

E. T. BOGCESS, ARCHITECT, INC.
P.O. BOX 727
PRINCETON, WEST VIRGINIA 24740
(304)425-4491
(304)425-2028 FAX

LETTER OF TRANSMITTAL

PROJ. NO:

DATE: February 2, 2010

TO: Purchasing Division
 2019 Washington Street, East
 PO Box 50130
 Charleston, WV 25305-0130

Atten: John Abbott

RE: COR61447

GENTLEMEN:

We are sending you Enclosed by UPS the following items:

- Prints CD Specifications Shop Drawings/Submittals
 Application & Certificate for Payment Qualifications

COPIES	DATE	SHEET	DESCRIPTION OF ENCLOSED ITEMS
6			<i>Expression of Interest – Work Release/Training Centers</i>

Remarks:

THESE ARE TRANSMITTED as checked below:

- For Payment Resubmit As requested
 For your information/use Approved as submitted Returning your information
 For review and comment Approved as corrected Please return to ETB

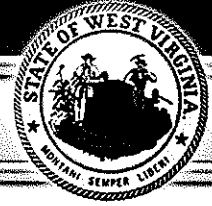
Signed: Todd Bogcess, AIA, NCARB, Architect

If enclosures are not as noted, kindly notify us at once

Requisition #COR61447 - February 2, 2010



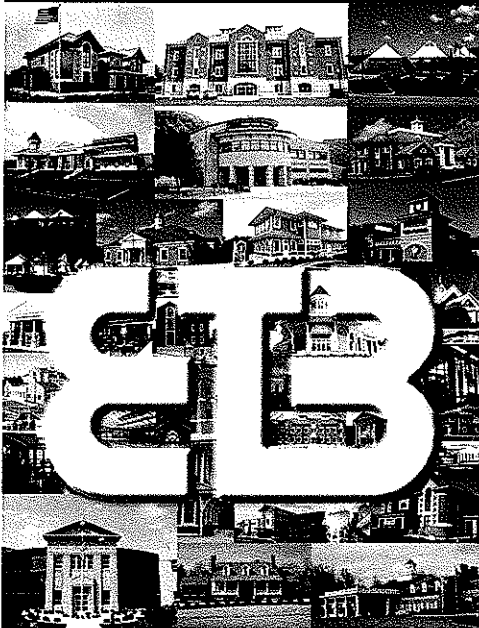
West Virginia Division of Corrections



WORK RELEASE / TRAINING CENTERS

New Construction & Renovations

PROJECT TEAM

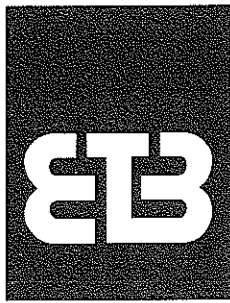


E.T. BOGGESS, Architect, Inc.
101 Rockledge Ave. Princeton, WV 24740
304-425-4491

THOMPSON & LITTON
227 West Main Street Tozwell, VA 24651
276-988-7921



THOMPSON & LITTON
ENGINEERS ARCHITECTS SURVEYORS PLANNERS



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

■ February 2, 2010

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

Dear Mr. Abbott:

The E. I. Boggess, Architect, Inc., team is ready to begin designing your new construction and/or renovations to existing buildings for the purpose of creating Work Release/Training Centers. Our team has experience with new facility construction, as well as all types of renovations that may be involved. We understand the specific needs and challenges associated with this type of project and will ensure that all security concerns are handled appropriately.

I will be your architect and will be responsible for addressing the immediate and future needs of the various facilities. ETB will be coordinating the activities of our only outside consultant, Thompson & Litton, who will be responsible for the mechanical/electrical/plumbing, structural, and civil engineering. Our team will work closely with the Division of Corrections, specific representatives from the work release/training program, as well as any other individuals you recommend.

ETB has provided the State of West Virginia and other local governmental agencies with services ranging from new construction to a wide range of renovations. We worked closely with the WV Supreme Court of Appeals during the design of the Mercer County Courthouse Annex. The Work Release/Training Centers will incorporate various building types into one facility that includes office areas, training/educational areas, and residential. The WVDOH will benefit from the wide range of experience we have obtained over the past 44 years.

Our team is here to offer you the best in service, knowledge, and experience. Thank you for your consideration.

Sincerely,

A handwritten signature in black ink, appearing to read 'Todd Boggess', written over a printed name.

Todd Boggess, AIA, NCARB, Architect
President

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

RECEIVED

2010 FEB -2 AM 10:14

WV PURCHASING
DIVISION

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SECTION ONE

Executive Summary

Executive Summary

E.T. Boggess, Architect Inc.

Work Release/Training Centers

The team of E.T. Boggess, Architect, Inc. (ETB) and Thompson & Litton, Inc. (T&L) will bring expertise in the design, renovation, and construction of work release and training facilities for the WV Division of Corrections. We understand the unique attributes of these facilities and can satisfy all the needs of the administration and offenders as they prepare for their re-entry into society. Our designs will create a positive environment that will improve morale and foster a sense of pride at a time when any type of encouragement is appreciated.

The information that follows addresses the elements outlined in the RFQ.

Qualifications & Expertise

ETB has been fortunate to provide both new construction and renovation services to a number of governmental agencies over the past ten years including:

- WV School Building Authority
 - Mercer Schools
 - Greenbrier Schools
 - McDowell Schools
- WV Army National Guard
- WV Department of Highways
 - District 6
 - District 9
 - District 10

- WV Higher Education Policy Commission
- WV Council for Community & Technical College System
- WV Division of Natural Resources
- WV Turnpike Authority
- Mercer County Commission (multiple projects)
- Nicholas County Commission
- Cities of ...
 - Princeton
 - Bluefield
 - Athens

ETB and T&L (our single consultant) will provide all required A/E services including architectural and correctional planning and design, structural design, mechanical, electrical, and plumbing engineering, and civil engineering. Thompson & Litton has developed a very specialized criminal justice practice that has delivered numerous projects for local, state, and federal clients. In fact, every regional jail and local jail facility built since 1995 west of Roanoke, Virginia has been designed by T&L. Since that time, they have been responsible for over 2,400 approved inmate beds and approximately 1.0 million square feet of correctional facility construction.



Executive Summary

E.T. Boggess, Architect Inc.

Over the past 44 years, ETB has successfully accomplished a variety of projects including, governmental, educational, recreational, and commercial. We are not an expert in any specific field. Instead, we have chosen to focus on satisfying the needs of our client. We have adopted an *interactive design approach* to do just that.

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.

Utilizing the interactive design approach will best serve the needs of the WV Division of Corrections 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 objectives, organization and explore the impact your project can have on the inmates, administration, and local citizens.
- **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.



Executive Summary

E.T. Boggess, Architect Inc.

Energy Consumption

The ETB/TL team has always displayed a great deal of concern for the energy consumption associated with our new facilities. There are a number of items presented in *Section 4 High Performance/ Sustainable Design* that we have utilized over the years. This material shows the approach we used and have been very successful in adopting. Regardless of whether you choose to seek LEED certification, this approach will reduce your energy consumption, provide for a healthier environment, be more efficient to operate, and be thermally, visually and acoustically comfortable.

Our team also includes LEED certified professionals who will endeavor to choose the green approach whenever possible.

Construction Management

Contract management/administration services are important in order to ensure construction conforms to design intent and assists the Owner in understanding the entire process.

The architect, serving as a construction administrator, observes construction for conformity to construction documents and specifications, and can resolve construction problems early.

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.

This information, along with photographs taken during the construction of a recent project, can be found in *Section 3 Scope and Approach*.

Timelines

While the architect does not have control over all variables, we see know reason why our team cannot comply with any timelines you establish. Our team is of sufficient size to accommodate your schedule and we can begin the process immediately.

We have an excellent relationship with a number of contractors throughout our state and have always been able to work with them in the best interest of the project.



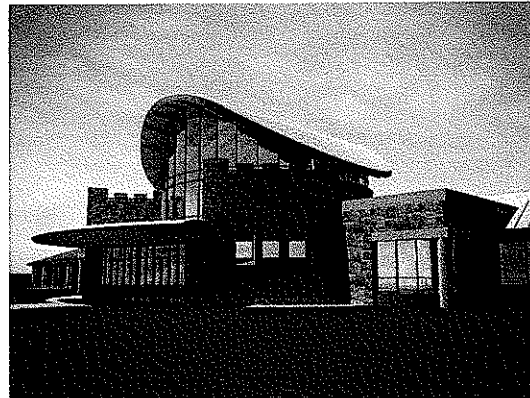
Executive Summary

E.T. Boggess, Architect Inc.

Conclusion

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. Our team recognizes the importance of a major capital expenditure for the Divisions of Corrections and the necessity that all budgets and schedules are met. You will benefit from 44 years of experience designing within the confines of strict budgets and tight construction schedules.

The ETB team can fully satisfy all your needs for professional services. We believe the information we have provided addresses any questions you may have concerning our qualifications and ability to perform the necessary work and we would welcome the opportunity to serve your agency.



WVARNG Readiness Center, Elkins, WV



SECTION TWO

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 minutes away from the project site. 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 44 years, ETB has accomplished many different types of buildings in 12 different states and 1 foreign country.



Firm Profile

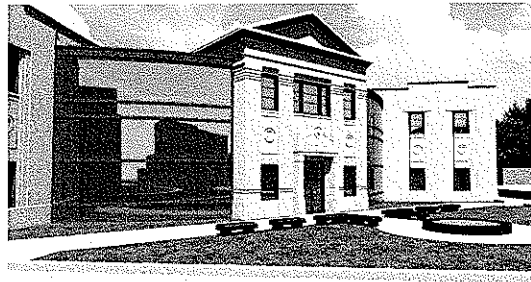
E.T. Boggess, Architect Inc.

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 State of West Virginia will benefit from our experience, combined with ongoing technological research and innovations.



*Four Seasons YMCA
Tazewell, VA*



*Mercer County Courthouse Annex
Princeton, WV*



*First Century Bank
Beckley, WV*



Overview of Thompson & Litton.



Integrity. Insight. Innovation. In Every Project. In Every Community. In Everything We Do.

Since 1956, these words have guided the professional development of Thompson & Litton. Our visionary founders, William A. Thompson, Jr. and John W. Litton, built their engineering practice on rock-solid principles reflecting and honoring the character of the rugged, individualistic people of Southwestern Virginia. The partners' first projects served the region's vital coal industry. Over the next 54 years, hundreds of different type projects and clients helped Thompson & Litton expand its services and practice with the firm active today in five Mid-Atlantic States. Thompson & Litton currently has a staff of 123 employees. Since its earliest days, Thompson & Litton has emphasized serving its clients by producing quality work by committed people. Bill Thompson often underscored that dedication by noting that "Firms don't design projects. People do." Today at Thompson & Litton, we continue our founders' philosophy by recruiting and maintaining qualified professionals and providing proper resources of equipment, software, and continuing education to ensure their success.

Client needs and wishes have been the guiding force in our firm's development. We were founded on the principle that we exist to serve our clients as together we improve the built environment. We have grown because we listen and respond to the needs of our communities and our clients. At T&L, we are committed to being our clients' partner in serving their stakeholders and doing so in a spirit of mutual trust and respect.

We believe that spectacular things can happen when an organization opens its mind to hear what the people they serve have to say. Our customers tell us how to serve them better. They want to work with good people, professionally and ethically. We deliver. They said the future would demand bold, creative solutions and an increased emphasis on the world around us. We listened and adapted. Our clients themselves are leaders and innovators. Taking their advice to heart is one of the foundational cornerstones on which Thompson & Litton's professional practice has been built and is an equally important factor in our success. As our clients diversify, we step up to each new challenge with evolving capabilities of our own to meet their needs, working together to achieve a mutual goal for a better-built environment.

Thompson & Litton serves its five-state Mid-Atlantic client base from offices in Wise, Radford, Clintwood, Chilhowie, Buchanan County, and Tazewell, Virginia, and in Bristol, Tennessee, with a professional and support staff of architects, engineers, surveyors, land-use planners, construction administrators, grant/financing specialists, and other support personnel.

Established in 1956
54 Years of Continuous Service

123 Employees

Project Management and
Coordination

Environmental, Surveying,
Planning and Project Financing
Services

Engineering and Architectural
Design

Construction Administration and
Inspection

7 Offices
Bristol, Tennessee
Wise, Virginia
Radford, Virginia
Tazewell, Virginia
Clintwood, Virginia
Chilhowie, Virginia
Vansant, Virginia

29 Registered Professional
Engineers

6 Registered Professional
Architects

4 Registered Surveyors

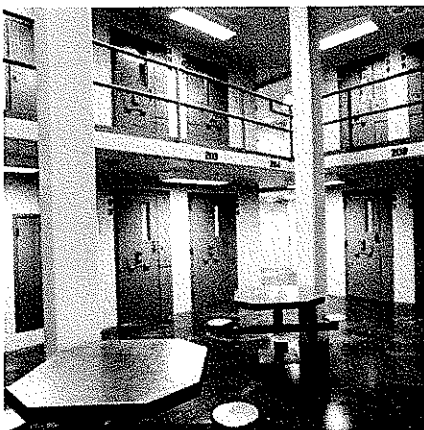
T&L's professionals are licensed to
practice in Virginia, Kentucky,
Tennessee, West Virginia, North
Carolina, Maryland and beyond.

T&L's Criminal Justice Experience.



Why T&L?

- We value the trust and sentiments of our current and previous clients



Thompson & Litton is proud to have participated in the design of every local, regional, state or federal detention facility west of Roanoke, Virginia, constructed in the last 10 years. Five of these facilities were developed from the grass roots level as a solution to ever increasing inmate populations accompanied by deteriorating city and county facilities. T&L worked hand in hand with each community and municipality, the Virginia Department of Corrections, and a variety of specialized consultants to successfully plan, design, and construct these important facilities.

Beyond Thompson & Litton's wealth of experience with the municipalities of Southwest Virginia and Southern West Virginia is a strong history of projects of varying size and scope, delivered to other Governmental Clients on Criminal Justice Facilities. These projects include:

- New River Valley Regional Jail
- New River Valley Regional Jail Expansion & Renovation
- Southwest Virginia Regional Jail System
 - Abingdon Regional Jail Facility
 - Haysi Regional Jail Facility
 - Duffield Regional Jail Facility
- Tazewell County Courthouse and Jail
- Western Virginia Regional Jail
- Patrick County Jail
- St. Brides Correctional Center
- Deerfield Correctional Center
- Green Rock Correctional Center
- Pocahontas State Correctional Center
- Mount Rogers Correctional Center
- Keen Mountain Correctional Center
- Bland Correctional Center
- Appalachian Correctional Unit
- Tazewell Correctional Unit
- Botetourt Correctional Center
- Goochland Women's Correctional Facility
- Red Onion State Prison
- Wallens Ridge State Prison
- Lee County Federal Prison
- Beckley Federal Correctional Facility

Thompson & Litton's LEED Certified Projects



Western Virginia Regional Jail



VCU Dental Clinic at Wise, VA



Franklin County
Government Center

LEED is an acronym which stands for Leadership in Energy and Environmental Design. The program, created by the U.S. Green Building Council (USGBC), encourages the use of sustainable practices in the design and construction of buildings and property development. Accredited Professionals in the program have demonstrated knowledge of design and construction of high-performance, healthful, durable, affordable, and environmentally sound commercial, institutional, and high-rise residential buildings.

Thompson & Litton is committed to designing buildings and infrastructure in an environmentally conscientious manner. In addition to the LEED AP program, the firm continues to develop new and creative methodologies for developing LEED Certified projects in our service area, that are both affordable, and serviceable over the life of the building.

The following list is all projects designed by Thompson & Litton that are pursuing LEED Certification.

- Western Virginia Regional Jail, Roanoke, Virginia
- VCU Dental Clinic, Wise, Virginia
- First Presbyterian Church Renovation, Bristol, Tennessee

Also, Thompson & Litton has designed several projects that have green components and are listed below:

- Lonesome Pine Regional Business & Technology Park, Wise, Virginia
- Radford Public Safety Building, Radford, Virginia
- Emory & Henry Brooks Field House, Emory, Virginia
- Virginia's Nanotechnology Park, Dublin, Virginia
- Franklin County Government Center, Rocky Mount, Virginia
- UVA Wise New Library, Wise, Virginia
- Appalachian American Energy Research Center, Wise, Virginia
- Southwest Virginia Community College Russell Hall Renovation, Lebanon, Virginia
- UVA Wise Multi-Purpose Center, Wise, Virginia

SECTION THREE

Scope and Approach

Scope of Services and Approach

E.T. Boggess, Architect Inc.

SCOPE OF SERVICES

The EITB team of professional consultants can provide the State of West Virginia Divisions of Corrections with any or all of the following services:

- Architectural Design
- M/E/P Design
- Structural Design
- Site Selection/Evaluation
- Site Development/Parking
- Landscaping Design
- Feasibility Studies
- ADA Compliance Evaluation
- Computer Visualization

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 Management/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.

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, if necessary.

Schematic Design Phase

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
- 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.



Scope of Services and Approach

E.T. Boggess, Architect Inc.

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.

Your design team arrives at 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.

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 Management / Administration Services

Contract management/administration services are important in order to ensure construction conforms to design intent and assists the Owner in understanding the entire process.



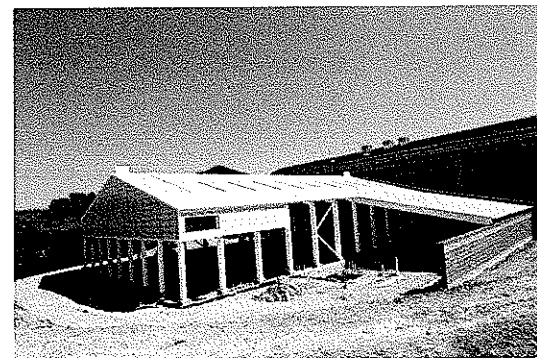
Scope of Services and Approach

E.T. Boggess, Architect Inc.

The architect, serving as a construction administrator, observes construction for conformity to construction documents and specifications, and can resolve construction problems early.

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.



All of the pictures on this page were taken during construction of the Four Seasons YMCA project in Tazewell, VA.



SECTION FOUR

High Performance/ Sustainable Design

High Performance / Sustainable Design

E.T. Boggess, Architect, Inc.

High Performance Design

High Performance Buildings – 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 environments for their users and employees, cost less to operate, and help protect the environment. High Performance Buildings are healthier (superior indoor air quality); thermally, visually, and acoustically comfortable (day-lighting); energy, water and material efficient (life cycle cost analysis); safe and secure, adaptable, and easy to operate and maintain. They also incorporate environmentally responsible site planning, stimulating architecture, foster a sense of pride and accountability, and provide a resource for the entire state.

Our team of professionals will design the new and renovated facilities so that each one will be more user-friendly and comfortable. The design will also help the Division of Corrections to retain quality staff, reduce operating costs, and reduce liability, all in an environmentally friendly and economical manner by utilizing High Performance Facilities design.

We are committed to providing facilities that incorporate both High Performance and Sustainable Design features so that our state's natural resources and finances are best utilized.

Sustainable Design

Sustainable Design is a direction in architecture that we have been practicing for many years. Our team has three members who are already Leed Certified and others who should accomplish this in the near future. 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. It truly is a team effort to make it work to everyone's satisfaction.

Sustainable design recognizes the interdependence of the built and natural environments; it wants to harness natural energy flows and biological processes, eliminate reliance on fossil fuels and use of toxic materials, while improving resource efficiency.

The following information contains ideas and recommendations that we reference on all of our projects.



*Site, Water, Energy, Materials and
Indoor Environmental Quality*

These are the five impact categories the LEED credits are organized under. These areas are related and interconnected. For this reason, some credits will impact more than one category. This LEED approach will be utilized to describe our design approach that is sustainable, cost effective, and compliant to state requirements, scope, and applicable codes.

Sustainable Sites

- Site selection should take advantage of the East-West linear axis to expose much of the building to North/South light – Passive Solar.
- The site should not harm the surrounding environment, but make improvement on water, soil, and habitat.
- Limit disruption to existing vegetated terrain. Natural forested areas should remain as is, thus reducing direct site impact.
- When designing the overall building and the structure, prevailing wind direction and building orientation to minimize heating/cooling costs.
- Buffer zones should be left as undisturbed as possible.

- Landscape strategy should slow down, retain and bioremediate stormwater runoff. Indigenous plantings of grasses, low shrubs, and trees, create more porous, diverse, and shaded sites.

Water Efficiency

- We often take for granted the precious nature of water as a resource. Strategies for reducing consumption of potable water should be practiced where practical. This kind of conservation based on practicality and wise use has no sacrifice on our quality of life.
- The overall site development lay-out and design should make use of existing site terrain slopes and drainage patterns.
- By recapturing site water, the use of potable water can be entirely eliminated for landscape and maintenance purposes.
- One of the facets of a building that can consume enormous quantities of water is the landscape. Landscaping should be accomplished using native plants that are adapted to their environment without much need of irrigation, pest control, or maintenance.



- Efficient fixtures range from low flow flush valve toilets to waterless urinals that can dramatically reduce consumption rates. Waterless urinals also require less plumbing and less maintenance, which can reduce first cost and life cycle costs. Sensor faucets and gray water plumbing systems can reduce consumption as well.
- Installation of watersaving and automatic shut off, sensor activated, plumbing fixtures.

Energy and Atmosphere

- Improve energy efficiency while ensuring thermal comfort thru the development of passive solar strategies to improve comfort and reduce energy demands first; then optimize the efficiency of the HVAC system.
 - Energy efficiency is one of our team's top priorities because of the broad range of impacts that energy production has on the environment and economy. LEED promotes not only reducing a building's dependence on energy, but in improving the sources of what energy it does consume.
- Design strategies that are effective in reducing the energy consumption have an important relationship on the ones that will be effective in improving the indoor environmental quality.
 - Explore opportunities to reduce reliance on fossil fuels and to use cleaner sources of power.
 - The building orientation and design should maximize the South and North light, and minimizes the harsh, harder to control, low sun at sunrise and sunset.
 - The use of exterior shade devices and interior light shelves should reflect the direct rays, diffusing daylighting and bringing it further into the interior.
 - HVAC strategies that reduce energy use of mechanical systems can be passive – using building envelope design natural ventilation strategies in the design of spaces, as well as active-relying on technologies like displacement ventilation. This stack effect of rising hot air pulling cool air upward can potentially serve as a light source throughout a building.



- Daylighting is a passive strategy that improves the indoor environmental quality of a space.
- The utilization of a daylight and occupancy sensors could be used to control the lights in day lit spaces.
- Using photosensors in daylit spaces to control dimmable ballasts allows a system to work without being actively operated. Without dimming the lights would cycle on and off in response to changes in daylight levels. With dimming lights, the change would still be in response to ambient light levels but it would be subtle and not distracting to the occupants, as well as consuming less energy while lessening the overall cooling load of the building.
- The utilization of a trombe wall could be explored as an effective indirect-gain passive solar technique on the south elevation of the building. These tall 12'-18' foot high, 12-16" thick masonry walls would be covered with a double layer of glass 1" in front of the walls surface. Solar heat is absorbed by the walls' dark colored outside surface and stored in the wall's mass where it radiates into the

space over a period of several hours. Heat travels thru a masonry wall at an average rate of 1 hour per inch. So heat absorbed on the outside of an 8 inch thick concrete wall at noon will enter the interior around 8:00 p.m.

- Vents can also be added to the top and bottom of the air gap between the glazing and thermal mass. The vents have one-way flaps which prevent convection at night, making heat flow directional. This is an isolated passive thermal collector. The vents to the interior are closed in the summer months when the heat gain is not wanted.

Materials and Resources

Our team practices Simplification of Systems and Reduction of Use as a means to reduce the cost and impact on our environment.

- With every material that can be simply reused, the impact associated with its extraction, manufacture, delivery, installation, and eventual disposal are eliminated.
- For example, poured concrete slabs could utilize stained or sealed concrete floor being an acceptable finish, rather than adding the various materials associated with a carpet or tile system.



- There are a number of different lists of criteria that help define whether a building material or product may be preferable environmentally.
- LEED gives credit to projects that show that they have reduced the resource consumption of the building by specifying products that are renewable, recycled, salvaged, certified wood, or that are low-emitting materials.
- Implementation of appropriate waste management during construction and operation of the building. By putting an advanced plan into place for the effective recycling and salvage of building materials during construction can reduce landfill burdens.
- Some aspects of a product's environmental performance we consider are:
 - products that are natural and biodegradable, that do not contain hazardous or toxic materials
 - energy efficient
 - made of renewable materials and/or recycled materials
 - made of certified wood
 - healthy for indoor air – low voc
 - healthy for the atmosphere
 - non-toxic in use, production, or at end of useful life
 - recyclable at the end of useful life
 - made near to the building site – low transportation impacts (i.e. masonry plant)
- For building exteriors, using thermal and moisture-barrier systems that reduce heating and cooling loads.

Indoor Environmental Quality

- Effective delivery of fresh air is a priority to our design team.
- Use natural ventilation and/or HVAC systems that promote ventilation effectiveness.
- Locate building intake and exhaust locations carefully to avoid contamination.
- Protect indoor air quality through careful selection of building materials with attention given to methods of installation, finishing and maintaining



High Performance / Sustainable Design

E.T. Boggess, Architect, Inc.

- Good building ventilation is required during building construction as well as the life of its use.

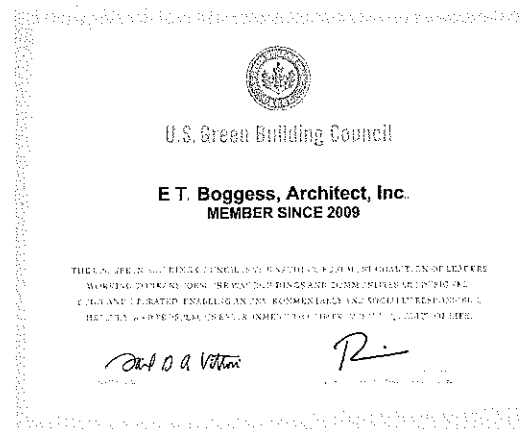
Daylighting

- Advanced daylighting systems and control strategies can be developed for different parts of the building depending on use, orientation, location, etc.
- The building façade designs, interior finishes, structural expression, the selection and integration of systems and services are all related to the buildings daylighting plan.
- Daylighting design should influence the basic decisions about the building's shape and orientation.
- Treat the building as a luminaire.
- Separate the vision and daylight glazings.
- Position the daylighting apertures to create mood and visual focus.
- Address the requirements of the visual task.
- Integrate the daylighting system with the architecture and other building systems.

Integrated Design Team Approach - Design Process and Innovation

In an attempt for a more sustainable practice, our team is looking to deepen our partnerships, emphasizing early, open, communication lines, ensuring that all in the end product have the opportunity to influence the project. We want all team members partnering together in the solution.

Design developed with flexibility in mind, simple circulation patterns eases expansion possibilities reconfiguration for adaptive reuse. This enhances building longevity. Flexible building infrastructures for HVAC, power and communications will be adaptable for future needs and changing functions. The use of fixed cabling, ductwork and chases that are embedded into the building structure should be avoided. The need for longevity and flexibility calls for a design to ease periodic refurbishment and selective replacement of building systems.



SECTION FIVE

Projects



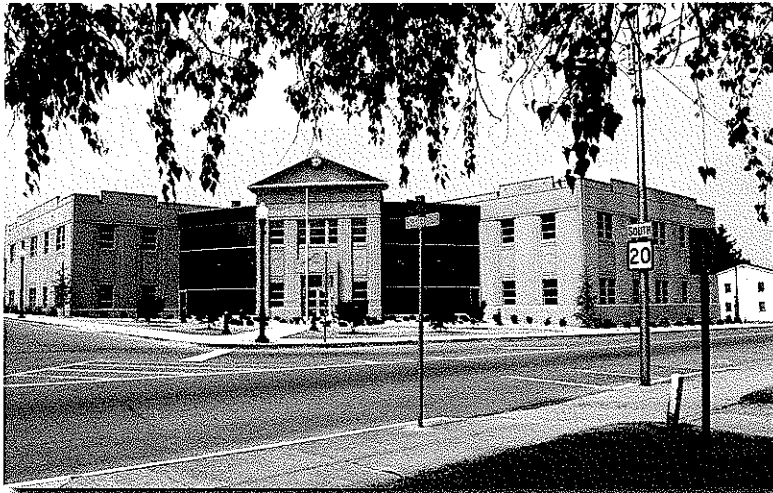
Mercer County Courthouse Annex

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.

E. T. Boggess, Architect, Inc.

ETB

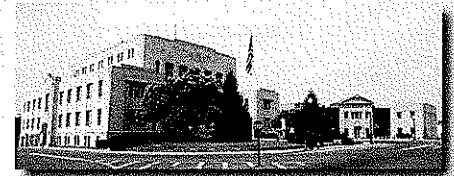
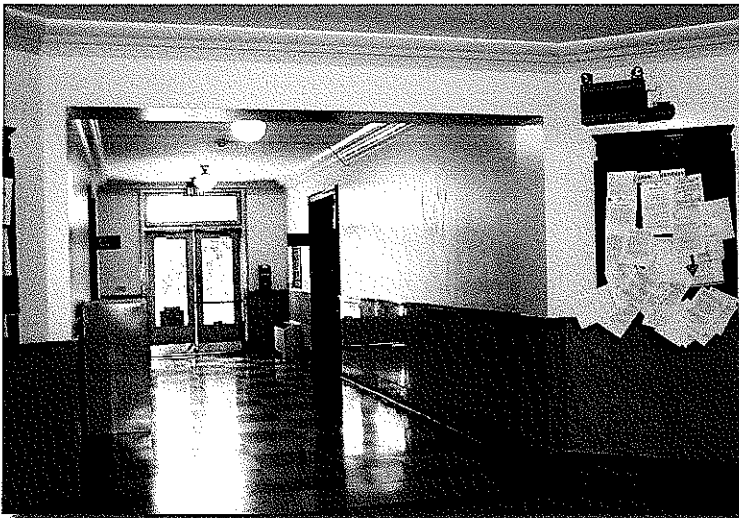
Size: 36,000 sf
Cost: \$5,190,480



Mercer County Courthouse Security

Princeton, WV

E. T. Boggess, Architect, Inc., worked with a security company to upgrade the current courthouse system, as well as connect it to the new annex located across the street.



The system includes an access control system that monitors and controls access to different secure areas within the building. It also includes motion detection devices, door monitors, glass break detectors, life safety monitors, and access keypads. The closed circuit television system previously installed was also connected to the new annex. Both buildings can now be monitored from a single, main control center.



E. T. Boggess, Architect, Inc.

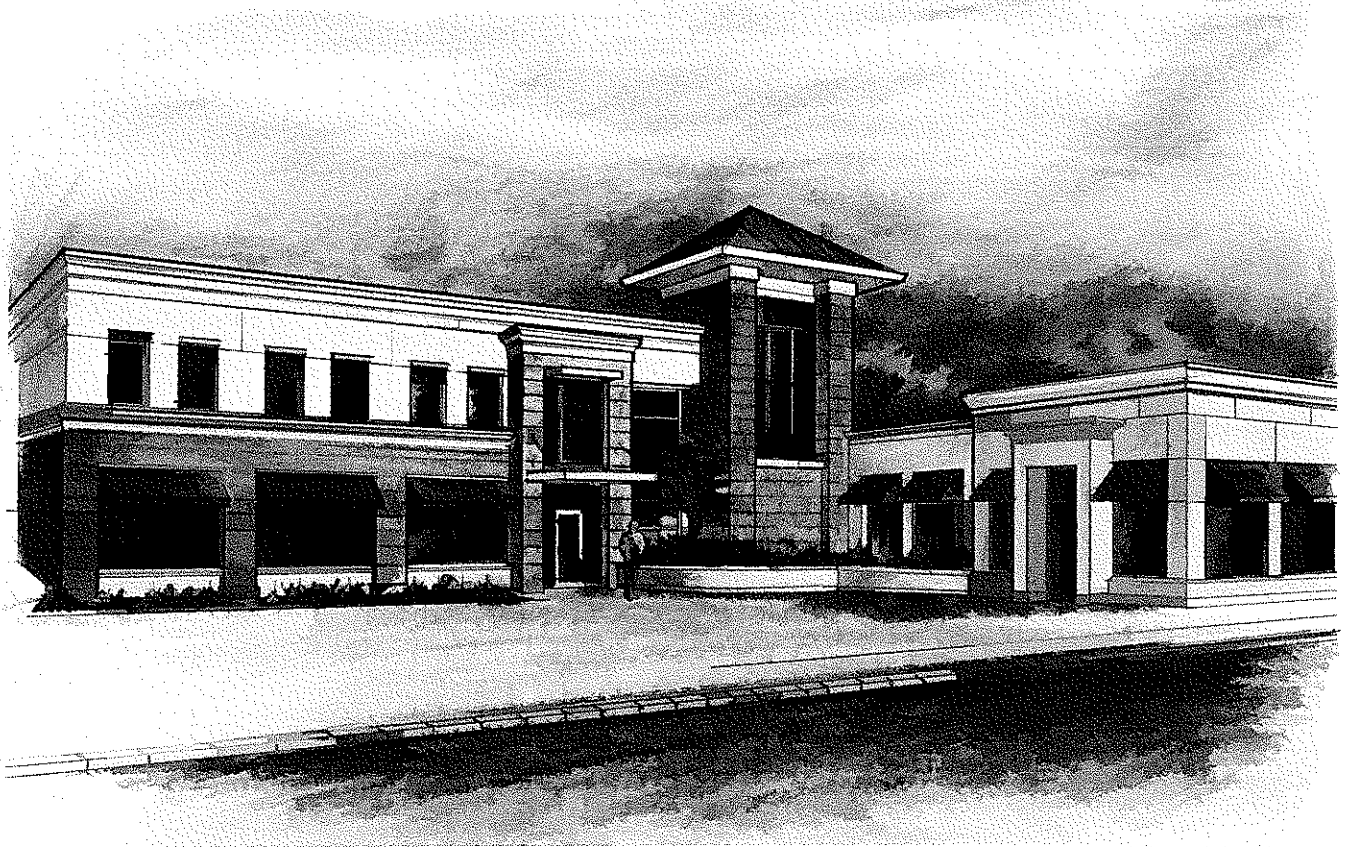




Existing furniture store to be remodeled

Nicholas County Courthouse Annex

Proposed Exterior Elevations



The Nicholas County Courthouse Annex involves the remodeling of an existing furniture store to serve as courtrooms, offices and support spaces. The judicial agencies that will be relocating to the annex include the magistrates, family law, and clerk areas. The entire project involves approximately 18,000 sf.

E.T. Boggess, Architect, Inc.





Concord University Rahall Technology Center

Athens, WV



E.T. Boggess, Architect, Inc., designed the \$9.8 million, state-of-the-art Rahall Technology Center for Concord University. A small part of the historic White Hall Dormitory was incorporated into the new design.

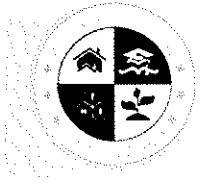


The Rahall Center offers tiered/multi-media classrooms, specialty computer labs, a traditional teaching darkroom & digital imagery lab, general technology-enhanced classrooms, distance learning/education opportunities, along with conference rooms. Various campus offices have also been relocated to the new technology center.

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

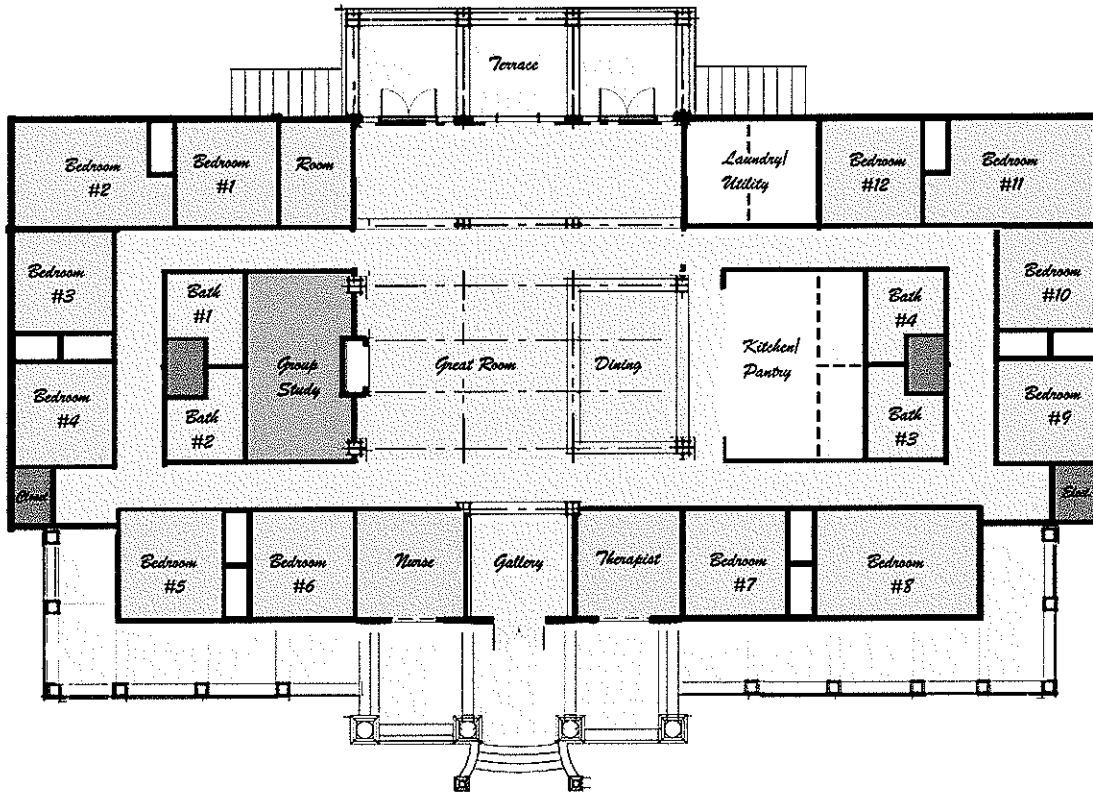


E.T. Boggess, Architect, Inc.



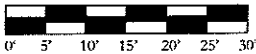
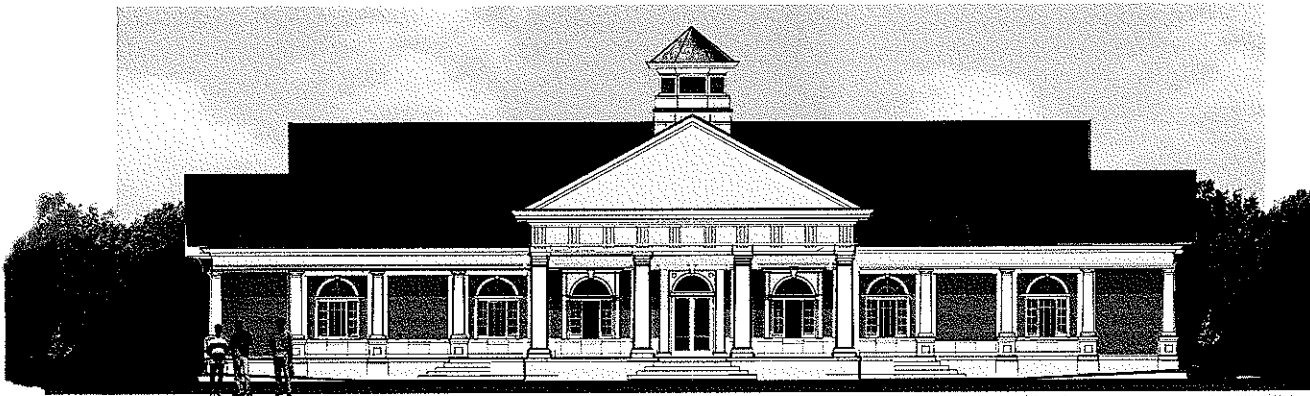
DAVIS STUART

Lodging Facility



Conceptual Floor Plan

Scale: 1/8" = 1'-0"



Conceptual Front Elevation

Scale: 1/8" = 1'-0"



Projects

E.T. Boggess, Architect Inc.

Governmental - New Construction:

- Princeton Railroad Museum
(Historical Re-creation)
- Bramwell Coal Interpretive
Museum (Historical Re-creation)
- Mercer County Courthouse
Annex, Princeton, WV
- Mercer County Civil Air Patrol
Hanger and Headquarters,
Bluefield, WV
- WV Tourist Information Center,
Princeton, WV
- U.S. Social Security Offices for
the GSA
Welch, WV
Williamson, WV
Bluefield, 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
- WV Army National Guard
Readiness Center, Elkins, WV

Governmental - Renovations & Additions

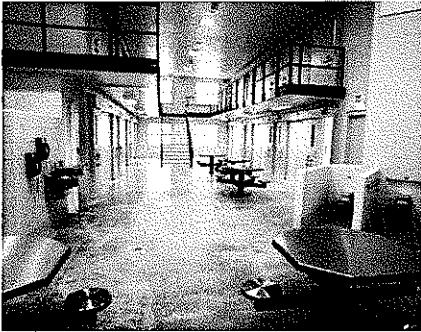
- Princeton Public Library
(Historical Renovations),
Princeton, WV
- Nicholas County Judicial Annex,
Summersville, WV
- Pipestem State Park Conference
Center (Addition), Pipestem, WV
- Beckley Financial Center – IRS
Offices for the GSA, Beckley,
WV
- Mercer County War Memorial
Building, Princeton, WV

Governmental - Town Renovations:

- East Mercer Streetscape Project
and Farmer's Market Square,
Princeton, WV
- Downtown Bluefield Streetscape
Project, Bluefield, WV
- Downtown Bluefield Technology
Infrastructure Loop, Bluefield,
WV
- Chicory Square Coal Interpretive
Area, Bluefield, WV
- Princeton City Park
Amphitheater Feasibility Study,
Princeton, WV



New River Valley Regional Jail



**New River Valley
Regional Jail Authority**
108 Baker Road
Dublin, VA 24084

Mr. Gerald McPeak
Superintendent
540-643-2001

Planning Study

The New River Valley Regional Jail Planning Study submission, which was approved in July of 1997, represented the Authority consisting of the counties of Bland, Carroll, Floyd, Giles, Grayson, Pulaski, and Wythe and the City of Radford. The Planning Study called for the construction of a new regional jail facility on a strategically located 28-acre site in Dublin, Virginia. Key provisions of the Planning Study included approximately 140,000 SF of building space, 348-bed general population, and initial built in provisions for upsized core jail facilities to facilitate eased future jail expansions. The Planning Study was approved by the State Corrections Board and in April of 1998, funding for 50% of the approved eligible project costs was approved by the General Assembly. The total eligible approved project cost was \$28.2 Million.

VDOC reimbursed the Authority 50% of this amount plus interest to the mid point of construction.

Regional Jail Facility

Accommodating seven counties and one city, the New River Valley Regional jail broke ground in August 1997, with substantial completion on March 30, 1999. The facility has a gross square footage of 140,000. Situated in an industrial park, one of Thompson & Litton's challenges was to design a facility that was appropriate for its setting. This required multiple public presentations by T&L to address the public's concerns. Following construction, the VDOC gave the new regional jail facility an operating capacity of 371 general population inmates, including females, with an additional 36 units reserved for special purposes, i.e., behavioral and medical isolation. The facility was designed and constructed to facilitate an orderly and efficient expansion to 443 inmates through double bunking and to 520 without adding core and support facilities such as the kitchen, laundry, and power plant.

T&L was the prime engineer and provided project management/coordination, architectural QA/QC, civil engineering, and full-time construction administration/inspection. With the aid of a Construction Manager as part of the Design Team, the project was run on a fast-track method which allowed for the implementation of a design as soon as it was approved. This accelerated the construction process by allowing certain aspects of the design to be constructed prior to the final building design being completed, i.e., site work, utilities, and foundations. This project was the first State project which has utilized the CM @ Risk format as approved by the Design-Build/Construction Management Review Board (DB/CM).

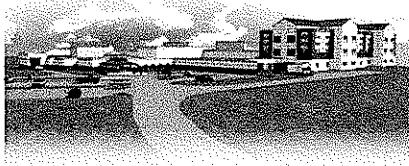
To make this project become reality, many non-traditional services were required of T&L by the New River Valley Regional Jail Authority in its infant stages, such as working with the Owner and their attorney to establish the Authority, coordinating with the Owner's financial advisors to issue bond anticipation notes for interim construction financing, conducting multiple site selection studies, assisting the Owner with the state construction fund reimbursement process, and working with the Owner to receive approval by the state DB/CM review board.

New River Valley Regional Jail Expansion

New River Valley Regional Jail Authority

108 Baker Road
Dublin, VA 24084

Mr. Gerald McPeak
Superintendent
540-643-2001

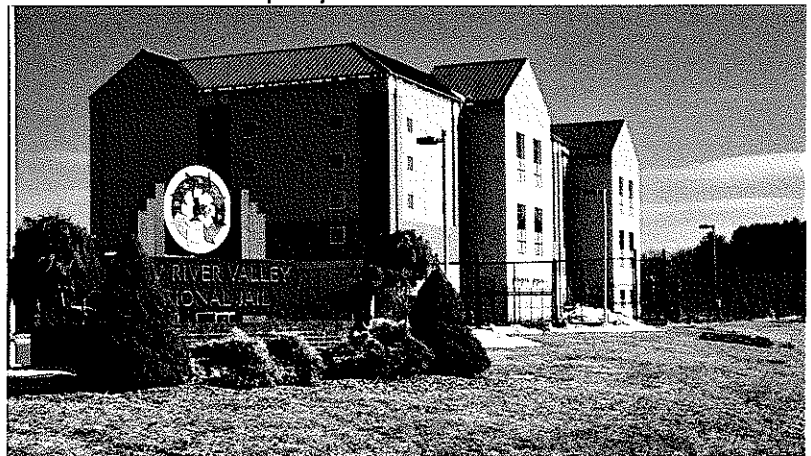


Community Based Corrections Plan and Planning Study

The New River Valley Regional Jail Authority (NRVRJA) owns and operates a regional jail facility in Dublin, Virginia serving the Counties of Bland, Carroll, Floyd, Giles, Grayson, Pulaski, and Wythe and the City of Radford. Service is also provided to the City of Galax; however, Galax is not an official member of the NRVRJA, but relies on arrangements with Carroll and Grayson Counties for jail incarceration services. The existing regional jail facility, which was placed into operation in April 1999, has a rated operating capacity of 371 beds as established by the Virginia Department of Corrections (VDOC).

As with virtually all jail facilities across the State, the NRVRJA undertook an extensive planning effort to address a significant and growing overcrowding problem in the existing regional jail facility.

Thompson & Litton (T&L), in association with Carter Goble Lee (CGL), assisted the NRVRJA in the development of two (2) planning documents which included the Community Based Corrections Plan (CBCP) and Planning Study. These planning documents were required by VDOC in order to secure approval by the Board of Corrections and General Assembly for the development of an expansion to the existing regional jail based upon a fifty (50) percent reimbursement of total eligible project costs from the Commonwealth of Virginia. The CBCP, which is dated October 2006 and revised February 2007, was prepared by T&L/CGL and was submitted to VDOC on February 9, 2007. In the CBCP, CGL utilized three (3) different forecasting methodologies to project future inmate populations for the NRVRJA until the year 2020. The NRVRJA pursued an expansion in order to raise its VDOC rate capacity from 371 inmates to 859 inmates.



New River Valley Regional Jail Expansion (continued)



As set forth in the Planning Study document, which was submitted to VDOC for review and approval on February 20, 2007, the expansion of the existing regional jail facility is being constructed as a three (3) story "Mid-Rise" tower on the existing regional jail site complex in (and adjacent to) an area that has always been designated for future expansion construction. The second and third levels are mezzanine construction. Locating the jail expansion in this area is cost effective in that the NRVRJA is relying heavily on significant existing support infrastructure in place today on the jail site and within the existing jail building. This approach greatly reduced typical site development costs normally associated with new jail construction and minimized the new square footage requirements associated with the expansion. Moreover, the close proximity of the existing kitchen, warehouse, and medical facility provided needed support services in proximity to the proposed expansion. The expansion added 488 general population beds and 58 special purpose beds, which raised the VDOC rated capacity from 371 to 859. The expansion interconnects with the existing jail on the southwestern corner of the site near the existing warehouse and consists of 148,053 SF. When combined with the existing regional jail square footage of 143,060 SF, a combined square footage of 291,113 results. Additional support space including administrative support, staff support, records storage, and mechanical space was provided. The NRVRJA operates the new addition as a "direct supervision facility" in order to gain greater control of the jail operation.

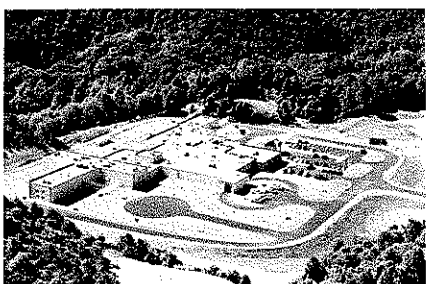
Based upon the size of the expansion, renovations in the existing jail included the existing kitchen and visitation areas. The kitchen was rearranged for improved traffic flow in order to facilitate the addition of new equipment to increase production, holding, and washing capacities. The visitation area, which consists of non-contact visitation for inmates and public, is being converted to a public video visitation area. Provisions were added in the dayrooms (existing and new) for linking of inmates via video link.



Southwest Virginia Regional Jail System



Abingdon Regional Jail Facility



Haysi Regional Jail Facility



Duffield Regional Jail Facility

**Southwest Virginia
Regional Jail Authority**
16325 Taylor Place, Suite 400
Abingdon, VA 24211

Mr. Lee Noble
Superintendent
276-623-0025

Planning Study

Thompson & Litton (T&L) was retained by the Southwest Virginia Regional Jail Task Force to conduct a Community Based Corrections Planning Study for a Regional Jail System to serve Southwest Virginia. These planning documents were required in order to apply for sanctioning and funding by the Virginia General Assembly, and were also required by the Commonwealth of Virginia's Department of Corrections prior to its recommendation to the Virginia General Assembly for project funding. Prior to the formation of the Task Force, T&L provided planning information that assisted the Authority in receiving an exemption to a Building Moratorium which had been imposed by the Virginia General Assembly. Without an exemption to the Building Moratorium on new jail construction, current Virginia state law does not allow for the Commonwealth to provide a 50% funding reimbursement of total eligible project costs for a regional jail project. The exemption to the Building Moratorium was approved by the General Assembly during the 2000 Session. This legislation resulted in the project becoming eligible for 50% reimbursement from the Commonwealth, and was the catalyst for the formation of the Task Force, which was charged with the development of the required Planning Documents (Community Based Corrections Plan and Planning Study). The Community Based Corrections Plan and Planning Study were approved by Board of Corrections in April 2001 and August 2001, respectively, following the initial submittals in February 2001. These planning documents called for the development of a multi-jurisdictional regional jail system, consisting of three interdependent jails with a combined general inmate population of 780 inmates. The total eligible project cost as set forth in the Planning Study was \$74.45 Million. This amount was approved for 50% reimbursement by the General Assembly during the 2002 Session.

Regional Jail Facilities

The Southwest Virginia Regional Jail project consisted of the development of a multi-jurisdictional regional jail system to serve southwest Virginia. As Owner of the project, the Southwest Virginia Regional Jail Authority (SWVARJA) undertook the implementation of the project on behalf of nine (9) participating local governments throughout southwest Virginia. The participating localities, who are members of the SWVARJA, include the Counties of Buchanan, Dickenson, Lee, Russell, Scott, Smyth, Washington, and Wise and the City of Norton. These nine (9) localities united together on a cooperative and regional basis to address a significant public safety issue, i.e., the upgrade and expansion of existing local jail facilities, which are outdated, overcrowded and lack adequate programming space. For the most part, none of the existing jails are expandable on-site due to significant space limitations.

The SWVARJA project consisted of a multi-jurisdictional regional jail system that was comprised of three (3) interdependent direct observation regional jail facilities located on three (3) separate sites throughout the service area.

Each Regional Jail Facility has a built in expansion capability (infrastructure) to accommodate a 50% increase in bed capacity through the addition of future housing units.

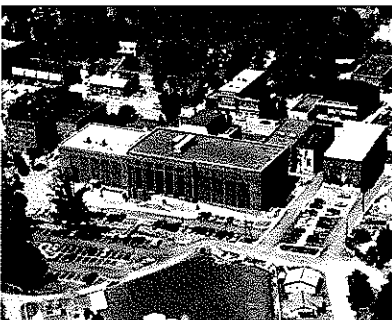
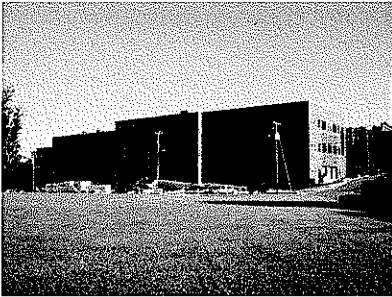
Construction was delivered via the Construction Management at Risk Method of delivery and was completed in March 2005

Tazewell County Courthouse and Jail



Tazewell County Board of Supervisors
106 East Main Street
Tazewell, Virginia 24651

Mr. Jim Spencer
County Administrator
276-988-1202



This local government project was the second in Virginia to utilize the Construction Manager at Risk project delivery method as approved by the state's Design-Build / Construction Management Review Board. The Tazewell County Courthouse and Jail project consisted of the construction of a new courts facility, a new 89-bed jail facility to meet current Virginia Department of Corrections standards, renovation of the existing original historic courthouse, renovation of adjacent existing buildings to house County administration functions, demolition of several existing buildings including the existing courthouse annex and the existing jail, and the construction of on-site parking and site features. Located at the existing Tazewell County Courthouse and Jail site in the Town of Tazewell, the combined total square footage of the new construction and renovated space was 120,495 SF. The project was constructed in multiple phases.

The first phase entailed the construction of a new 38,000 SF jail facility that was designed to accommodate a vertical expansion to 100 beds. The building houses jail administration, work release, and inmate programs. A new 62,000 SF, three level courts facility was constructed in the second phase. Physically connected to the existing courthouse, the lower level houses the juvenile and domestic relations courts, judge's chambers, and sheriff's offices. The Main Street level contains the Circuit courtroom and judge's chambers, circuit court files, jury rooms, witness rooms, and E-911 space. The upper level houses the district courts, judge's chambers, commonwealth attorney, and voter registration. The existing 11,200 SF courthouse was renovated to house the law library, and offices for adult probation, the County Treasurer and the Commissioner of Revenue. The County Administrator's office and other selected County offices totaling approximately 8,000 SF were housed in renovated space in adjacent buildings. The Project Team spent many hours reviewing the existing facilities and then meeting with the actual users of the facilities prior to and during design in order to produce a well thought out, useable final product for the County.

Renovations and Additions to the Tazewell County Courthouse and Jail were completed in March 2002 with a project cost of \$11.2 Million. The facility has since become part of the Southwest Virginia Regional Jail system, operating as a "Pre-Trial/Sentencing" Jail facility.

Western Virginia Regional Jail

**Western Virginia
Regional Jail Authority**
305 East Main Street
Salem, VA 24153

Mr. Charlie Poff
Project Manager
540-387-6253

T&L was retained by Hayes, Seay, Mattern & Mattern (now AECOM) as a professional design consultant for professional architectural and structural engineering services throughout the course of planning, design, bidding, and construction of the Western Virginia Regional Jail in Roanoke County, Virginia.

As part of this project, T&L developed a Planning Study document for submittal to the Virginia Department of Corrections (VDOC). The Planning Study identified needs, goals and objectives, and a general description of the project components. Specifically, T&L developed a Basis of Design Summary to represent the distribution of beds and other design considerations and/or requirements necessary to support the projected regional jail capacity. T&L also developed a Program of Spaces utilizing the applicable VDOC standards and inmate population projections; a summary of NSF; grossing factors; and GSF for all programmed spaces including housing units, central intake unit, auxiliary areas, food service, laundry, and miscellaneous features. Finally, as part of the Planning Study, T&L presented a Building Design Narrative to include a rationale for the building design. This included a walk-through description of the facility with plans and elevations, a proposed type of construction, building materials and systems, the facility size - GSF and number of beds-building code designations, and provisions for future expansions.

Following completion of the initial planning study, Thompson & Litton provided architectural and structural engineering services directly related to the design of the jail. Specifically, design services included Architecture, Life Safety, Structural Engineering, Security Detention and Foodservice design services for the facility.

Construction of the 260,000 gross SF facility was completed in March 2009. Located on 41 sprawling acres, the 605-rated bed capacity jail is located to the east of the intersection of Route 11/460 (West Main Street) and West River Road. The construction cost totaled \$93 Million. The project's design, site development, and construction were developed with the goal of being an environmentally sensitive and sustainable design. The project is seeking certification from the United States Green Building Council (USGBC) as a LEED Silver project based on their rating system. The facility awaits final approval of its LEED Silver certification.



Patrick County Jail

Patrick County
106 Rucker Street
P.O. Box 466
Stuart, VA 24171

Mr. Craig Teller
Interim County Administrator
276-694-6094

The existing Patrick County Jail was constructed in the early 1900's and is located within portions of the second, third and fourth floors of the existing Patrick County Courthouse Building. The existing Jail facility was rated with an operating capacity of eight (8) beds as established by the Virginia Department of Corrections (VDOC). The existing jail facility, while serving the County for a century, was undersized, could not be expanded, and did not comply with modern correctional standards and building codes

Step One of the Planning Study included an Initial Feasibility Report to provide an evaluation Local and Regional Jail Alternatives (Justification of Project Approach). This also included a comparative analysis of the long term operating costs of a regional jail versus a local jail, and documentation that the County determined the interest in creating a regional jail with Henry County and the City of Martinsville, or interest from other localities or regional authorities or boards in allowing Patrick County to join a regional authority or board. This initial feasibility report accomplished several purposes including the following:

- Meeting the requirements of the approved budget amendment language;
- Providing the County and its taxpayers with the assurance that all alternatives have been considered and that the best long term solution has been selected in consideration of costs and benefits;
- Facilitating the selection of the jail alternative pursued by the County and utilized in the development of the required studies.
- Position the County to receive reimbursement for 25% of the approved total eligible project costs with a local jail in Virginia (or 50% in any regional scenario).

Also included in Step One was the Identification of Jail Alternatives including Local Jail versus Regional Jail with the option of a Pre-Trial/Sentencing Jail approach. An in-depth, comprehensive evaluation of all Jail Alternatives were examined including the size of the facility, operational technique, location, total cost estimates, operational cost estimates, estimated revenues, and the net cost to the County.

Step Two of the study included the Formal Planning Process of the Community Based Corrections Plan and Planning Study for Selected Jail Alternatives. The C-BCP provided documentation justifying the need to implement a new or expanded jail solution for the county arriving at a capacity for the new jail solution based upon various factors. The Planning Study examined the inmate forecasts and translated them into an architectural schematic design and budget for the proposed jail facility illustrating to the County what the proposed jail would look like from an architectural standpoint and how much it would cost.

St. Brides Correctional Center

AECOM
1315 Franklin Road
Roanoke, Virginia 24016

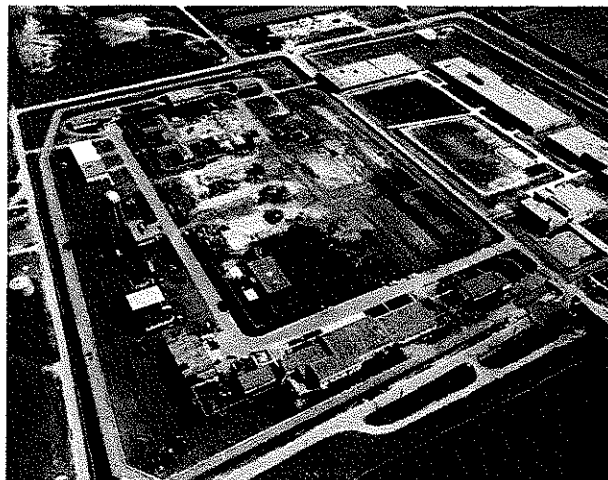
Mr. Wade Anderson
Roanoke Buildings Manager
540-857-3100

In October 2005, Thompson & Litton entered into an agreement with Architects Hayes, Seay, Mattern & Mattern (now AECOM) to provide civil site design and related services for the St. Brides Correctional Facility Phase II Construction project located in Chesapeake, Virginia.

As consultants for the Design-Build project, T&L Project Team members developed civil site construction documents which consisted of asphalt pavement design for the new chase road and access roads to maintenance buildings located on the facility grounds; concrete pavement design for sidewalks; on-site sanitary sewer service for the new 93,000 SF Housing Building for 800 additional beds, and Maintenance Building; on-site domestic water service (and extensions of existing water lines) for new buildings as needed; on-site storm drainage system extensions and modifications to serve the planned buildings; concrete curbs, gutters, and walkways; and an erosion and sediment control/stormwater management plan to be utilized in controlling erosion and sediment transport during construction of the facility. The plan utilized silt fence, inlet and outlet protection, and temporary sediment traps for erosion and sediment control. For stormwater management, the plan included a system of storm drains and detention ponds constructed during Phase I to accommodate Phases I and II.

In addition to the civil design, T&L also provided Construction Administration of the project elements as well as site surveying. This included verification of existing topographical surveys and surveys of Phase I improvements that could have a direct effect on Phase II of the project.

Requested services for the \$32.5 Million, Phase II of the St. Brides Correctional Facility were completed in spring 2007.



Deerfield Correctional Center

Moseley-Balfour, LLC
601 South Lake Blvd
Richmond, Virginia 23236

Mr. Cary Gill
Vice President
804-794-7555



T&L was retained by Moseley Architects, Inc to provide professional services for site civil design and structural design for an existing facility located on the Virginia Department of Corrections' Southampton State Correctional Farm in Capron, Virginia. The project added three additional housing units at 15,373 SF each (200 beds), expansion (3,937 SF) to the existing administration building, program space expansion and renovation (5,636 SF), expansions to the food service area (9,680 SF) and medical service area (6,400 SF) and the addition of a 9,680 SF maintenance building. For the expansions and renovations, T&L provided the structural design construction documentation and on-site sanitary sewer service which included the extension of existing gravity sewer lines for the new buildings and expansion projects. T&L also provided the design of one new well and water distribution system, expansion to the existing wastewater treatment plant and the demolition of an existing warehouse to be replaced with a maintenance facility. T&L's services also included the design of improvements to increase the wastewater treatment capacity from 0.350 MGD to 0.450 MGD. Expansions and renovations to the Deerfield Correctional Center were completed in November 2006 at a total project cost of \$21.9 Million

Green Rock Correctional Center

Moseley-Balfour, LLC
601 South Lake Blvd.
Richmond, Virginia 23236

Mr. Cary Gill
Vice President
804-794-7555

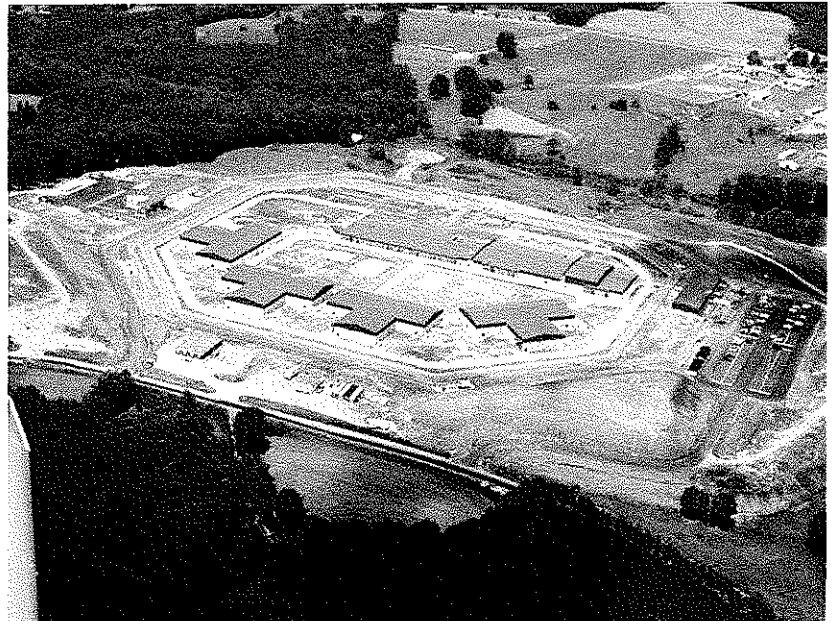


Thompson & Litton was retained by Moseley Architects, Inc. as a subconsultant to provide professional architectural and engineering services related to the Design-Build of Green Rock Correctional Center, a Level 3, 1,024 bed, medium security prison located southwest of Chatham, Virginia.

T&L professional services included civil, site, structural and architectural design, bid phase services, construction administration services, early civil site package, the development of an Erosion and Sediment Control/Stormwater Management Plan, site surveying and geotechnical evaluations.

For the project, T&L was commissioned to provide site civil design including both early and final site packages, preliminary engineering investigations and an upgrade to the existing Town of Chatham Wastewater Treatment Plant to 0.9 MGD with approximately 8,500 LF of 8-inch gravity sewer outfall line, approximately 8,500 LF of off-site 10-inch water line, a 200,000 gallon water storage tank and fire pumps. Project Architects and Engineers prepared structural and architectural design documents for an Administration building, maintenance/warehouse, and vehicle storage building for the prison as well as aided during the bid phase for all related project components.

The Green Rock Correctional Center opened under full operation in early 2007 at a final project cost of \$59 Million.



Pocahontas State Correctional Center

Moseley-Balfour, LLC
601 South Lake Blvd.
Richmond, Virginia 23236

Mr. Cary Gill
Vice President
804-794-7555



Why T&L? Award-Winning Excellence

- **2008 Engineering Excellence Honor Award**, American Council of Engineering Companies of Virginia, Pocahontas State Correctional Center, Virginia Department of Corrections, Pocahontas, Virginia.

In September 2004, Thompson & Litton entered into an agreement with Moseley Architects/Centex Construction, LLC to provide Architectural, Surveying, Geotechnical, and Civil and Structural Engineering for the development of the Pocahontas State Correctional Center in Southwest Virginia, Deerfield Correctional Center in Southampton County, Virginia, and for Green Rock Correctional Center in Central Virginia. The collective project undertaking included design and construction of and expansions to the various facilities.

For the project development of the Pocahontas State Correctional Center, T&L provided Civil, Site, Structural and Architectural design. The early civil site package included the development of civil site construction documents depicting demolition, clearing and grubbing, and earthwork to create a building pad for the prison facilities with sufficient slope to allow stormwater runoff to flow to drainage structures. An erosion and sediment control/stormwater management plan was developed while design services included the development of asphalt pavement designs for roads and parking lot; concrete pavement design for the vehicle sallyport, loading dock area and at the trash compactor; on-site 8-inch PVC gravity sanitary sewer service; on-site domestic and fire protection water service; on-site storm drainage systems; concrete curbs, gutters, and walks; and landscaping. Architectural design included buildings outside the secure fenced-in area, including the new Warehouse/Maintenance Building. The building contains an area of 13,608 SF, and includes vehicle maintenance stalls, warehousing space with storage racks, canteen storage, clothing issue, plumbing/HVAC shop, carpenter shop, grounds/general maintenance areas, electrical/IT rooms, locksmith/electrical shop, tool rooms, office and workrooms, and restroom areas.

Site surveying was performed by T&L Project Team members and consisted of primary GPS controls with three reference monuments established using existing NBS monumentation for control. Topographical surveying was defined by using a combination of aerial photography, real-time GPS surveying, and manual surveying. Boundary surveys consisted of the research of existing deeds and/or plats and location of existing boundary monument in relation to the topographical survey.

Construction Administration services were provided during the construction phase of the project for two construction contracts. Off site infrastructural and utility development, as well as the construction of the Pocahontas State Correctional Center, was completed in mid 2007. The estimated total project cost of the completed facility is estimated at \$70 Million.

Mount Rogers Correctional Center

Balfour Beatty Construction
3924 Pender Drive
Fairfax, Virginia 22030

Mr. David Birtwistle
Division Vice President
703-273-3311

Thompson & Litton was selected by Balfour Beatty Construction to provide consultant services for the development of the Mount Rogers, Grayson County PPEA Medium Security Facility in Grayson County, Virginia. T&L engineered the development of an early site package, final design package, Bidding and Advertisements, Construction Administration and miscellaneous surveying and record drawings for the estimated \$100 Million project. The facility is anticipated to house approximately 1,024 inmate beds and will create an estimated 300-350 new, well paying jobs in the area. Early civil site package consist of civil site construction documents to create a building pad for the proposed prison facilities with sufficient slope to allow stormwater runoff to flow to erosion and sediment and drainage structures; on-site access road civil design and construction documents; an erosion and sediment control/stormwater management plan; and related geotechnical services.

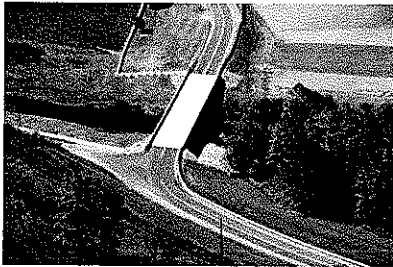
Final design services include the refinement of the early civil site package as well as off-site water and sanitary sewer design from the Town of Independence to the site (approximately 2,400 LF), off-site roadway design of the access road along State Route 890 to the Route 58 prison site with intersection improvements at US Route 58 and SR 849 and approximately 2,400 LF of new roadway along SR 890 to the site.

Project development of the Mount Rogers PPEA Medium Security Prison is currently ongoing and has an estimated completion date of 2010.

Bland Correctional Center Bridge & Entrance Road - Design-Build

**Virginia Department
of Corrections**
6900 Atmore Drive
Room 2034A
Richmond, Virginia 26963

Mr. William Sprinkle
VCO, VCCO
804-674-3102



In February 2006, Thompson & Litton entered into an agreement with the Virginia Department of Corrections to provide comprehensive engineering, planning, and related services for the design and construction of a new 30 foot wide, 172 foot long, two-lane bridge and entrance road to the Bland Correctional Center located in Bland County in Southwest Virginia.

A design-build project, the project consisted of the design and construction of a bridge and entrance road from the bridge into the facility, transitioning the new road into the existing entrance road at both ends of the new bridge. The project included inspections, VDOT review, all necessary permits, all geotechnical analyses, and rock removal. Work was performed in a manner so that the correctional center and road remained in operation during project completion.

Specific components included the design of a new bridge by T&L engineers, surveying of the surrounding area of the development site, environmental impacts and assessments, hydraulic and hydrological analyses, and finally the bridge and roadway construction. T&L also provided construction contract administration for the project.

The design and construction of the new bridge and entrance road for the Bland Correctional Center was completed in late 2008 at a total project cost of \$3.4 Million.



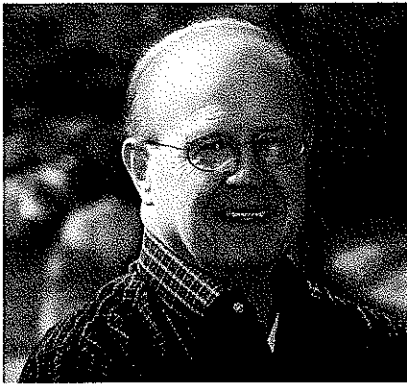
SECTION SIX

Resumes

E. Ted Boggers, AIA, NCARB, Architect

Chairman of the Board

E.T. Boggers, Architect Inc.



EDUCATION:

Bachelor of Architecture
The Ohio State University
School of Architecture

RESPONSIBILITIES:

Ted founded E. T. Boggers, 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.

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

PROJECTS

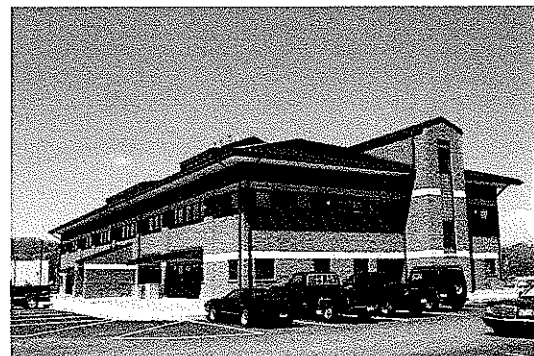
Governmental & Office Buildings:

- 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



WVDOH D-10 Office Building, Gardner, WV



WVDOH D-6 Office Building, Moundsville, WV



Todd Boggess, AIA, NCARB, Architect

President

E.T. Boggess, Architect Inc.



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:

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 examine how each office functioned and ensure that their new spaces would satisfy all their requirements. 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 always uses this interactive design approach in order to ensure the client's current and future needs are satisfied. The Courthouse Annex (shown below) opened in 2004 and is home to the Magistrate Court, Prosecuting Attorney, Juvenile Probation, and Family Law.



PROJECTS

Governmental & Office Buildings:

- Mercer County Courthouse Annex, Princeton, WV
- Nicholas County Judicial Annex (*Renovation*), Summersville, 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

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.



*Concord University Rahall Technology Center
Athens, WV*



EDUCATION:

Bachelor of Science Design
Clemson University

Master of Architecture
Clemson University

RESPONSIBILITIES:

With over 25 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
- construction administration and supervision

PROJECTS:

Mr. Mackey recently rejoined ETB Architects after serving as Executive Vice President for two Florida Architectural firms. During his absence, he served as project manager on several large projects for the military and other government agencies.

In addition to his design and project management responsibilities, Steve also directed the day to day operations and management of the firm.

PROJECTS - Government Buildings:

- Nicholas County Courthouse Annex, Summersville, WV
- WVARNG Readiness Center, Elkins, WV

Prior to joining ETB, Steve worked on the following projects:

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



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. 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

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

PROJECTS - Public Buildings:

- WVARNG Readiness Center, Elkins, WV
- First Century Bank, Beckley, WV
- Four Seasons Wellness Center, Tazewell, VA
- Mathena Cultural Arts Center, Princeton, 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 – Architecture
Fairmont State University

Master of Architecture
Boston Architectural College

RESPONSIBILITIES:

Mr. Turner joined ETB last year and brings with him experience in architectural design, as well as construction methods and practices. He has a great deal of experience with a variety of public buildings, including governmental and educational. Nathan is a native of Greenbrier County and is very familiar with the surrounding counties. His knowledge of the area will prove beneficial as we proceed with several projects in and around Lewisburg, including two new elementary schools and an addition to Greenbrier West High School.

Specific project responsibilities include:

- architectural programming
- construction documentation
- design visualization
- project management
- project coordination
- construction specifications

PROJECTS – Public Buildings:

- WV Council for Community and Technical College Education - Facility Programming
- Advanced Technology Centers (2) for the WV Council for Community and Technical College Education
- Greenbrier West High School (addition), Charmco, WV
- Lewisburg Elementary School, Lewisburg, WV

Prior to joining ETB, Nathan worked on the following governmental projects:

- Mecklenburg County Courthouse, Charlotte, NC
- US Federal Courthouse, Jefferson City, MO
- US Embassy, Athens, Greece



EDUCATION:

Bachelor of Science Engineering
Technology/Architecture
Fairmont State University

RESPONSIBILITIES:

Chris joined ETB in 2000 as a CADD Technician. His focus since joining ETB has been construction administration and his current position of Project 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 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 involvement
- contractor jobsite meetings – proactive approach

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
- Princeton Library (Renovations), Princeton, WV



Mark E. Swecker, AIA, LEED AP
Senior Architect/Associate



Education and Training

Bachelor of Architecture, Architecture
Virginia Tech, 1987

Registrations

Registered Architect: VA, 1991
Registered Architect: TN, 1997
Registered Architect: WV, 1997
NCARB: VA, 1992
LEED AP, 2009

Professional Affiliations

American Institute of Architects
Virginia Society - American Institute of
Architects
Blue Ridge Chapter - American Institute of
Architects
National Council of Architectural
Registration Boards
International Code Council
American Correctional Association

Awards and Publications

Forward Wise County Leadership
Development Program - 2000
"Outstanding Alumni Award" Forward Wise
County Leadership Development Program -
2004

Contact Information

Thompson & Litton
P.O. Box 1307
103 East Main Street
Wise, Virginia 24293

Phone: 276-328-2161
Fax: 276-328-1738
E-mail: mswecker@t-l.com

Mark E. Swecker, AIA, LEED AP is a 1987 graduate of Virginia Tech receiving a Bachelor of Architecture Degree. He has 23 years of experience in the design and construction of architectural projects. Since joining T&L, Mark has participated in the design of every local and regional jail west of Roanoke, Virginia, has constructed in the last 13 years. He also has experience with various State Prison projects throughout Virginia. As the Project Architect, Mark will oversee all planning and development of design concepts and alternatives, and will supervise design architects and technicians who develop design details and construction documents.

Mark is a member of the Virginia Department of Corrections (VDOC) Local Correctional Facilities-Standards Revision Committee. This committee is charged with revising and updating the minimum standards for local correctional facilities to reflect current trends in the correctional industry as they relate to the planning, design, construction and reimbursement associated with new, replacement, expanded, or renovated local correctional facilities.

The following is a sampling of his project-related experience:

New River Valley Regional Jail Planning Study

Dublin, Virginia. Project Architect.

New River Valley Regional Jail

Dublin, Virginia. Project Architect.

New River Valley Regional Jail Renovation and Expansion Dublin, Virginia. Project Architect.

Southwest Virginia Regional Jail Facilities Assessment

Southwest Virginia. Project Architect.

Southwest Virginia Regional Jail Planning Study

Southwest Virginia. Project Architect.

Southwest Virginia Regional Jail System

Abingdon, Haysi, and Duffield, Virginia. Project Architect.

Western Virginia Regional Jail Planning Study

Roanoke County, Virginia. Project Architect.

Western Virginia Regional Jail PPEA

Roanoke County, Virginia. Project Architect.

Patrick County Jail Planning Study

Patrick County, Virginia. Project Architect.

Patrick County Jail Project Design

Patrick County, Virginia. Project Architect.

Tazewell County Courthouse and Jail

Tazewell County, Virginia. Project Architect.

Green Rock Correctional Center PPEA

Moseley Architects/VDOC, Pittsylvania County, Virginia. Project Architect.

Pocahontas State Correctional Center PPEA

Moseley Architects/VDOC, Tazewell County, Virginia. Project Architect.

Appalachian Correctional Unit #29

VDOC, Honaker, Virginia. Project Architect.

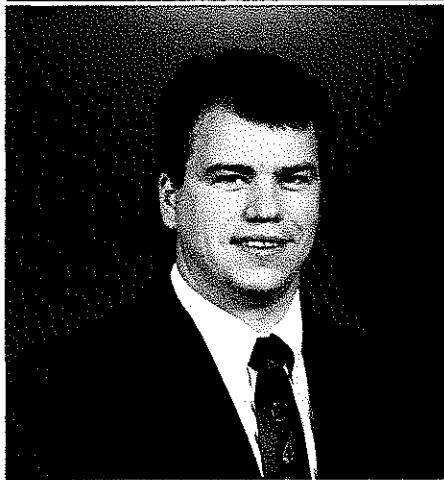
Bland Correctional Center Water Treatment Plant

Bland County, Virginia

Botetourt Correctional Unit # 25

VDOC, Troutville, Virginia. Project Architect.

Steven D. Brooks, PE
Civil-Structural Engineer/Associate



Education and Training

Master of Science, Structures
Virginia Tech, 1989
Bachelor of Science, Civil Engineering
Virginia Tech, 1988

Registrations

Professional Engineer: VA, 1992
Professional Engineer: KY, 1998
Professional Engineer: TN, 1998
Professional Engineer: WV, 1998
Professional Engineer: MD, 2006

Professional Affiliations

American Society of Civil Engineers
American Concrete Institute
American Institute of Steel Construction
Virginia Structural Engineers Council
American Council of Engineering
Companies
Virginia Society of Professional Engineers

Awards and Publications

Virginia Department of Conservation and
Recreation recognized Steve Brooks and
T&L for their erosion and sediment
control/stormwater management plan
design for the Red Onion State
Correctional Facility near Pound, Virginia in
1997.

Contact Information

Thompson & Litton
P.O. Box 1307
103 East Main Street
Wise, VA 24293

Phone: 276-328-2161
Fax: 276-328-1738
E-mail: sbrooks@t-l.com

Steve Brooks is a 1989 graduate of Virginia Tech receiving a Master of Science Degree in Civil Engineering concentrating in Structures. Having 21 years of experience as both a structural and civil engineer, he has the ability to understand the many facets of a project and bring it to a successful completion. Over the years, Steve has played a major role in the preliminary and final design of various engineering and architectural projects and evaluation of existing structures. He is in charge of the daily operations of the Structural Practice at Thompson & Litton and is recognized within the Firm as a person who brings projects to completion on time and within budget.

Steve is responsible for setting department and project standards, addressing budgetary and scheduling issues, providing overall quality management and supervising the structural members of the design team. Mr. Brooks has been the engineer of record on a variety of industrial, commercial, institutional and public works projects. Dealing with new construction, additions and renovation work, he has worked on projects with different types of delivery methods such as traditional design/bid/build, fast track, and design-build.

The following is a sampling of his project-related experience:

St. Brides Correctional Center

AECOM/VDOC, Chesapeake, Virginia. Structural Engineer.

Deerfield Correctional Center Expansion & Sequencing Batch Reactor

Moseley Architects/VDOC, Southampton County, Virginia. Structural Engineer.

Green Rock Correctional Center WWTP

Moseley Architects/VDOC, Pittsylvania County, Virginia. Structural Engineer.

Mount Rogers Correctional Center

Centex/VDOC, Grayson County, Virginia. Civil Engineer.

Pocahontas State Correctional Center Water System Improvements and WWTP

Moseley Architects/VDOC, Tazewell County, Virginia. Structural Engineer.

Keen Mountain Correctional Center - Grease Trap and Mechanical Bar Screen

VDOC, Buchanan County, Virginia. Structural Engineer.

Lee County Federal Prison Civil Site Design

HSMM/FBOP, Lee County, Virginia. Civil Engineer.

Bland Correctional Center Water Treatment Plant Upgrade

Bland County, Virginia. Structural Engineer.

Red Onion State Prison

DMJM/VDOC, Wise County, Virginia. Civil Engineer.

Steven D. Brooks, PE

Civil-Structural Engineer/Associate (continued)

New River Valley Regional Jail

New River Valley Regional Jail Authority, Dublin, Virginia. Civil Engineer.

New River Valley Regional Jail Expansion & Renovation

New River Valley Regional Jail Authority, Dublin, Virginia. Civil Engineer.

Southwest Virginia Regional Jail System

Southwest Virginia Regional Jail Authority, Dickenson, Scott, and Washington Counties, Virginia. Structural Engineer.

Western Virginia Regional Jail

AECOM/WVRJA, Roanoke, Virginia. Structural Engineer

Abingdon Police Station

Town of Abingdon, Virginia. Structural Engineer.

Bland County Courthouse Addition and Renovations

Bland, Virginia. Structural Engineer.

Bluefield Town Hall

Town of Bluefield, Virginia. Structural Engineer.

Russell County Courthouse Physical Needs Assessment

Lebanon, Virginia. Structural/Civil Engineer.

Russell County Courthouse Renovations

Lebanon, Virginia. Structural Engineer.

Russell County Government Center

Russell County, Virginia. Structural/Civil Engineer.

Tazewell Comprehensive Plan

K.W. Poore & Associates, Town of Tazewell, Virginia. Civil Engineer.

Tazewell County Administration Building Restoration and Adaptive Reuse

Tazewell County, Virginia. Structural Engineer

Tazewell County PSA Central Office Building

North Tazewell, Virginia. Structural/Civil Engineer.

Wise Municipal Building

Town of Wise, Virginia. Civil Engineer.

Montgomery County Government Center

Montgomery County, Virginia. Structural Engineer.

Montgomery County Courthouse and Parking Structure

Montgomery County, Virginia. Structural Engineer.

Radford Municipal Building Additions and Renovations

Radford, Virginia. Structural/Civil Engineer

David W. Blevins, PE, LEED AP
Mechanical Engineering Manager



Education and Training

Master of Science, Electrical Engineering
Virginia Polytechnic & State University,
1999

Bachelor of Engineering, Mechanical
Engineering
University of Virginia, 1968

Registrations

Professional Engineer: VA
Professional Engineer: WV (Pending)
Professional Engineer: MD
Professional Engineer: KY
Professional Engineer: TN
Professional Engineer: NC
Professional Engineer: OH
Professional Engineer: OK
LEED AP, 2009

Professional Affiliations

American Society of Heating,
Refrigerating and Air-Conditioning
Engineers
Institute of Electrical & Electronics
Engineers

Contact Information

Thompson & Litton
P.O. Box 1369
121 E. Main St.
Chilhowie, VA 24319

Phone: 276-646-5050
Fax: 276-646-5040
E-mail: dblevins@t-l.com

Mr. David W. Blevins, PE, LEED AP, will serve as the Senior Mechanical Engineer for this project. Mr. Blevins has a broad range of experience in heating, ventilating, and air conditioning (HVAC), plumbing, security, and electrical design for all types of commercial buildings, institutional facilities, industrial plants, and water and wastewater installations. His responsibilities also include industrial process and material handling installations and engineering studies for special projects such as machinery design and hydroelectric design.

Mr. Blevins has more than 40 years of experience in designing complete HVAC, mechanical, electrical, plumbing, and structural systems for both new and retrofit commercial, industrial, institutional, and residential facilities. His responsibilities include project management; energy conservation; and mechanical, electrical, structural, and civil engineering design. Mr. Blevins also has specialized experience in heat generation systems, solid fuel combustion/ignition systems, and corrosion protection. As a LEED Accredited Professional, David has a comprehensive understanding of green building design practices, principles, and the LEED Rating System.

The following is a sampling of David's project-related experience:

Mount Weather Secure Entrance Facility

Mount Weather National Emergency Coordinating Center, Loudoun County, Virginia. Principal Electrical Engineer.

Pulaski Field Unit Infill

Pulaski Correctional Field Unit Infill. Dublin, Virginia. Project Manager and Chief Engineer.

Botetourt Field Unit Infill

Botetourt Correctional Field Unit Infill. Troutville, Virginia. Project Manager and Chief Engineer.

Culpeper Field Unit Infill

Culpeper Correctional Field Unit Infill. Culpeper, Virginia. Project Manager and Chief Engineer.

Eastern Correctional Institute

Eastern Correctional Institute, Somerset County, Maryland. Principal Electrical Engineer.

Baskerville Field Unit Infill

Baskerville Correctional Field Unit Infill. Boydton, Virginia. Project Manager and Chief Engineer.

Deep Meadow Correctional Facility

Deep Meadow Correctional Facility, State Farm, Virginia. Project Manager and Chief Engineer.

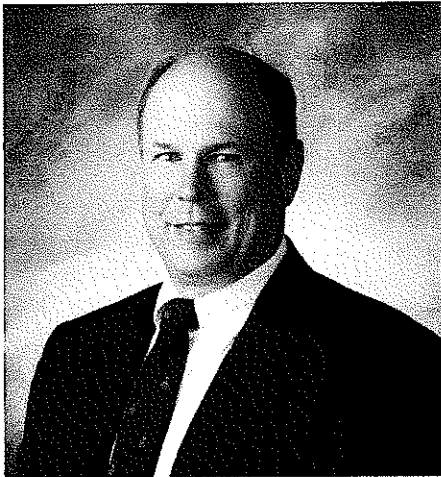
Rappahannock Regional Jail

Rappahannock Regional Jail, Fredericksburg, Virginia. Mechanical Engineer for Value Engineering Study.

Loudoun County Adult Detention Center

Loudoun County Adult Detention Center, Leesburg, Virginia. Mechanical and Electrical Engineer for Value Engineering Study.

James B. Bonham, III, PE, LEED AP
Senior Electrical Engineer



Education and Training

Bachelor of Science, Agricultural
Engineering
Virginia Polytechnic Institute & State
University, 1975

Registrations

Professional Engineer: VA, 1980
Professional Engineer: TN, 1989
Professional Engineer: WV, 1996
Professional Engineer: NC, 1993
Professional Engineer: SC, 1997
LEED AP, 2009

Professional Affiliations

Illuminating Engineering Society of North
America

Contact Information

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P. O. Box 1369
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Phone: 276-646-5050
Fax: 276-646-5040
E-mail: jbonham@t-l.com

Mr James B. Bonham, III, PE, LEED AP, will serve as the Senior Electrical Engineer for this project. As the former President of Bonham Engineering, Inc., a consulting electrical engineering firm, Jim possesses over 30 years of professional experience. Bonham has designed numerous electrical systems for all types of projects, including educational facilities, office and commercial buildings, industrial plants, medical facilities, and water and sewer installations. As a LEED Accredited Professional, Jim has a comprehensive understanding of green building design practices, principles, and the LEED Rating System.

The following is a sampling of his project-related experience:

Commonwealth of Virginia Prisons Projects

Baskerville, Botetourt, Culpeper, and Troutville, Virginia Correctional Units. Electrical Engineer.

Fluvanna Women's Multi-Custody Institute Water and Wastewater Treatment Plant

Fluvanna County, Virginia. Electrical Engineer.

James River Correctional Center 90,000 GPD Wastewater Treatment Plant

Goochland County, Virginia. Electrical Engineer.

Sevier County Jail

Sevierville, Tennessee. Project Electrical Engineer.

Value Engineering and Cost Estimation Juvenile Detention Facility

Culpeper, Virginia. Electrical Engineer.

Wallens Ridge Maximum Security Prison

Big Stone Gap, Virginia. Plan Review/Construction Contract Electrical Inspector and building official for Electrical Systems.

Washington County Interim Workhouse

Jonesborough, Tennessee. Electrical Engineer.

Washington County Jail

Jonesborough, Tennessee. Electrical Engineer.

Washington County Jail - Renovation/Expansion

Abingdon, Virginia. Electrical Engineer.

Eric G. Gentry, LS
Survey Manager



Education and Training
VA DPOR Survey Apprenticeship
Program (with honors), Survey
Virginia Western Community College,
2002

Registrations
Certified Land Surveyor: WV, 2001
Certified Land Surveyor: TN, 2003
Certified Land Surveyor: VA, 2004

Professional Affiliations
WVAS
VAS

Contact Information
Thompson & Litton
726 Auburn Avenue
Radford, VA 24141

Phone: 540-633-1897
Fax: 540-633-1896
E-mail: egentry@t-l.com

Mr. Eric Gentry is well versed in the surveying and construction industry with 22 years of experience in all phases of construction layout as well as all aspects of land surveying. Mr. Gentry has experience working in the international market. He was a Diver for Sub-Sea International and was responsible for performing sub-sea construction in the Gulf of Mexico. His experience is highlighted below:

New River Valley Community Services Facility Renovation & Addition - Surveying

Mountain Empire Services of the Southwest, Blacksburg, Virginia.
Survey Manager.

Radford University Fine Arts Center Layout

Branch & Associates, Radford, Virginia. Survey Manager.

Deerfield Correctional Center - Survey Staking

Moseley Architects/VDOC, Southampton County, Virginia. Survey
Manager.

Grayson County PPEA Site Selection Surveying

Centex Construction/VDOC, Grayson County, Virginia. Survey
Manager.

Green Rock Correctional Center - Surveying

Moseley Architects/VDOC, Pittsylvania County, Virginia. Survey
Manager.

Western Virginia Regional Jail - Surveying

Branch Highways/WVRJA, Roanoke, Virginia. Survey Manager.

Radford Baseball Stadium

Radford High School Foundation, Radford, Virginia. Survey Manager.

Agriculture-Forestry Research Building Topographic Base-Survey/Construction Layout

Virginia Tech, Blacksburg, Virginia. Project Manager.

Alumni Center Utility Record Survey

Virginia Tech, Blacksburg, Virginia. Survey Manager.

Harper Hall Construction Layout Survey

Virginia Tech, Blacksburg, Virginia. Party Chief.

Institutes for Critical Technologies Engineering Facility - Surveying

Virginia Tech, Blacksburg, Virginia. Survey Manager.

Research Building # 10 - Survey

Virginia Tech Corporate Research Center, Blacksburg, Virginia. Party
Chief.

Torgersen Hall Topographic Base-Survey/Construction Layout

Virginia Tech, Blacksburg, Virginia. Party Chief.

Virginia Tech Construction Survey - Various Projects

Blacksburg, Virginia. Survey Manager.

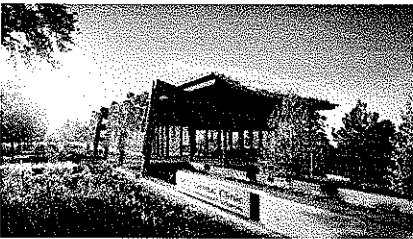
Virginia Tech Campus Wide Control Network - Control Surveying

Virginia Tech, Blacksburg, Virginia. Project Manager.

Thompson & Litton's LEED Certified Projects



Western Virginia Regional Jail



VCU Dental Clinic at Wise, VA



Franklin County
Government Center

LEED is an acronym which stands for Leadership in Energy and Environmental Design. The program, created by the U.S. Green Building Council (USGBC), encourages the use of sustainable practices in the design and construction of buildings and property development. Accredited Professionals in the program have demonstrated knowledge of design and construction of high-performance, healthful, durable, affordable, and environmentally sound commercial, institutional, and high-rise residential buildings.

Thompson & Litton is committed to designing buildings and infrastructure in an environmentally conscientious manner. In addition to the LEED AP program, the firm continues to develop new and creative methodologies for developing LEED Certified projects in our service area, that are both affordable, and serviceable over the life of the building.

The following list is all projects designed by Thompson & Litton that are pursuing LEED Certification

- Western Virginia Regional Jail, Roanoke, Virginia
- VCU Dental Clinic, Wise, Virginia
- First Presbyterian Church Renovation, Bristol, Tennessee

Also, Thompson & Litton has designed several projects that have green components and are listed below:

- Lonesome Pine Regional Business & Technology Park, Wise, Virginia
- Radford Public Safety Building, Radford, Virginia
- Emory & Henry Brooks Field House, Emory, Virginia
- Virginia's Nanotechnology Park, Dublin, Virginia
- Franklin County Government Center, Rocky Mount, Virginia
- UVA Wise New Library, Wise, Virginia
- Appalachian American Energy Research Center, Wise, Virginia
- Southwest Virginia Community College Russell Hall Renovation, Lebanon, Virginia
- UVA Wise Multi-Purpose Center, Wise, Virginia

SECTION SEVEN

UVV 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.

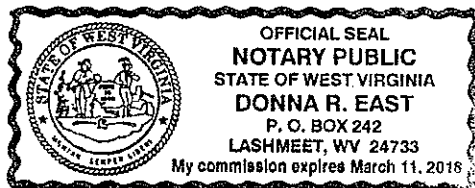
"Debtor" means any individual, corporation, partnership, association, limited liability company or any other form or business association owing a debt to the state or any of its political subdivisions. "Political subdivision" means any county commission; municipality; county board of education; any instrumentality 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: February 1, 2010State of West VirginiaCounty of Mercer, to-wit:Taken, subscribed, and sworn to before me this 1 day of February, 2010My Commission expires March 11, 2018

AFFIX SEAL HERE

NOTARY PUBLIC *Donna R. East*



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
COR61447

PAGE
1

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

RFQ COPY

TYPE NAME/ADDRESS HERE

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

SHIP TO

DIVISION OF CORRECTIONS
VARIOUS LOCALES AS INDICATED
BY ORDER

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
01/14/2010				

BID OPENING DATE: **02/02/2010** 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</p> <p>CONTRACT TO PROVIDE ARCHITECT & ENGINEERING SERVICES FOR THE WEST VIRGINIA DIVISION OF CORRECTIONS, FOR FOUR (4) PROJECTS IN VARIOUS LOCATIONS WITHIN THE STATE, PER THE ATTACHED DOCUMENTATION.</p> <p>EXHIBIT 3</p> <p>LIFE OF CONTRACT: THIS CONTRACT BECOMES EFFECTIVE ON AND EXTENDS FOR A PERIOD OF ONE (1) YEAR OR UNTIL SUCH "REASONABLE TIME" THEREAFTER AS IS NECESSARY TO OBTAIN A NEW CONTRACT OR RENEW THE ORIGINAL CONTRACT. THE "REASONABLE TIME" PERIOD SHALL NOT EXCEED TWELVE (12) MONTHS. DURING THIS "REASONABLE TIME" THE VENDOR MAY TERMINATE THIS CONTRACT FOR ANY REASON UPON GIVING THE DIRECTOR OF PURCHASING 30 DAYS WRITTEN NOTICE.</p> <p>UNLESS SPECIFIC PROVISIONS ARE STIPULATED ELSEWHERE IN THIS CONTRACT DOCUMENT, THE TERMS, CONDITIONS AND PRICING SET HEREIN ARE FIRM FOR THE LIFE OF THE CONTRACT.</p> <p>RENEWAL: THIS CONTRACT MAY BE RENEWED UPON THE MUTUAL WRITTEN CONSENT OF THE SPENDING UNIT AND VENDOR, SUBMITTED TO THE DIRECTOR OF PURCHASING THIRTY (30) DAYS PRIOR TO THE EXPIRATION DATE. SUCH RENEWAL SHALL</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE <i>E.T. Boggess</i>	TELEPHONE 304-425-4491	DATE February 2, 2010
TITLE President	FEIN 55-0515917	ADDRESS CHANGES TO BE NOTED ABOVE

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



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

Request for Quotation

RFQ NUMBER
COR61447

PAGE
2

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

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE

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

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**DIVISION OF CORRECTIONS
 VARIOUS LOCALES AS INDICATED
 BY ORDER**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
01/14/2010				

BID OPENING DATE: **02/02/2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>BE IN ACCORDANCE WITH THE TERMS AND CONDITIONS OF THE ORIGINAL CONTRACT AND SHALL BE LIMITED TO TWO (2) ONE (1) YEAR PERIODS.</p> <p>CANCELLATION: THE DIRECTOR OF PURCHASING RESERVES THE RIGHT TO CANCEL THIS CONTRACT IMMEDIATELY UPON WRITTEN NOTICE TO THE VENDOR IF THE COMMODITIES AND/OR SERVICES SUPPLIED ARE OF AN INFERIOR QUALITY OR DO NOT CONFORM TO THE SPECIFICATIONS OF THE BID AND CONTRACT HEREIN.</p> <p>BANKRUPTCY: IN THE EVENT THE VENDOR/CONTRACTOR FILES FOR BANKRUPTCY PROTECTION, THE STATE MAY DEEM THE CONTRACT NULL AND VOID, AND TERMINATE SUCH CONTRACT WITHOUT FURTHER ORDER.</p> <p>THE TERMS AND CONDITIONS CONTAINED IN THIS CONTRACT SHALL SUPERSEDE ANY AND ALL SUBSEQUENT TERMS AND CONDITIONS WHICH MAY APPEAR ON ANY ATTACHED PRINTED DOCUMENTS SUCH AS PRICE LISTS, ORDER FORMS, SALES AGREEMENTS OR MAINTENANCE AGREEMENTS, INCLUDING ANY ELECTRONIC MEDIUM SUCH AS CD-ROM.</p> <p>REV. 05/26/2009</p> <p style="text-align: center;">NOTICE</p> <p>A SIGNED BID MUST BE SUBMITTED TO:</p> <p style="text-align: center;">DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE 	TELEPHONE 304-425-4491	DATE February 2, 2010
TITLE President	FEIN 55-0515917	ADDRESS CHANGES TO BE NOTED ABOVE

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



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

Request for Quotation

RFQ NUMBER
COR61447

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3

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

VENDOR

RFQ COPY
 TYPE NAME/ADDRESS HERE

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

SHIP TO

**DIVISION OF CORRECTIONS
 VARIOUS LOCALES AS INDICATED
 BY ORDER**

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
01/14/2010				

BID OPENING DATE: **02/02/2010** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
<p>THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED:</p> <p>SEALED BID</p> <p>BUYER: JOHN ABBOTT (32)-----</p> <p>RFQ. NO.: COR61447-----</p> <p>BID OPENING DATE: 2/2/2010-----</p> <p>BID OPENING TIME: 1:30 PM-----</p> <p>PLEASE PROVIDE A FAX NUMBER IN CASE IT IS NECESSARY TO CONTACT YOU REGARDING YOUR BID: ----- 304-425-2028 -----</p> <p>CONTACT PERSON (PLEASE PRINT CLEARLY): ----- Todd Boggess -----</p> <p>***** THIS IS THE END OF RFQ COR61447 ***** TOTAL: _____</p>						

SEE REVERSE SIDE FOR TERMS AND CONDITIONS

SIGNATURE 	TELEPHONE 304-425-4491	DATE February 2, 2010
TITLE President	FEIN 55-0515917	ADDRESS CHANGES TO BE NOTED ABOVE

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