping & Pump Room

(middle) Memorial Ice Rink—South Charleston, WV
Piping & Chilling

(bottom) Alderson Federal Correctional Facility—Alderson, WV
Steam Piping

PLUMBING & PIPING

CMA Engineering experience includes:

Sanitary Sewer Systems

Storm Sewer Systems

Natural Gas Distribution

LP Gas Distribution

Fuel-Oil Distribution

Compressed Air Systems

Vacuum Systems

Chemical Waste Systems

Process Water Systems

Deionized Water Systems

Domestic Water Systems

Helium Distribution Systems

Domestic Water Pumping Systems

Sewage Pumping Systems

Water Heating

Automatic Fire Sprinkler Systems

Standpipe Systems

Fire Pumps, Storage Tanks, Service Mains

Medical Gas Systems

CMA
ENGINEERING

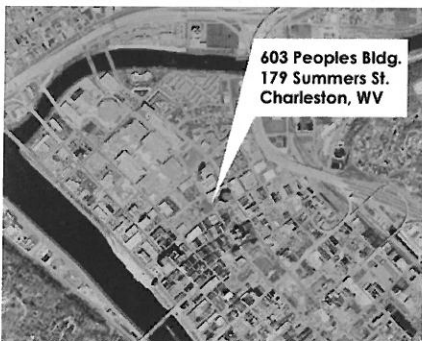
Clingenpeel/McBrayer & Associates, Inc.

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Background



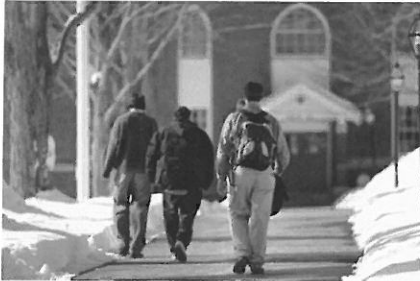
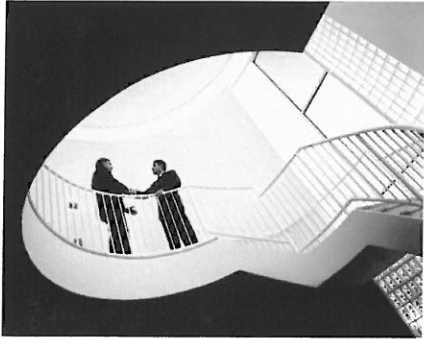
Moment Engineers, Inc. is a professional consulting firm specializing in structural engineering. We serve the architectural and building construction communities throughout West Virginia. Based in Charleston, West Virginia at 179 Summers Street, Moment Engineers was founded by Douglas Richardson in early 2005.

During his more than 25 years of experience, Mr. Richardson has had sole responsibility for the structural engineering design of more than 6 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 staff's 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.

Corporate Overview

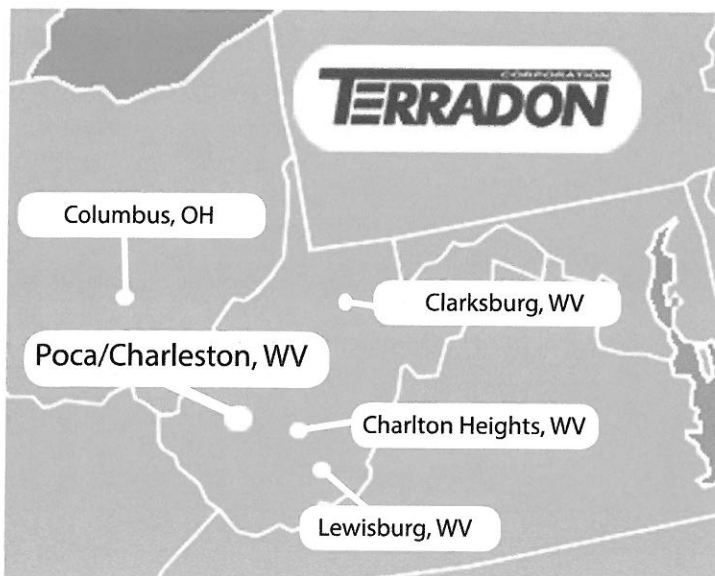


TERRADON Corporation offers a multi-faceted approach to design engineering and consulting services. For the past 25 years TERRADON staff has provided a wealth of engineering solutions blanketing the Appalachian and Mid-Atlantic region with successful projects. The company built its reputation on expert personnel and quality, time-sensitive service. Those same founding principles hold true today.

The second-generation, family-owned business has built a strong reputation by providing flexible, cost effective design solutions and maintaining the highest level of customer service. The firm has been recognized through numerous awards from professional organizations and agencies including the American Society of Civil Engineers, State Highway Departments, the Department of Environmental Protection and the American Institute of Architects.

TERRADON's corporate culture promotes innovation and progressive thinking. Project leaders strive to sustain customers through a wide-range of engineering offerings. TERRADON employees understand the purpose behind their services and work to cultivate lasting relationships with clients through honest, hard work.

TERRADON is the largest woman-owned engineering firm in West Virginia. TERRADON is a certified Women's Business Enterprise as defined by the Women's Business Enterprise National Council and the National Women Business Owners Corporation.



Locations

TERRADON maintains four WV locations: headquarters near Poca/Charleston, WV and offices in Lewisburg, Clarksburg and Charlton Heights. A fifth office is located in Columbus, OH. With five locations, TERRADON is equipped to meet any engineering design needs for this project.

Qualifications



Land Development covers a broad swath of TERRADON's service offerings and sees a large percentage of its annual revenue from repeat clients or referrals. The group is composed mainly of Landscape Architects and CAD designers who frequently team with every other department within the company.

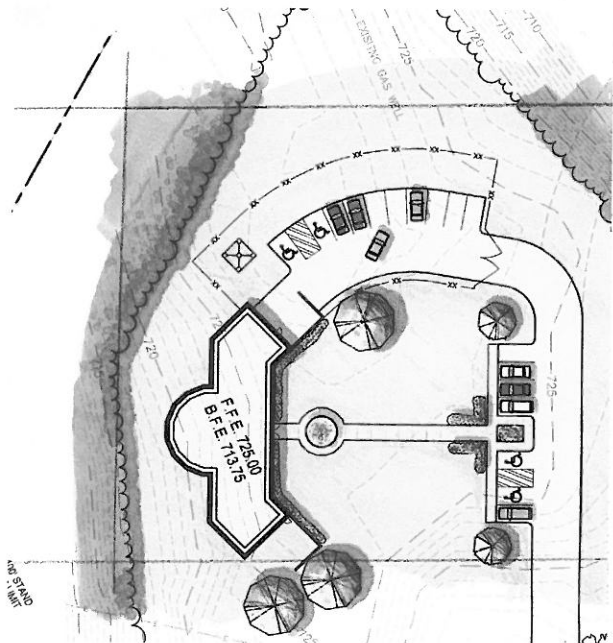
TERRADON's Land Development department collaborates with public and private entities and has a strong presence in the recreation, public/civil, educational and commercial development sectors. TERRADON is recognized as a leader in providing site design and land planning services. The firm's professional engineers work closely with the client from the project's initial phase through a schematic design, construction documents and project delivery. TERRADON's Landscape Development Group remains on the forefront of sustainable design, providing LEED Accredited Professionals to clients. Projects utilizing sustainable design best practices aid clients in significantly reducing energy costs on projects.

TERRADON's Land Development Group works in a variety of markets including: Civic/Public, Parks/Recreation, Commercial/Industrial, K-12 Education, Higher Education and Medical.

Projects include: Master planning, recreational planning, funding agencies assistance, economic development planning, surveying, engineering, architecture, historical preservation construction administration and inspection.

LAND DEVELOPMENT SERVICES

- Master Planning
- Presentation Drawings/Renderings
- Site Feasibility Studies
- Schematic Design
- Layout Plans
- Grading Plans
- Stormwater Management Plans
- Erosion Control Plans
- Planting Plans
- Construction Observation



Cover Letter

Qualifications & Technical Expertise

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WV ARMY NATIONAL GUARD READINESS CENTER

Elkins, West Virginia



PROJECT DETAILS

owner/district:
WV Army National Guard

year:
2011

size:
50,000 sf,

The Readiness Center has two main entrances; the front into the lobby and the rear into the assembly hall. The circular central core of the entrance leads to the administrative wing (east) and classroom wing (west). The facility contains a learning center library, storage areas, locker rooms, kitchen, break-room, and Telcon spaces. Areas within the lobby will be used for recruiting, family support and distance learning.

The project also included the design and construction of a separate structure for secure storage maintenance/ workshop/ office structure.



MAINTENANCE BUILDING

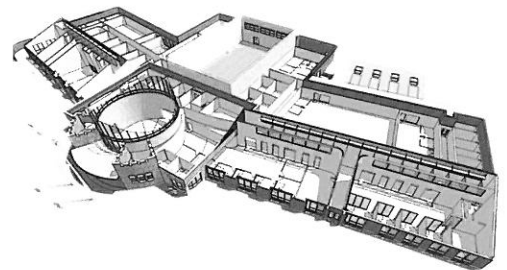


COMPUTER VISUALIZATION

WV ARMY NATIONAL GUARD READINESS CENTER

Elkins, West Virginia

PROJECT DETAILS



WV ARMY NATIONAL GUARD JOINT FORCES HEADQUARTERS

Coonskin Park, Charleston, West Virginia

PROJECT DETAILS

owner/district:
WV Army National Guard

year:
2014

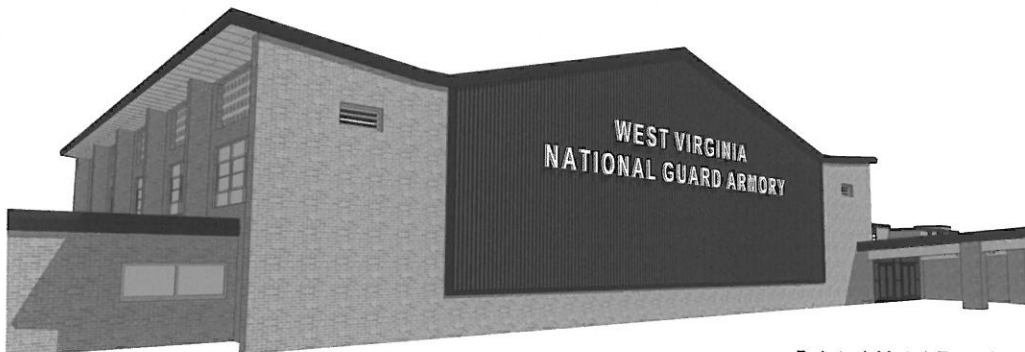
type:
Exterior Renovations



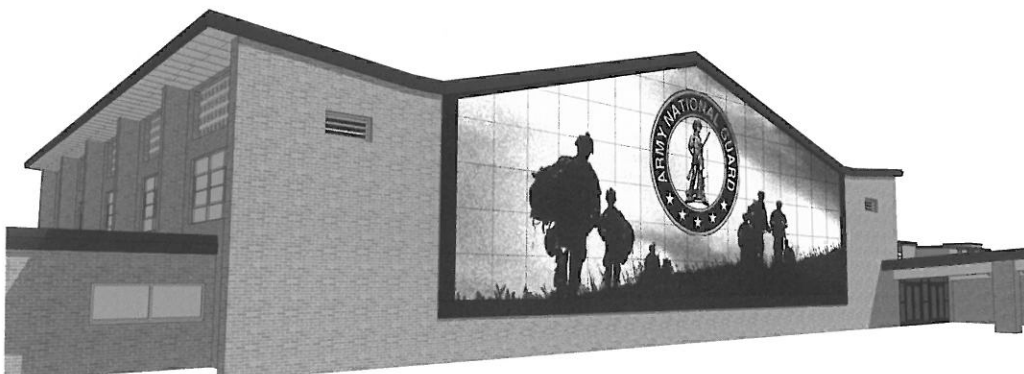
The exterior renovations ETB designed for the Joint Forces Headquarters include general facade updates, new window systems, and restoring the original metal cornice. The imagery shown here depicts the options that were considered. The project has not yet been released for bids.



Existing Metal Facade



Painted Metal Facade
Work Package 02 - Base Bid



New Perforated Image Metal Panel System
Work Package 05 - Alternate A

WV DOH DISTRICT ONE OFFICE BUILDING

Charleston

PROJECT DETAILS

owner/district:
WV DOH

year:
2014

size:
various



ETB provided the original complex design for District Ten, which included an office building, a maintenance building (now called equipment shop), a bridge/sign shop, and a lab building. The buildings have been modified over the years to satisfy the needs of the DOH and each specific site. The design brings together a variety of services and functions that were previously scattered throughout the district onto a single, campus-like setting. This lay-out has been very effective and is being repeated throughout the state.

District One recently completed the office building which included a connector bridge to an existing building.

The Equipment Shop at District Eight is currently under construction



E. T. B O G G E S S, A R C H I T E C T, I N C.



WV DOH DISTRICT SIX COMPLEX

Moundsville

PROJECT DETAILS

owner/district:
WV DOHyear:
2000 thru 2008size:
various

ETB provided the original complex design for District Ten, which included an office building, a maintenance building (now called the equipment shop), a bridge/sign shop, and a lab building. The buildings have been modified over the years to satisfy the needs of the DOH and each specific site. The design brings together a variety of services and functions that were previously scattered throughout the district onto a single, campus-like setting. This lay-out has been very effective and is being repeated throughout the state.

District Six, shown here, has completed the Office Building, Maintenance Building, and Bridge and Sign Shop.



WV DOH DISTRICT NINE OFFICE BUILDING

Lewisburg



owner/district:
WV DOH

year:
2011

size:
various

ETB provided the original complex design for District Ten, which included an office building, a maintenance building (now called equipment shop), a bridge/sign shop, and a lab building. The buildings have been modified over the years to satisfy the needs of the DOH and each specific site. The design brings together a variety of services and functions that were previously scattered throughout the district onto a single, campus-like setting. This lay-out has been very effective and is being repeated throughout the state.

At this time, District Nine has completed only the office building.

The Equipment Shop at District Eight is currently under construction.



WV DOH DISTRICT TEN COMPLEX

Gardner



PROJECT DETAILS

owner/district:
WV DOHyear:
1997size:
various

ETB provided the original complex design for District Ten, which included an office building, a maintenance building (now called equipment shop), a bridge/sign shop, and a lab building. The buildings have been modified over the years to satisfy the needs of the DOH and each specific site. The design brings together a variety of services and functions that were previously scattered throughout the district onto a single, campus-like setting. This lay-out has been very effective and is being repeated throughout the state.

These buildings are being utilized by the DOH at districts throughout the state. District Six has completed all but the lab building. Districts One and Nine have only completed the main office building. The equipment shop at District Eight is currently under construction.



BILL COLE AUTO MALL

Green Valley

PROJECT DETAILS

owner/district:
Bill Cole Auto Mall

year:
multiple

size:
various

ETB has designed several automotive dealerships for Bill Cole, including Nissan, Honda, and KIA. The facilities consist of offices, showrooms, and maintenance/garage areas with workbays.

Design guidelines were supplied by Gensler Associates and Design Forum. ETB had to conform to very strict, uniform standards for each of the unique dealerships.



Project Information

E.T. Boggess, Architect, Inc.

Project	Type	Goals	Size	Cost	Comp.
WVARNG Readiness Center Location: Elkins Project Manager for the WVARNG: Dan Clevenger - 304-561-6451	New	<i>Provide offices, classrooms, kitchens, showers for local armed forces to train & prepare.</i> <i>Serve as base of operations in emergency.</i>	56,000 sf	\$15.5 mil	2012
WVDOH District 9 Office Building Location: Lewisburg Project Manager for the WVDOH: Greg Hylton - 304-647-7450	New	<i>Provide centralized office and meeting room for DOH district operations.</i>	28,000 sf	\$3.5 mil	2011
WVDOH District 1 Office Building Location: Charleston Project Manager for the WVDOH: Brian Tackman - 304-356-3820	New	<i>Provide centralized office and meeting room for DOH district operations.</i>	28,000 sf	\$5.5 mil	2014
WVDOH District 8 Equipment Shop Location: Elkins Project Manager for the WVDOH: Steve Schumacher - 304-637-0220	New	<i>Provide centralized maintenance and equipment shop for DOH district operations.</i>	22,500 sf	\$4.6 mil	Under Con.
Advantage Valley Advanced Tech Center Location: So. Charleston	New	<i>Three educational facilities with similar objectives - address needs of WV C&TCS</i>	50,000 sf	\$15 mil	2014
North Central Adv Tech Center/Allied Health Location: Fairmont	New	<i>program. Provide classrooms, labs, offices, and high-tech learning environment for</i>	60,000 sf	\$17.4 mil	Under Con.
New River Headquarters & Allied Health Location: Beckley Project Manager - Chancellor of the WVC&TCS James Skidmore - 304-558-0265	New	<i>secondary education programs that can be modified easily to satisfy market/demand.</i>	72,500 sf	\$15 mil	Under Con.

Governmental – New Construction:

- WV Army National Guard Readiness Center, Elkins, WV
- WVDOH District 10 HQ Complex, Gardner, WV
 - Office Building
 - Maintenance Building
 - Bridge/Sign Shop
 - Lab Building
- WVDOH District 6 HQ Complex, Moundsville, WV
 - Office Building
 - Maintenance Building
 - Bridge/Sign Shop
- WVDOH District 9 Office Building, Lewisburg, WV
- WVDOH District 1 Office Building, Charleston, WV
- WVDOH District 8 Equipment Shop, Elkins, WV
- WV Tourist Information Center, Princeton, WV
- Mercer County Courthouse Annex, Princeton, WV
- U.S. Social Security Offices for the GSA, Welch, WV
- U.S. Social Security Offices for the GSA, Williamson, WV
- Princeton Railroad Museum (*Historical Re-creation*), Princeton, WV
- Bramwell Coal Interpretive Museum (*Historical Re-creation*), Bramwell, WV
- Mercer County Health Center, Bluefield, WV
- Mercer County EOS/911 Center, Bluefield, WV
- Mercer County Civil Air Patrol Hanger and Headquarters, Bluefield, WV
- WV Community & Technical College System / Higher Education Policy Commission
 - Advantage Valley Advanced Technology Center, So. Charleston, WV
 - North Central Advanced Technology Center, Fairmont, WV
 - New River Community & Technical College Headquarters, Beaver, WV

Governmental – Additions and Renovations:

- WV Army National Guard Joint Forces Headquarters (Exterior Renovations), Coonskin Park, Charleston, WV
- Princeton Public Library, Princeton, WV
- City Hall/Municipal Building, Princeton, WV
- Pipestem State Park Conference Center, Pipestem, WV
- Mercer County Courtroom for the new judge, Princeton, WV
- Mercer County Memorial Building, Princeton, WV
- Mercer County Courthouse Energy Upgrade, Princeton, WV
- Greenbrier County Convention & Visitors Center, Lewisburg, WV
- U.S. Social Security Offices for the GSA, Bluefield, WV
- Department of Health & Human Resources, Welch, WV
- Division of Motor Vehicles, Welch, WV
- Hatfield/McCoy Trailhead Office, Bramwell, WV
- Hatfield/McCoy Trails Office, Lyburn, WV
- Rupert Public Library, Rupert, WV
- Wyoming County Senior Center for the Council on Aging, Oceana, WV
- Richwood Visitor's Center, Richwood, WV
- Beckley Financial Center – IRS Offices for the GSA (*Adaptive Re-use*), Beckley, WV
- WV Community & Technical College System / Higher Education Policy Commission
 - New River Community & Technical College Arts & Sciences Building, Lewisburg, WV

New Construction



New Putnam County 911 Center

CMA provided design services for the HVAC, plumbing, fire alarm, fire sprinkler, electrical and communications systems for the new single story 911 Facility(11,700sf) and new two story maintenance garage(5,000sf) with six maintenance bays on lower level and storage area (1,500sf) on second level.



WVNG Elkins Readiness Center

CMA Engineering provided design of HVAC, plumbing, fire sprinkler and fire alarm systems, and electrical systems for new 54,500sf readiness center, which included a 3,227 square feet free standing vehicle maintenance building.



Moorefield Readiness Center

CMA Engineering provided mechanical, electrical and plumbing design services for the new 57,100sf readiness center which included a 911 Center with vehicle maintenance bay, a distance learning center and classrooms.



WVNG 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.

Clingenpeel/McBrayer & Associates, Inc.

824 Cross Lanes Drive Charleston WV, 25313
(304) 343-0316 phone (304) 343-5146 fax

5 Riddle Court Morgantown, WV 26505
(304) 598-2558 phone (304) 598-2472 fax

New Construction



White Sulfur Springs Fire Station

CMA Engineering provided design of HVAC, plumbing, fire sprinkler and fire alarm systems, communication systems, lighting and electrical power for new 7,800sf facility.



WVNG Lewisburg Readiness Center

CMA Engineering provided mechanical, electrical and plumbing design services for a 37,000sf readiness center that includes a vehicle maintenance bay. Construction cost \$6,700,000.



WVNG 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. Construction cost \$7,600,000.



Northview Fire Station, Clarksburg, WV

CMA Engineering provided design of HVAC, plumbing, fire sprinkler and fire alarm systems, communication systems, lighting and electrical power for renovations to 7,000sf existing office facility and new connected garage facility of 7,300sf.

Clingenpeel/McBrayer & Associates, Inc.

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

5 Riddle Court Morgantown, WV 26505
(304) 598-2558 phone (304) 598-2472 fax

New Construction



Bridgeport Public Safety Substation

CMA Engineering provided design of HVAC, plumbing, fire sprinkler and fire alarm systems, communication systems, lighting and electrical power for the new 15,000sf facility that houses both the fire and police departments. The facility is a two-story building on one end with a high bay fire truck section and adjacent one story service space.



Kanawha County Schools Bus Garage

CMA Engineering provided mechanical, electrical and plumbing design services for the addition of a third school bus maintenance bay (1,092sf) at the Elkview Garage.



Deep Creek Maryland Volunteer Fire Department

CMA Engineering provided design of mechanical, plumbing, electrical (power and communications/data and security systems), fire alarm and fire sprinklers systems for the 4,500sf vehicle bay addition to the existing Fire Department facility.



St. Albans Armory

CMA Engineering provided mechanical, electrical and plumbing design services for the renovation of 16,407sf of a single story facility and a single story addition of 13,940sf composed primarily of office space, storage space, a lobby and corridors. The project also included the addition of a free-standing, insulated metal building (approximately 1,760sf) divided into three bays for vehicular storage.

Clingenpeel/McBrayer & Associates, Inc.

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

5 Riddle Court Morgantown, WV 26505
(304) 598-2558 phone (304) 598-2472 fax



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

Armed Forces Reserve Center - Elkins, WV

Multi-Purpose Building - Camp Dawson, WV

These six facilities total over 460,000 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.



PRIOR EXPERIENCE - Fire Stations

Yeager Airport Fire/Crash/Rescue Station, Charleston, WV

TERRADON Corporation, as a subconsultant, provided site civil engineering design for the Yeager Airport Fire/Crash/Rescue Station in Charleston, WV. TERRADON was a part of the design/build team and created civil engineering plans & specifications for the siting of this large, 6-bay drive-thru design station. The team worked with tight existing conditions and infrastructure to make the design work economically.

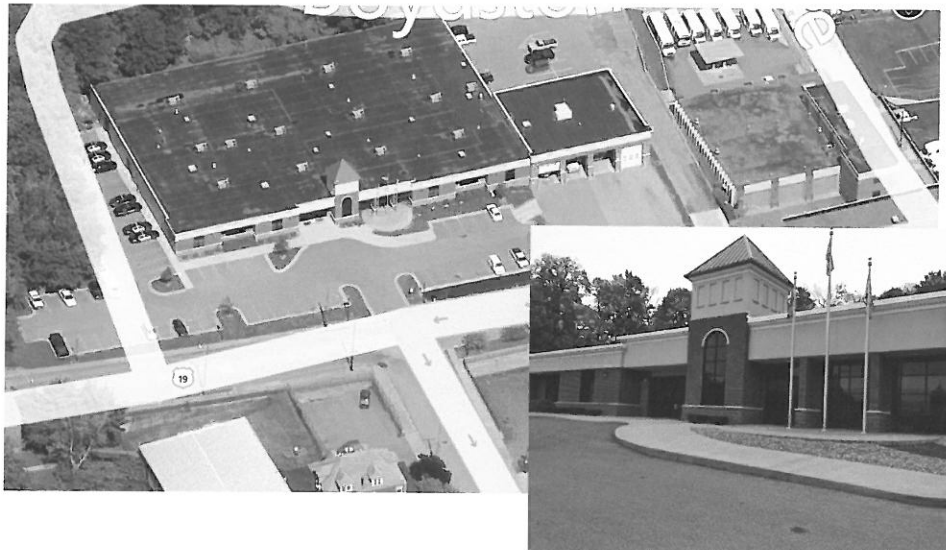


Fairmont Public Safety Building & Fire Station, Fairmont, WV

TERRADON Corporation, as a subconsultant, provided site civil engineering design for the Fairmont Public Safety Building in Fairmont, WV. The Public Safety Building houses the Fairmont Public Works Department, the Fire Department and the Police Department.

TERRADON services included:
Geotechnical Engineering; Design and Boundary Survey, Full Site Engineering Drawings, Layout, Grading, and Drainage and Erosion Control.

TERRADON performed engineering services as a subconsultant to the architect. TERRADON engineers considered site layout options in order to maximize land use while minimizing earthwork and utility installations. TERRADON provided landscape and hardscape design as well.



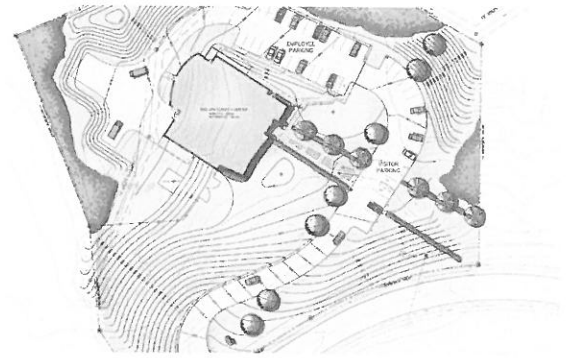
PRIOR EXPERIENCE - First Responder Centers

Kanawha County Metro 911

TERRADON Corporation, as a subconsultant, provided site civil engineering design for the Kanawha County Commission 911 Call Center.

TERRADON services included:

- Design and Boundary Survey
- Full Site Engineering Drawings
- Layout
- Grading
- Drainage and Erosion Control



TERRADON performed engineering services as a subconsultant to the architect. TERRADON engineers considering site layout options in order to maximize land use while minimizing earthwork and utility installations, resulting in an end savings to the owner. TERRADON also designed parking, access, landscapes and hardscapes for the project. The Kanawha County Metro 911 Center is a central emergency hub who coordinates with 47 other agencies in emergency situations.

Lincoln County 911 Call Center

TERRADON Corporation, as a subconsultant, provided site civil engineering design for the Lincoln County Commission for the Lincoln County 911 Call Center. TERRADON performed engineering services as a subconsultant to the architect. TERRADON engineers considering site layout options in order to maximize land use while minimizing earthwork and utility installations. TERRADON provided landscape and hardscape design as well.



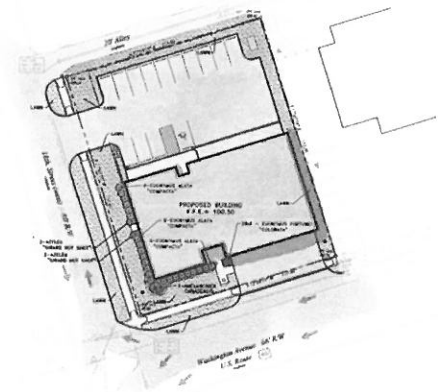
TERRADON services included:

- Design and Boundary Survey
- Full Site Engineering Drawings
- Layout
- Grading
- Drainage and Erosion Control

Cabell County EMS Stations

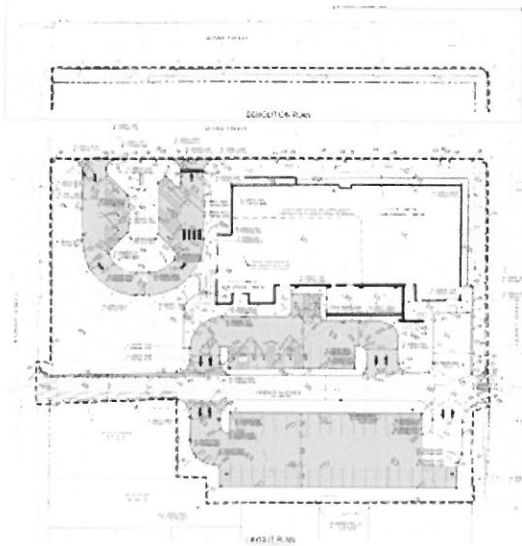
TERRADON Corporation, as a subconsultant, performed Site Civil Engineering Services for two Cabell County EMS Stations—one on Norway Avenue and the other in Westmoreland. TERRADON'S services included site civil engineering design for the following:

- Layout
- Grading
- Drainage
- Utilities
- Erosion and sediment control



PRIOR EXPERIENCE - Civil/Public Buildings

WV Department of Administration State Office Building, Fairmont, WV



TERRADON Corporation, as a subconsultant, is the Site/Civil consultant to the architect and also provided Environmental, Geotechnical and Survey services to West Virginia Department of Administration for the State Office Building located in Fairmont, West Virginia.

TERRADON Environmental team provided phase 1 and phase 2 Environmental site assessments (ESA) for the site, phase 2 ESA consisted of: soil and ground water sampling and pesticide wipe sampling. The team also conducted asbestos survey and lead-paint survey. For the project, TERRADON prepared quantities for bid documents and provided over sight for demolition and abandonment.

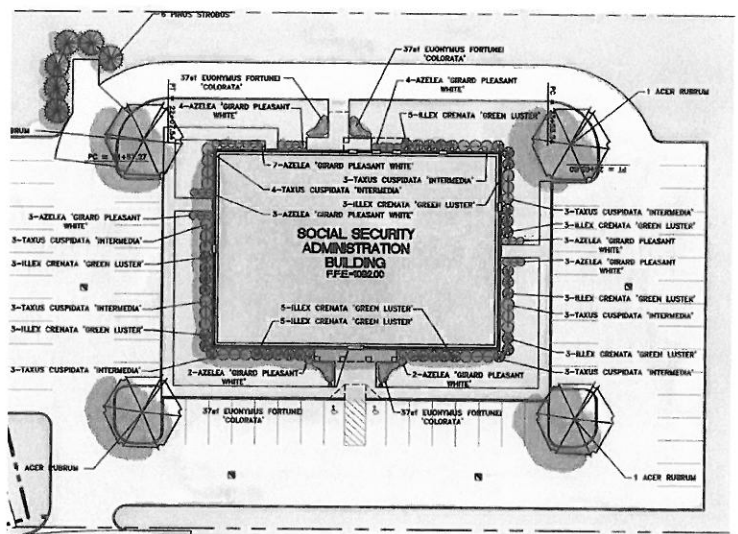
TERRADON Geotechnical experts conducted investigation of existing filled basements and foundation investigation and design of the Fairmont building site.

Social Security Administration Building, Logan, WV

TERRADON, as a subconsultant, Corporation provided site civil engineering design for the Social Security Administration Building in Logan, WV.

TERRADON services included:

- Design and Boundary Survey
- Full Site Engineering Drawings
- Layout
- Grading
- Drainage and Erosion Control



PRIOR EXPERIENCE - Transportation Storage/Dispatching Facilities

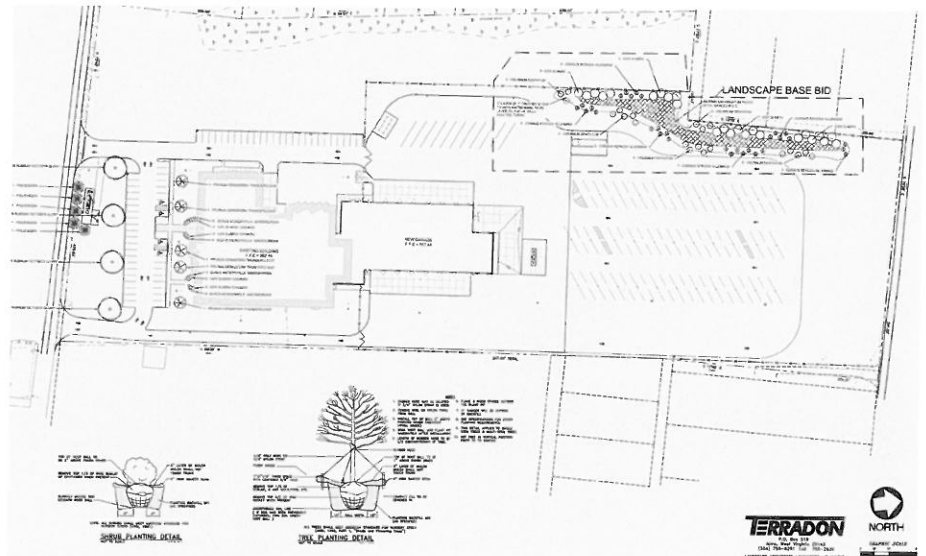
Cabell County Bus Garage

Construction began in April 2013 on the new Cabell County Schools bus garage located in Lesage, WV.

TERRADON Corporation, as a subconsultant, provided site civil design services for this major renovation project, which will house approximately 85 of Cabell County Schools' 120 buses and modernize its transportation operations by offering better access to eastern and central schools in the county. The new facility includes storage space for the large fleet of buses, service and maintenance equipment and wash bays that meet new EPA standards.

TERRADON services included:

- Civil Engineering
- Land Development
- Full Construction Documents
- Layout
- Grading
- Landscaping

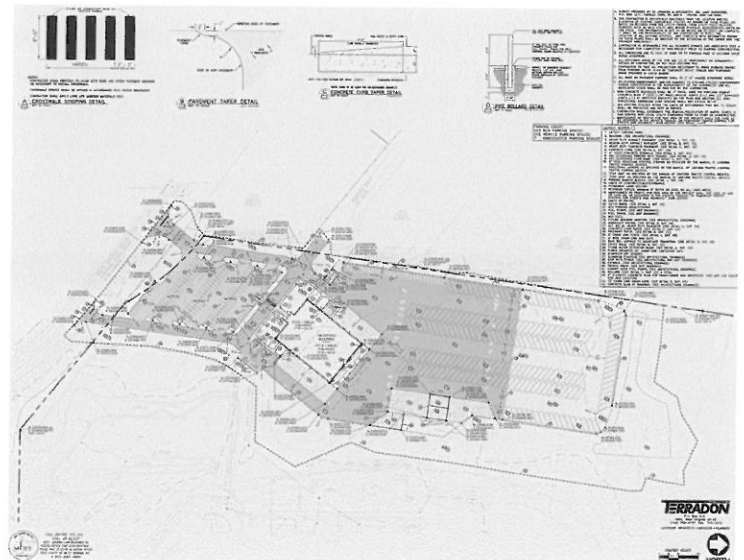


Jefferson County Bus Garage

TERRADON Corporation, as a subconsultant, provided site civil design services for the Jefferson County Bus Garage. When construction begins, this facility will provide parking for more than 200 buses and more than 200 cars. A fueling island, wash bay and new facility building also comprise the location.

TERRADON services included:

- Civil Engineering
- Land Development
- Full Construction Documents
- Layout
- Grading
- Landscaping



Cover Letter

Qualifications & Technical Expertise

Firm Profiles

Projects

Approach/Services

Resumes

WV Forms



SCOPE OF SERVICES

The ETB team of professional consultants can provide the WVARNG with the following services:

- Architectural Design
- M/E/P Design
- Structural Design
- Interior Design
- Site Location
- Master Planning
- Site Development/Parking
- Landscaping Design
- Computer Visualization
- Public Bidding/Analysis
- Construction Administration
- Post-Occupancy Assistance

APPROACH

The services listed above will be accomplished in steps or phases beginning with Preliminary Programming, then the 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. We will not begin work on the next phase of the project without your approval and written authorization.

The information that follows will help you understand each phase.

Programming

Programming is the first phase of the architectural design process in which the relevant values of the client, user, architect, and society are identified; important project goals are articulated; facts about the project are uncovered; and facility needs are made explicit. We are here to help you realize your dreams.

Some of the specific items that will be examined during the programming phase include:

- Objective of the overall building utilization
- Special restrictions and limitations on design
- Characteristics of the site
- Site development requirements
- Characteristics of the proposed occupants
- Specific facility requirements
- Relative location and inter-relationship of the spaces
- Budget
- Flexibility for future growth and changes in function

Schematic Design Phase

ETB and our consultants will work with the WVARNG to identify the needs, size, and design for the new Maintenance Complex. The schematic design documents will establish the general scope and conceptual design of your project, 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 will result 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
- Perspective Sketches/Computer Images
- Preliminary Cost Estimates

Design Development Phase

Services in the design development phase strive to achieve the refinement and coordination necessary for a complete 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.

Our design team arrives at a clear, coordinated description of all aspects of the design, including . . .

- Architectural
- Mechanical
- Electrical
- Plumbing
- Structural
- 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.

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.

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

Contract administration services are important in order to ensure construction conforms to the design intent of the construction documents; to lessen project risks; and to identify and resolve construction problems early. We also strive to 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 5

Cover Letter

Qualifications & Technical Expertise

Firm Profiles

Projects

Approach/Services

Resumes

WV Forms





Todd Boggress

AIA, NCARB, Architect, President

Design and
Production

Steve
Mackey

Nathan
Turner

Technology &
Information

Roy
Morum

Imagery and
Documentation

Dale
East

Chris
Clark

Construction
Administration

Chris
Canterbury

Eric
Gatchell

Consultants

MEP . . .
CMA Engineering

Structural . . .
Moment Engineering

Civil/Site . . .
Terradon Corporation

Todd Boggess, AIA, NCARB, Architect
President

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

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:

Todd's design for the WVARNG Readiness Center in Elkins included the main 50,000 sf single-story facility to serve the Army Reserve and National Guard, along with a separate structure for secure storage, maintenance/ workshop and office space. The needs of the WVARNG were reflected in the design, which includes the following areas:

- assembly hall
- lobby
- administrative wing
- classroom wing
- learning center
- library
- storage areas
- locker rooms
- kitchen/break-room
- Telecon spaces



PROJECTS – Public Buildings

New Construction:

- WVARNG Readiness Center, Elkins, WV
- Mercer County Courthouse Annex, Princeton, WV
- WVDOH District 10 Headquarters Complex
- WVDOH District 6 Headquarters Complex
- WVDOH District 9 Headquarters Complex - *Office Building*
- WVDOH District 1 Headquarters Complex - *Office Building (under construction)*

Renovations:

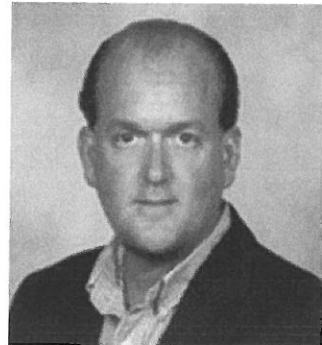
- WVARNG Joint Forces Headquarters, Coonskin Park, Charleston, WV
- Princeton Public Library, Princeton, WV
- Princeton City Hall, Princeton, WV
- Greenbrier County Convention and Visitors Center, Lewisburg, WV
- Mercer County Courthouse Improvements and Energy Upgrades, Princeton, WV
- U.S. Social Security Offices for the GSA, Bluefield, WV
- Pipestem State Park Conference Center Addition & Renovations, Pipestem, WV
- Mercer County War Memorial Building Improvements, Princeton, WV

AWARDS:

- WVAIA "Honor Award" for Renovation Design of the Princeton Public Library – April 2012
- Princeton/Mercer County Chamber of Commerce "Excel Award" – January, 2011
- *West Virginia Executive Magazine's* "Young Guns" - Fall, 2003
- Princeton/Mercer County Chamber of Commerce "Citizen of the Year - 2000"
- Princeton Elks Club "Citizen of the Year - 2000"



Stephen Mackey
Planning & Design



EDUCATION:

- Bachelor of Arts Degree in Design, Clemson University School of Architecture
- Master of Architecture, Clemson University School of Architecture

RESPONSIBILITIES:

With over 28 years of experience in all phases of design and construction, Mr. Mackey brings strong design, management and leadership skills to the firm. His significant experience has enabled him to successfully oversee the design and construction of a number of large government projects. Specific project responsibilities include:

- code review and analysis
- program development
- master plan development
- conceptual design
- design visualization
- project management
- project coordination
- construction specifications

PROJECTS:

Mr. Mackey rejoined ETB Architects in 2009 after serving as Executive Vice President for two Florida Architectural firms. During his absence, Mr. Mackey served as project manager on several large projects for the Savannah District Corps of Engineers including the 72,000 sf Truscott Air Terminal at Hunter Army Airfield in Savannah, Georgia which serves as the platform for deploying and redeploying US Army, Reserve Component Army National Guard and Army Reserve units and soldiers. Additional military and governmental projects he managed include:

- Truscott Air Terminal, Hunter AAF, Savannah, GA
- Florida Air National Guard Drug Interdiction Laboratory, Jacksonville, FL
- Chapel for Kings Bay Naval Submarine Base, Kings Bay, GA
- Concord HH-60 Operations/Para rescue Facility, Moody Air Force Base, GA
- Base Supply Support Centre, Robins Air Force Base, GA
- Florida Dept. of Law Enforcement Crime Laboratory & Office Building, Jacksonville, FL



Roy Morum, LEED G.A.
Project Manager

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. He will be responsible for the ftp site that we will create to share project information. Before joining ETB, Roy completed major works 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's Master's Dissertation, "*A Model for Knowledge Management in an Architectural Enterprise*" deals with effective communication and creative project / information / data management. He has developed processes and skills in this field that contribute much to the successful outcome of a project – and the continued facilities maintenance of a building.

Roy is responsible for . . .

- planning/programming
- construction documentation
- coordination of other disciplines
- ftp site design and implementation
- information management
- responding to contractor's requests for information
- reviewing submittals and shop drawings
- overall project management

PROJECTS:

Roy's expertise in project management and communication is reflected in his use of technology to enhance the delivery process via the internet and FTP. 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.

- WVARNG Readiness Center, Elkins, WV
- Panther/laeger Elementary School, McDowell County, WV
- Mathena Cultural Arts Center, Princeton, WV
- Mercer County Health Center, Green Valley, WV



Nathan Turner, LEED G.A.
Project Manager



EDUCATION:

- Bachelor of Science, Engineering – Architecture, Fairmont State University
- Master of Architecture (May, 2009), Boston Architectural College

RESPONSIBILITIES:

Mr. Turner joined ETB in 2009 and brought with him a wealth of experience in architectural design, as well as construction methods and practices. His prior experience with educational facilities has already proven extremely valuable as we have several elementary, middle, and high school projects at various stages of completion. Nathan has obtained LEED certification and will assist in our efforts to provide a “green” approach to as many projects as possible.

Specific project responsibilities include:

- architectural programming
- construction documentation
- project management
- project coordination
- construction specifications
- construction administration

PROJECTS – Public Buildings:

- Advantage Valley Advanced Technology Center for the WVC&TCS, So. Charleston, WV
- North Central Advanced Technology Center for the WVC&TCS and Allied Health, Fairmont, WV
- New River Community and Technical College Headquarters & Allied Health Building, Beckley, WV
- New River Community and Technical College Arts & Sciences (Renovation), Lewisburg, WV
- WV Council for Community and Technical College Education - Facility Programming
- Rainelle Elementary School for Greenbrier County, WV
- Lewisburg Elementary School for Greenbrier County, WV



Chris Canterbury, Associate AIA
Construction Admin Manager



EDUCATION:

- Bachelor of Science Engineering Technology/Architecture, Fairmont State University

RESPONSIBILITIES:

Chris joined ETB in 2000 as a CADD Technician. His focus in recent years has been project administration and his current position of Construction Administration Manager reflects that area of expertise. 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.

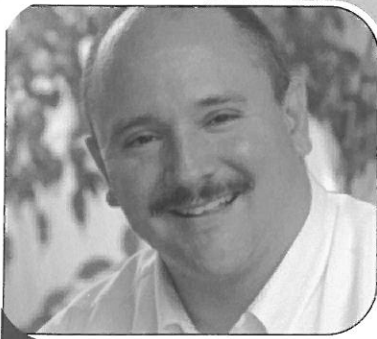
Chris is responsible for . . .

- construction administration
- 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
- site visits/observations

PROJECTS – Public Buildings:

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. Chris was also very involved in the renovations at the Princeton Library, again closely monitoring the budget and keeping change orders to a minimum.

- Princeton Public Library (*Renovations/Adaptive Re-use*), Princeton (USDA Funded)
- Greenbrier Convention & Visitors Center (*Renovations/Adaptive Re-use*), Lewisburg
- Rupert Library (*Renovations*), Rupert, WV (USDA Funded)
- Mercer County War Memorial Building (*Renovations*), Princeton
- Mercer County Courthouse Annex, Princeton



Timothy L. Cox, P. E., CBCP

President
Mechanical Engineer
(304) 598-2558
tcox@cmawv.com

Education

University of Colorado
Boulder, Colorado
Bachelor of Science in Mechanical Engineering

Registrations/Professional Affiliations

Registered Professional Engineer in WV, VA, MD, KY
Association of Energy Engineers-CBCP
CPD (Certified in Plumbing Engineering)
Member of ASHRAE
American Society of Plumbing Engineers
National Association of Fire Protection Engineers
WV Society of Healthcare Engineers
WV Chapter of A.I.A.

Experience

Timothy Cox, President and Senior Mechanical Engineer of CMA Engineering, brings 35 years of mechanical and plumbing design experience to our clients. Timothy is a Certified Building Commissioning Professional through Association of Energy Engineers.

Project Experience

Design/Build-Criteria Development

Morgantown Events Center
West Virginia University Intermodal Parking
Marshall University Parking Facility
Yeager Airport Facility

Educational Facilities K-12

New Rainelle Elementary School
Salem Middle School Classroom Addition
South Harrison High School HVAC Replacement
South Harrison Middle School HVAC Upgrades

West Virginia University-Open End Contract since 1999

Coliseum Life Safety Renovations
New Soccer Stadium
New Wrestling Training Facility
Engineering Science Building Addition & Renovations

Military Experience

New Moorefield Readiness Center
New Elkins Readiness Center
Gassaway Armory Addition & Renovations
St. Albans Armory Addition

Mylan Pharmaceuticals, Morgantown, WV

Various projects including HVAC plumbing, fire sprinkler and controls for new North Plant expansion, office building, fluid bed addition, parking garage and weighing and packaging

Clingenpeel/McBrayer & Associates, Inc.

824 Cross Lanes Drive Charleston WV, 25313
(304) 343-0316 phone (304) 343-5146 fax

5 Riddle Court Morgantown, WV 26505
(304) 598-2558 phone (304) 598-2472 fax



**Daniel L. Ellars, P. E.,
LEED AP BD+C**

Principal
Electrical Engineer
(304) 343-0316
dellars@cmawv.com

Education

West Virginia University Institute of Technology
Montgomery, WV
Bachelor of Science in Electrical Engineering

West Virginia State University
Institute, WV
Bachelor of Science in Business Administration

Registrations/Professional Affiliations

Registered Professional Engineer in WV, PA
Leadership in Energy & Environmental Design-
Accredited Professional-Building Design and
Construction
U.S. Green Building Council
Member of ASHRAE
National Fire Protection Association
Institute of Electrical & Electronics Engineers
WV Chapter of A.I.A.

Experience

Daniel Ellars, senior electrical engineer for CMA Engineering, brings 25 years of electrical design and project management experience to our clients.

Project Experience

Recreational Facilities

Summit Bechtel National Scout Reserve
Canaan Valley Ski Resort

Educational Experience

New Talcott Elementary School
New Fairdale Middle School
Chamberlain Elementary-Elevator Addition
East Bank Middle School HVAC and Lighting Renovations
New Pikeview Middle School
Nitro High School Commons Area Renovations

Military Experience

New Moorefield Readiness Center
New Elkins Readiness Center
St. Albans Armory-Addition and Renovations
Gassaway Armory-Addition and Renovations
Welch Armory Electrical Upgrades
Bluefield Armory Electrical Upgrades
Dunbar Armory Electrical Upgrades

WV Department of Transportation

New District 1 Administration Building
New District 8 Administration Building

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Matthew C. Corathers, P.E.

Mechanical Engineer
(304) 598-2558
mcorathers@cmawv.com

Education

West Virginia University
Morgantown, WV
Bachelor of Science in Mechanical Engineering

Registrations/Professional Affiliations

Registered Professional Engineer in WV
Member of ASHRAE
WV Society of Healthcare Engineers

Experience

Matthew Corathers, mechanical engineer, has over eight years of experience in design and project management.

Project Experience

West Virginia University
New two-story Child Care Facility
Engineering Science Building— Laboratory Renovations

Hospital Experience

Davis Memorial Hospital-New Addition
United Hospital Center-New MRI facility
VA Hospital, Clarksburg, WV-Renovations to Dental Lab
Mercer County Nursing Home-Addition

Military Experience

New Moorefield Readiness Center
Gassaway Armory Renovations
St. Albans Armory Addition & Renovations

Court Houses

Randolph County Courthouse-Mechanical design for completion of two-story addition and modifications of the existing second floor to be used by the Family Court
Monongalia County Family Court-Renovations

Educational Facilities

Harrison County Schools-Fire Alarm replacement at Robert C. Byrd High School, Nutter Fort Elementary and Lost Creek Elementary
University High School-HVAC Upgrades for use as a middle school
New Rainelle Elementary School-HVAC Design
Aurora Elementary School Addition-Mechanical Design

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(304) 598-2558 phone (304) 598-2472 fax



Larry A. Weese

Plumbing Designer
(304) 343-0316
lweese@cmawv.com

Education

West Virginia University
Morgantown, WV
Master of Science, Bachelor of Science-
Division of Forestry

Professional Development

Various seminars and technical sessions

Experience

Larry Weese brings 20 years of mechanical and plumbing design and project management experience to our clients.

Project Experience

Educational Facilities K-12

New Sissonville Middle School
New Lewisburg Elementary School
New Talcott Elementary School
New Fairdale Elementary School
Nitro High School Toilet Renovations
Nitro High School HVAC Upgrades
Shady Springs High School HVAC Upgrades
Shady Springs High School Addition
Liberty High School HVAC Upgrades

WV Department of Highways

New District 1 Administration Building
New District 8 Administration Building

Military Facilities

St. Albans Armory Addition and Renovations
Gassaway Armory Renovations
New Elkins Readiness Center
New Moorefield Readiness Center

Emergency Response Facilities

Randolph County 911-New Facility
Mason County 911-New Facility
Raleigh County 911-New Facility
Orchard Manor Fire Station-New Facility

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(304) 598-2558 phone (304) 598-2472 fax

Resume



Douglas R. Richardson, PE, LEED AP
Principal 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, VA and KY

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

LEED Accredited Professional

Professional Affiliations

American Society of Civil Engineers

American Concrete Institute

American Institute of Architects, Professional Affiliate

Structural Engineering Institute

Timber Framers Guild

US Green Building Council

Engineers Without Borders-USA



TECHNICAL EXPERTISE - KEY PERSONNEL

Greg Fox, ASLA, LEED AP **VP Land Planning & Development**

Greg Fox has overseen the Land Development Department at TERRADON since its inception in 2000. He offers more than 25 years of industry experience, providing design services to a variety of markets. During his tenure, the Land Development Group has completed more than one hundred K-12 Educational projects and dozens of Higher Education projects.

Under his guidance, the group has been the recipient of Engineering Excellence awards from the West Virginia Association of Consulting Engineers, and the Gold Award for Engineering Excellence from the American Council of Engineering Companies. Additionally, the Land Development Group has been recognized numerous times for Merit Awards by the West Virginia Chapter of American Society of Landscape Architects. Fox is a registered Landscape Architect in West Virginia, Ohio, North Carolina, South Carolina, Pennsylvania and Virginia. He is an active member of the American Society of Landscape Architects. Fox received degrees in Landscape Architecture and Planning from West Virginia University.

Jim Nagy, PE **Utility Infrastructure**

Nagy performs Civil Engineering related to water and waste water projects at TERRADON. He specializes in the design of water treatment and distribution systems. He has more than 25 years of on-hand experience providing engineering for the largest private water company in West Virginia. He earned a B.S. in Civil Engineering from West Virginia University. His primary focus is on management of water and wastewater projects. He also performs design work related to water distribution systems and sewage collection systems.

Shawn Gray, ASLA **Landscape Architect**

Shawn Gray is an experienced Site Designer and Land Planner who serves as an integral part of the TERRADON design team. He offers experience on many of TERRADON's highest profile projects, focusing on large scale site development and parks and recreation projects. Gray also provides site design and landscape architecture services for K-12 and Higher Education projects. He is responsible for developing site, grading, landscape and utility plans, site detailing and erosion sediment control plans and permitting.

Peter J. Williams, ASLA **Landscape Architect**

"Pete" Williams is a graduate of West Virginia University with a Bachelor of Science in Landscape Architecture. His responsibilities include landscape architectural design, grading and storm water drainage design, the design of pedestrian circulation systems and related amenities, roadway design, site planning, and quality control. Mr. Williams is registered as a professional Landscape Architect in West Virginia with more than 13 years of experience at TERRADON and more than 22 years of overall experience.

Robert Thaw, PS **VP Survey and Mapping**

Robert Thaw, Vice President of Survey and Mapping, oversees all TERRADON Survey services. TERRADON's survey group serves a diverse range of projects in support of TERRADON's service groups in addition to managing survey-specific clients. Thaw manages a staff of Professional Surveyors and Computer Aided Drafting (CAD) designers who provide mapping, construction layout, ALTA survey, topographic survey and boundary survey services. Thaw's leadership has been instrumental in TERRADON's prioritization of the use of modern technology, ensuring clients the most efficient and accurate results. Additionally, he is responsible for in-house design of commercial property sites, parking and utility easements, and review of project plans and base mapping creation. Thaw's group also provides as-built surveys, utility identification surveys and deformation monitoring of design features such as retaining walls and dams.

Bill Hunt, PG, LRS **VP Geo-Environmental, Materials Testing and Inspection**

Bill Hunt serves as Vice President of Geo-Environmental at TERRADON Corporation. He will oversee any environmental needs, permitting and direct work for geotechnical tasks and testing and inspection required of the project. Hunt offers relevant experience in environmental documentation, investigations, and coordination with federal, state, and local agencies. He prepares Environmental Impact Statements, Environmental Assessments, Section 4(f) Evaluations, and other environmental technical documents. He supervises and participates in work plan development, field surveys, on-site monitoring, data collection, impact analysis, subconsultant management, public meeting organization and group presentations.

Section 6

Cover Letter

Qualifications & Technical Expertise

Firm Profiles

Projects

Approach/Services

Resumes

WV Forms



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 exceeds five percent of the total contract amount.

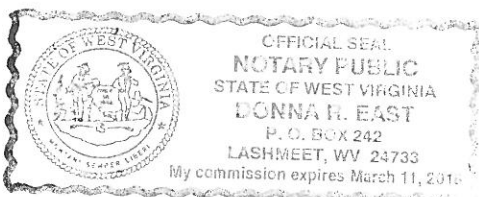
EXCEPTION: The prohibition of this section does not apply where a vendor has contested any tax administered pursuant to chapter eleven of this code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a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

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

WITNESS THE FOLLOWING SIGNATUREVendor's Name: E.T. Boggess, Architect, Inc.Authorized Signature: *E.T. Boggess* Date: January 5, 2015State of West VirginiaCounty of Mercer, to-wit:Taken, subscribed, and sworn to before me this 5 day of January, 2015.My Commission expires March 11, 2018.

AFFIX SEAL HERE

NOTARY PUBLIC

Donna R. East



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

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

Proc Folder: 54988

Doc Description: EOI - Coonskin Park Maintenance Complex Building Design

Proc Type: Central Purchase Order

Date Issued	Solicitation Closes	Solicitation No	Version
2014-12-10	2015-01-06 13:30:00	CEOI 0603 ADJ1500000003	1

BID RECEIVING LOCATION

BID CLERK

DEPARTMENT OF ADMINISTRATION

PURCHASING DIVISION

2019 WASHINGTON ST E

CHARLESTON

WV 25305

US

VENDOR

Vendor Name, Address and Telephone Number:

E.T. Boggess, Architect, Inc.

PO Box 727

Princeton, WV 24740

101 Rockledge Avenue

304-425-4491

FOR INFORMATION CONTACT THE BUYER

Tara Lyle

(304) 558-2544

tara.l.lyle@wv.gov

Signature X

FEIN #

55-0515917

DATE

January 5, 2015

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

CERTIFICATION AND SIGNATURE PAGE

By signing below, or submitting documentation through wvOASIS, I certify that I have reviewed this Solicitation in its entirety; understand the requirements, terms and conditions, and other information contained herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

E.T. Boggess, Architect, Inc.

(Company)


(Authorized Signatur

Todd Boggess, President

(Authorized Signature) (Representative Name, Title)

304-425-4491 / 304-425-2028 / January 5, 2015

(Phone Number) (Fax Number) (Date)

ADDENDUM ACKNOWLEDGEMENT FORM
SOLICITATION NO.: CEOI - ADJ1500000003

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

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

Addendum Numbers Received:

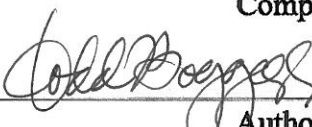
(Check the box next to each addendum received)

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

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that 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.

E.T. Boggess, Architect, Inc.

Company



Authorized Signature

January 5, 2015

1/5/14

Date

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