An Expression of Interest 50 Bed Patient Care Unit





916 Fifth Avenue, Suite 208 Huntington, West Virginia 25701 304.697.4990 telephone 304.697.4991 facsimile eta@etarch.com



December 1, 2008

Ms. Roberta Wagner CPIM Senior Buyer Purchasing Division P.O. Box 50130 Charleston, WV 25305-4115

re: Expression of Interest William R. Sharpe Jr. Hospital WSH90086

Dear Ms. Wagner:

Enclosed for your consideration is our Expression of Interest to provide Architectural & Engineering Services for the new 25,000 +/- square foot 50-Bed Patient Care Unit at the William R. Sharpe, Jr. Hospital in Weston, WV.

In reviewing our Firm Profile and Relevant Experience sections, you will see that our combination of talent has produced dozens of successful projects within the demanding and ever changing environment of healthcare. Most of this work has been built in West Virginia, so our knowledge and working relationships with OHFLAC, DHHR and the region's contractors run deep.

The Project Team section details the staff and firm resources that we are prepared to put into action should we be selected for this project. Our team of experts possesses an unmatched depth of healthcare design experience for your project. All of us have worked together in the past to design functional, durable, easily maintained, and attractive buildings that are within budget and produced on schedule. While many of us are LEED accredited professionals, we have been incorporating ways to reduce energy consumption and long term maintenance costs through sustainable practices for many years.

While every addition or renovation presents challenges, design and construction practices in and around an existing hospital is a huge concern. Our firm does not shy away from these challenges, with projects routinely built adjacent to and above critical patient care areas. This can only happen with careful planning and a high level of involvement during construction. We believe that this care and involvement is one of the main reasons for our high percentage of repeat client work. Our firm's construction management practices are engrained in our thinking as a part of our Core Values (see the Firm Profile section).

Thank you for your thoughtful consideration of this Expression of Interest. I look forward to the time when we can discuss the 50-Bed Patient Care Unit more with your selection committee.

Sincerely,

EDWARD TUCKER ARCHITECTS, INC

Edward W. Tucker, AIA



RFQ COPY

TYPE NAME/ADDRESS HERE

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

Request for Quotation

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firm profile



Edward Tucker Architects, Inc. provides full architectural services, including master planning, site analysis, programming, architecture and design, addition/alteration/renovation/adaptive reuse, space planning, surveys and studies and interior design. The firm has experience in a large range of project types, including healthcare, academic, industrial, commercial, religious, preservation and public projects.

Our reputation has evolved by delivering quality design through talented, highly capable and professional staff. Most of our work is derived from relationships with repeat clients who count on our consistent levels of service and added value. Our work is varied, and not of a single architectural style. This reflects our philosophy that every project is unique and deserves a customized, innovative design. By listening carefully to our clients needs we are able to create a functional and beautiful solution.

Founded in 1996 by Edward Tucker, AIA, the firm has grown to its current size of 4 registered Architects, 2 Architectural Interns, 1 Interior Designer and 1 office manager. This firm structure means that every person involved in a project has the education and experience needed to solve problems and create viable solutions.

We enjoy the challenge of new project types and select design team members who can provide the specific expertise needed. We maintain leadership throughout the project, coordinating the overarching need for a coherent solution. Our firm has also built a network of excellent engineering consultants in the fields of site/civil design, structural design and mechanical, plumbing and electrical design.

| PRINCIPAL: | Edward W. Tucker, AIA |
|----------------------|---------------------------------|
| PROJECT MANAGERS: | Walter L. Wilkes, AIA |
| | Nathan Jon Randolph, AIA |
| | Phoebe Patton Randolph, AIA |
| | J.D. Maynard, Associate AIA |
| | Josh M. Dygert, Associate AIA |
| INTERIOR DESIGN: | Heidi Campbell |
| OFFICE MANAGER: | Lisa Black |
| CONTACT INFORMATION: | Edward W. Tucker, AIA |
| | Edward Tucker Architects, Inc. |
| | 916 Fifth Avenue, Suite 208 |
| | Huntington, West Virginia 25701 |
| | (304) 697.4990 voiœ |
| | (304) 697.4991 fax |
| | eta@etarch.com |



firm profile :: core values

CONSISTENT LEADERSHIP: SAME PROJECT TEAM FROM BEGINNING TO END. Working at other firms, many of us watched the quality of a project suffer when project architects and key team members were pulled on and off of jobs.

At ETA, once a leadership team is established, it stays in place throughout the project, from predesign to construction to occupancy. Staff may be added should project needs evolve, but the core team of Principal and Project Architect will not change. This continuity not only ensures good communication of key information, but best maintains the project team's original vision and intellectual investment from design through construction.

SPECIALIZED APPROACH: NO TWO PROJECTS - OR CLIENTS - ARE ALIKE. When you hear that a firm has designed dozens of banks, schools, clinics, etc. it often means that the same design has been used dozens of times - with variations in the "wrapping" or floor plans that are flipped or mirrored.

ETA believes that each project requires a unique, tailored response. Assumptions cannot be made without a thorough examination of a project's site and context, budget, and all of the other client needs and parameters that together define the work to be done. Owner/Design Team study of design exemplars, research and travel to recently completed facilities are common practices to ensure use of best practices within a project type. This pre-design work also helps the Owner and Design Team establish a common language for desirable outcomes that are unique to the project.

AIM WELL. Too many projects follow an all too familiar pattern of "Ready - Fire - Aim."

Alignment of goals, planning, budgeting, uncovering problems to be solved, prioritizing and scheduling are all parts of what must take place in the "aiming" process of project development. A well aimed design is much more likely to hit the target - and the target is different for each project. This is why ETA works diligently with our client's key people, listening carefully to reach a consensus of what the target is.

DOING THE RIGHT THING, ASKING THE RIGHT QUESTIONS. If the Architect is doing all of the talking, how can they learn about you and your project?

ETA listens actively, investigates and obtains objective data, then comes back with fair and insightful comments, answers or solutions. This is accomplished through intensive pre-design sessions with clients and their stakeholders. We resist saying why we can't do something until all options are explored; we look for ways to do the right thing, crafting an architectural response that not only solves functional parameters, but will truly create a lasting sense of identity and a source of pride for all.



firm profile :: core values

MOTIVATING PEOPLE FOR THE LONG TERM. Many large design firms that specialize in a few buildings types constantly fight staff turnover due to dissatisfaction with repetitive work.

ETA's rate of employee turnover is extremely low, due in part to the fulfillment that comes with new design experiences. Rather than seek one dimensional staff with extensive experience in limited areas, we hire and develop people to be information gatherers, critical thinkers and designers that are open to learning new concepts and techniques. While this approach has given ETA extensive experience in some project types, we enjoy and thrive on new challenges. We seek clients that want - and deserve - a unique project identity.

TEAMING FLEXIBILITY. Alignment of appropriate expertise.

We realize that the same group of architects, engineers and consultants may not be the best team for every project. We understand that some projects require the benefit of consultants with experience in specific project types. By not hiring in-house engineers, we are not obliged to utilize staff to be sure they stay busy; rather, we carefully select the appropriate engineering and consultant team based on a project's size, type, complexity and other project specific factors.

OPEN COMMUNICATION. "For the company directory, please dial ..."

We strive to ensure that a real person will always take your call. We recognize the need to be responsive, accessible and attentive to our clients. Utilizing the benefits of a single office filled with highly competent professionals, we are able to offer timely and relevant responses to our clients' needs at all times. ETA's principal, Edward Tucker, is always available to answer questions, listen to concerns and to discuss projects. Because he is involved in every project that comes into the office, he is in a position to respond to each concern in a meaningful way.

ETA leads design review meetings with the client as well as meeting with key user groups to identify their needs. Following design reviews, we issue a written record of decisions made to all team members to ensure that all parties stay on the same page, thus building a history of decisions that guide and affect the project outcome.

RESPONSIBLE COORDINATION. In order to "get it right the first time", each team member must feel accountable to everyone else, not just their assignment.

ETA's work culture is much more "flat" than typical design firm hierarchies. While each design team member is responsible for specific components of work, all team members are responsible to each other for positive project outcomes. Through close communication and proven work processes, drawings and specifications are developed carefully with our consultant team to create a cohesive design with systems, structure and site elements blending seamlessly and closely coordinated. ETA's office configuration encourages collaboration at all levels, from exploring design solutions to detailing construction documents.



firm profile :: core values

BUDGET, QUALITY LEVEL AND SCHEDULE. Will the project come in on budget?

ETA works with clients to define realistic funding and budget realities regarding three key components: Budget, Quality Level and Schedule. Using past project histories, state and national data bases, we develop a construction estimate at project inception and update it throughout the life of the job. We make sure clients understand construction vs. total project budgets as well. In the traditional project delivery method of design-bid-build, our data-based records of actual construction costs help us refine the Construction Documents to meet the target budget. We also work closely with construction contractor and subcontractor resources to stay in tune with bidding and cost climate forecasts in the project's geographical area.

CONSTRUCTION: STAYING ON TARGET TO THE END. How does the Architect carry out the design during construction?

ETA believes that the Project Architect should always administer construction phase duties. The architect who completed the drawings is intimately familiar with the project's overall goals, the client's particular interests and the design documents' intent. We believe this field experience ultimately makes us better designers. On-site project meetings are typically held every two weeks to monitor progress, address questions and solve problems. We make sure that these meetings are documented with detailed meeting minutes that include action items identifying parties responsible for timely issue resolution.

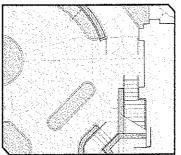
We believe that all of our Core Values contribute to a positive construction experience and outcome, but there are specific ETA protocols for Construction Administration that have earned the respect of both our clients and the construction community. We routinely hold our errors and omissions to less than one percent (< 1%) and we do an excellent job working with contractors to hold down costs on the projects we manage. Through the years we have realized that cost changes and schedule creep are minimized through the following ten practices - many of which take place before the construction begins:

- Project Scope, Schedule and Budget are realistically established at the outset of the project.
- We follow the **Drawing Notation** mantra of: "Say it once, say it correctly, say it in the proper place" through coordinated general, reference and sheet specific key notes. **Specifications** are edited to the needs of each project vs. listing every conceivable system, which only confuses estimators and trades.
- **Project Architects** complete the drawings without drafting technicians. This results in a high level of technical competence, accountability and an efficient path to well coordinated drawings.
- **Drawing Coordination and Quality Control** take place throughout the design process, but are finalized at the end of the construction documents phase by a highly experienced architect who is also not the project's architect. This "fresh set of eyes" is invaluable prior to issuing drawings for bids.
- Bid Periods are carefully timed in an attempt to achieve the most favorable bidding experience.
- **Communicating** often with the contractor's superintendent and project manager. This means responding to telephone calls, e-mails and RFI's with a schedule of action within 24 hours or less.
- We require the contractor's updated **Construction Schedule** and **Work Plan** at each meeting. We treat these as working documents to be used by the contractor's personnel, not just pieces of paper.
- Conducting Pre-Construction Meetings with all major subcontractors present. Customary procedures are discussed and established, but a detailed review of the Work Plan and critical dates are also laid out to achieve buy-in and committment to the Owner's and Contractor's overall goals.
- Requiring preparation of Contractor's Submittal Schedule at the beginning of construction. Staff time for critical path submittals are thereby assured for processing within 2 weeks or less.
- Certifying Payment Applications through timely, first hand visits to the site and ongoing discussions of the project's progress with the superintendent, project manager and client representative.

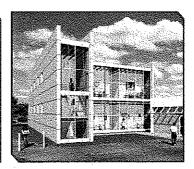




firm profile:: TECHNOLOGY







SOFTWARE

ETA seeks to utilize up to date and reliable technological resources that are appropriate for our firm, our consultants, clients, and each project's application needs. Digital software protocols are ever more important for communications with consultants, contractors and owners.

Architectural/Engineering industry software most commonly utilized includes the following:

• Drafting Software: AutoCAD Architectural Desktop

• Specifications: BSD (Building Systems Design) Spec Link+

• Cost Estimating: BSD Cost Link

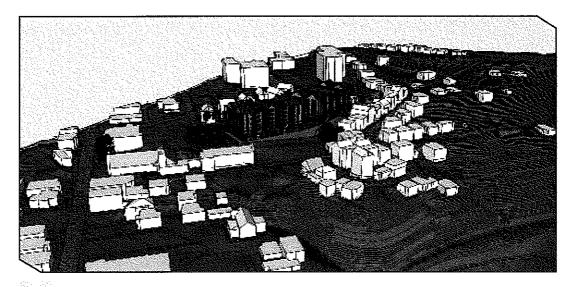
• Graphic Presentations and Communications: Adobe Creative Suite Premium

• 3-D Modeling and Graphics: Sketch Up Pro

Project Management: ArchiOffice

NETWORK

We maintain a network server, multiple CAD workstations, large format color printer, scanner and copier. Our server has dual backup including removable hard drive and an off site backup in the case that disaster recovery is needed. Our network is protected by a Cisco PIX Firewall 501 and Symantec Antivirus. We also maintain an 'FTP' site which allows us to transfer large files to our clients and consultants.





firm profile::community involvement

Our offices are located in the heart of downtown Huntington, West Virginia. Our staff consists of professionals who choose to be a part of a thriving architectural practice that makes a positive impact in the community. As stakeholders in a smaller city community, this opportunity motivates us to strive for personal and corporate success of the firm and community. Employees are involved at local and state levels to build and promote economic, social and leadership capital in the community.

Edward Tucker, Principal

CURRENT POSITIONS:

- Director, Region of the Virginias, American Institute of Architects (AIA)
- Board of Directors, Huntington Symphony Orchestra
- # Huntington Rotary Club

PAST POSITIONS:

- Board Member, Tri-State Council Boy Scouts of America
- Chair of Church Council, Beverly Hills United Methodist Church
- City of Huntington's Historical Commission
- Board of Directors, Huntington's Habitat for Humanity
- Chair, City of Huntington Board of Code Appeals
- President, American Institute of Architects (AIA) West Virginia Chapter

Wally Wilkes, Architect

CURRENT POSITIONS:

▶ Board Member, WV EXPO

PAST POSITIONS:

Treasurer and Director, AIA West Virginia

Nate Randolph, Architect

CURRENT POSITIONS:

- F Chair, Community Development Group Young Professionals Committee
- Huntington Regional Chamber of Commerce
- Councilman, Huntington City Council District 4

Phoebe Patton Randolph, Project Manager

CURRENT POSITIONS:

- Chair, AIA West Virginia Livable Communities Committee
- Co-Chair, Create Huntington Citizen Engagement Committee
- Member, Generation West Virginia Economic Development Committee
- Member, Accessiblility Committee for the Huntington Museum of Art

Lisa Black, Office Manager

CURRENT POSITIONS:

Member, Musical Arts Guild Board of Directors





firm profile :: HERITAGE

EDWARD TUCKER ARCHITECTS, INC. IS FORTUNATE TO CONTINUE A RICH HERITAGE OF PROMINENT ARCHITECTS FROM HUNTINGTON, WEST VIRGINIA.

Edward's grandfather, Albert F. Tucker, became an architect "the hard way". His rural east Tennessee education ended in the eighth grade, but he gained experience beginning as a carpenter and later as a foreman and building supervisor in the early development of the Eastern Kentucky coalfields. He joined the firm of Meanor & Handloser shortly after moving to Huntington in 1917. His association with the firm lasted until 1938 when he obtained licensure and opened his own office. He became known throughout West Virginia and neighboring states where more than 150 congregations of many denominations called upon him to design and supervise construction of their churches and church schools. His contributions were recognized in 1966 when he received an Honorary Doctor of Laws Degree from West Virginia Wesleyan College. His son and Edward's uncle James R. Tucker continued the firm until his retirement from active practice.

Born in 1878 in Frametown, West Virginia, Levi Johnson Dean studied architecture by completing a Scranton Pennsylvania International Correspondence School course. He began practicing architecture in Huntington in 1910. In 1921, the state architectural registration law was enacted and he became the nineteenth architect to be licensed in the state of West Virginia. His legacy includes some of the area's most beautiful architectural works from the area's "boom" years of the 1920's - churches, county courthouses, residences and many commercial buildings such as those on Huntington's Fourth Avenue known for their terra cotta and metalwork trimmed facades. Two private residences designed by Levi Dean are listed on the National Register of Historic Places.

Two of Levi Dean's sons, S. Brooks Dean and E. Keith Dean formed Dean and Dean, Inc. Architects in 1956, in an effort to carry on their father's legacy after his death. Over the next 30 years the firm grew to become the premier architectural firm of Huntington, designing buildings for the area's prominent educational and public institutions. Dean and Dean, Inc. Architects designed many of Huntington's most significant buildings, including seven major commissions at Marshall University and scores of public schools, libraries, banks, medical facilities and commercial buildings. In 1996 the firm was sold to Edward Tucker, with the hopes of continuing the architectural legacy started by Levi Dean nearly a century before.

Growing up in Huntington, West Virginia, Edward Wells Tucker began working with James R. Tucker, AIA and Robert L. Brown, AIA at the age of 16. Graduating with high honors from the University of Tennessee in 1982, he moved to Nashville, Tennessee to continue his architectural internship, gaining licensure in 1986. Between 1982 and 1990, he gained a wealth of experience in many building types, serving as Project Architect of a high rise office and parking structure, university renovation projects, child care centers, church additions, office buildings, industrial buildings, parking structures and state park facilities. In 1990, he joined Vanderbilt University as Staff Architect - Campus Planning, Medical Center. In the following five years, he managed and/or designed projects with a construction value of \$40 million. This period of representing the institution's interests gives him unique insight into his client's concerns that few architects share.

After nearly twelve years in Nashville, Edward returned to Huntington in February 1995 to begin his own firm. This was accomplished through the acquisition and renewal of Dean and Dean, Inc. Architects. On August 1, 1996, the firm of Edward Tucker, Architect officially opened to continue a lineage that began almost ninety years ago. Since that time, the firm has grown to become Edward Tucker Architects, Inc., with a focus on healthcare, academic, industrial, commercial and public projects.



Albert F. Tucker



Levi Johnson Dean



S. Brooks Dean & E. Keith Dean

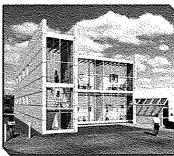


Edward W. Tucker



firm profile :: firm experience







Healthcare

CABELL HUNTINGTON HOSPITAL Huntington, West Virginia

- J. Robert Prichard
 Dialysis Center
- Emergency Room Expansion and Renovation
- In Vitro Fertilization Suite
- Radiology Magnetic Resonance Imaging (MRI) Suite
- Radiology Interventional Suite

GENESIS HEATHCARE CORPORATION Huntington, West Virginia

Renovations to the Heritage Center (Senior Care Facility)

ASSOCIATED CARDIOLOGY, INC. Charleston, West Virginia

Physicians Office Building

HEALTHSOUTH CORPORATION

- Hospital Addition
 Huntington, West Virginia
- Rehabilitation Center Bluefield, West Virginia

Higher Education
MARSHALL UNIVERSITY

Huntington, West Virginia

- Joan C. Edwards School of Medicine
 Erma Ora Byrd Clinical Center
- Forensic Science Center Renovation and Expansion Phases 1-6

K-12 Academic Experience
RACELAND-WORTHINGTON HIGH SCHOOL

Raceland, Kentucky

- Cultural Arts and Athletic Complex
 Gymnasium Addition
- Cultural Arts and Athletic Complex
 Auditorium Addition

ST. JOSEPH ELEMENTARY & MIDDLE SCHOOL Huntington, West Virginia

Industrial

ALCON MANUFACTURING, LTD. Huntington, West Virginia

Facility Expansion and Renovations
Phases 1-3

ROBERT C. BYRD INSTITUTE Huntington, West Virginia

Center for Flexible Manufacturing

FED-EX, INC.

Huntington, West Virginia

Distribution Center at the Tri-State Regional Airport

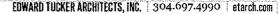
Commercial

RIVER CITY PROPERTIES

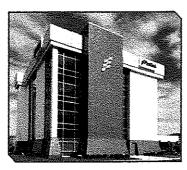
Huntington, West Virginia

- Tenant Renovations for Smith Barney
- Office Building for Merrill Lynch
- Interior Renovations for the Veterans Administration Regional Office





firm profile :: FIRM EXPERIENCE







Commercial

DARCO INTERNATIONAL Huntington, West Virginia

New Office Building

FIRST BANK OF CHARLESTON Charleston, West Virginia

New Bank Building

UNLIMITED FUTURE, INC. Huntington, West Virginia

Phase Two of Mountain Bounty Kitchen, a Shared Use Commercial Kitchen Facility

I.B.E.W. LOCAL #317 Huntington, West Virginia

New Union Hall and Credit Union

NORTHWESTERN MUTUAL FINANCIAL GROUP Charleston, West Virginia

Farant Renovations to the Embleton Building

CHILI WILLI'S MEXICAN CANTINA Huntington, West Virginia

Addition and Renovations for New Restaurant Location

HUNTINGTON FEDERAL SAVINGS BANK Huntington, West Virginia

- **Branch Banking Facility, Huntington Mall**
- **Branch Banking Facility, East Hills**

Religious

ROMAN CATHOLIC DIOCESE OF WHEELING-CHARLESTON

- New Church Building for Nativity of Our Lord Catholic Parish Wayne, West Virginia
- Renovations to the Hunt Building Charleston, West Virginia

HOLY SPIRIT ORTHODOX CHURCH Huntington, West Virginia

New Church and Social Hall

JOHNSON MEMORIAL UNITED METHODIST CHURCH Huntington, West Virginia

Memorial Garden and Renovations to Social Hall

OUR LADY OF FATIMA CATHOLIC CHURCH Huntington, West Virginia

Renovations

26TH STREET CHURCH OF CHRIST Huntington, West Virginia

Sanctuary Addition

Public

CABELL COUNTY COMMISSION
Huntington, West Virginia

- EMS Station No. 2
- EMS Station No. 6

CABELL COUNTY PUBLIC LIBRARY Huntington, West Virginia

Salt Rock Public Library



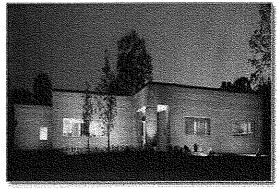




Offering Mechanical, Electrical, Civil and Telecommunication Consulting Engineering Services

ABOUT THE FIRM

Scheeser Buckley Mayfield LLC is an Ohio-based Consulting Engineering firm that serves clients throughout Ohio and the surrounding states. The firm was established in 1959 by Walter L. Scheeser and Edwin J. Buckley, specializing in the design of mechanical systems for the construction industry. The firm has enjoyed a steady growth in clients and geographical area served throughout its history, and its services now include electrical, civil, and telecommunication design.



Scheeser Buckley Mayfield LLC has developed an outstanding reputation for both its accessibility to its clients and the clarity and completeness of its documents. The firm has been a leader in the application of new technology. It has extensive experience in the design and analysis of projects of all sizes, which it can draw upon for future projects. Each project requires an analysis of the most cost effective system available based on the client's design parameters. It is also the responsibility of the design team to determine if other options exist which may be beyond the scope of the current budget and which need to be considered on the current project to allow for future growth. Scheeser Buckley Mayfield LLC gives this personal attention to each project by determining the project design which can be implemented within the client's budget while applying innovative design concepts.

Many of SBM's projects originate from clients who have used its services previously and wish to continue a professional association. Scheeser Buckley Mayfield LLC strives to provide very professional and competent engineering services to all of our clients and to develop a personal relationship with these clients. This on-going association with clients provides an opportunity for them to better understand design concepts as well as the logic behind the decisions which may affect their systems for many years after the project's completion.





Offering Mechanical, Electrical, Civil and Telecommunication Consulting Engineering Services

SERVICES

General Services

Master Planning
Feasibility Studies
Energy Audits
Life Cycle Cost Analysis
Construction Cost Estimates
Construction Inspection
Commissioning
Computerized Calculations
CAD Drawings
LEED Certified Engineers

Telecommunications Services

Voice - PBX, VoiceMail, ACD, IVR
Data - LAN/WAN
Video Systems
Structured Cabling
System Integration
Network Optimization
Cost Study/Audits
Disaster Recovery

Electrical Services

Lighting Systems
Power Distribution
Communication Systems
Fire Alarm Systems
Security and Surveillance Systems
Energy Audits
Power Quality Analysis & Metering
Green Lights Survey
Emergency Power Generation and Distribution
Medium Voltage Power Distribution and
Substation Design

Types of Facilities

Medical
Educational
Institutional
Commercial
Industrial
Laboratory Design
Computer Room Design
Corrections Facilities

Civil Services

Development Layouts
Site Grading
Roadways & Pavement Design
Storm Water Management
Sanitary/Storm Sewer Design
Domestic Water/Fire Line Design
Earthwork Calculations
Drainage & Flood Plain Analysis
Construction Observation

Mechanical Services

Air Conditioning
Heating
Ventilation
Medical Gas Piping & System
Sanitary and Storm Piping
Process Piping
Domestic Water Piping & System
Fuel Oil Piping & Systems



Offering Mechanical, Electrical, Civil and Telecommunication Consulting Engineering Services

PERSONNEL

| Name | <u>Title</u> | Experience |
|---------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|----------------------------------|
| PRINCIPALS | | |
| James E. Eckman, P.E. James P. Kulick, P.E. Michael P. Wesner, P.E. | President – Electrical Engineer Vice President – Civil Engineer V.P. Mechanical Engineering | 23 years 29 years 26 years |
| Marlon Hathaway, P.E. | V.P. Electrical Engineering | 16 years |
| Kevin M. Noble, P.E. | Principal — Civil Engineer | 20 years |
| Christopher J. Schoonover, P.E. Vincent Feidler, P.E. | Principal – Mechanical Engineer Principal – Mechanical Engineer | 15 years 11 years |
| ENGINEERS/TECHNICAL | | |
| John A. McDonough, P.E. | Electrical Engineer (Sr. Associate) | 32 years |
| Joshua Roehm, P.E. | Mechanical Engineer (Associate) | 11 years |
| Chad Montgomery, P.E. | Mechanical Engineer (Associate) | 10 years |
| Ron Radabaugh, P.E. | Electrical Engineer (Associate) | 19 years |
| Joe Harless, RCDD | Telecommunications Designer | 16 years |
| Doug Chapman | Electrical Engineer | 8 years |
| Kevin Donati | Electrical Engineer | 5 years |
| Dave Holbrook | Electrical Engineer | 6 years |
| Joe Ross | Electrical Engineer | 7 years |
| John Varga, E.I.T. | Civil / Mechanical Engineer | 8 years |
| Lan Li, P.E. | Mechanical Engineer | 8 years |
| Kirby Stoller, P.E. | Mechanical Engineer | 8years |
| Chad Headings, P.E. | Mechanical Engineer | 6 years |
| Joseph Bilinski, E.I.T. | Mechanical Engineer | 5 years |
| Ed Hegnauer | Field Representative | 38 years |
| Chris Miller | Civil Technician | 8 years |

Eight additional personnel in Drafting Department Three Word Processing personnel Two Administrative personnel



Consulting Structural Engineers

Steven Schaefer Associate's knowledge of building codes allows us to select the most appropriate design parameters for optimal structural efficiency and performance, to meet your budget, and avoid excessive construction costs. Clear and well-detailed construction documents take time up front but result in lower construction bids, fewer change orders and faster construction.

We have worked on many LEED® certified projects, providing design options to our clients that offer different levels of sustainability. Our priority is getting involved in the process as early as possible – allowing for integrated design, early definition of the owner's goals, and the level of certification they wish to achieve. From a structural standpoint, we look at the percentage of recycled steel, concrete options, and other available sustainable materials to achieve the owner's LEED® goals. Our internal efforts include technical office meetings to review green materials and design options, recycling programs, and green binders to all staff which contain frequently updated materials on the structural aspects of LEED® design.

Our firm has invested extensively in Revit® technology. We have a dedicated, trained team of engineers and detailers that are able to provide 3-D designs in Revit® and contribute to a building information modeling (BIM) project that includes all components and team members.

Founded in 1976, our firm is licensed in every state with thirty-four engineers and a drafting staff of twelve. We've seen our size grow along with our experience, knowledge and capabilities – giving us the ability to meet your deadlines and the flexibility to respond to change. We have earned a reputation for providing quality documents for projects ranging from simple to complex building structures and provide all aspects of structural engineering – planning, design, inspection, investigation.

Steven Schaefer Associates... We design solutions.



James R. Miller, P.E., S.E. President



Edward W. Schwieter, P.E., S.E. Vice President, Technical Leader



J. Greg Sliger, P.E. Principal, Team Leader



Steven E. Schaefer, P.E. Chairman of the



Mike A. Ciprian, P.E. Team Leader



Robert C. Rogers, P.E., S.E. Team Leader



Greg J. Riley, P.E. Team I eader



John R. Ashbaugh, P.E. Team Leader

project team

THE EDWARD TUCKER ARCHITECTS, INC. CORE TEAM CONSISTS OF:

EDWARD TUCKER ARCHITECTS, INC. Architect

SCHEESER, BUCKLEY, MAYFIELD, INC. Mechanical, Electrical, Plumbing & Telecommunication Engineering

STEVEN SCHAEFER ASSOCIATES, INC. Structural Engineering

Edward Tucker Architects, Inc., will have overall responsibility for the 50 Bed Patient Care Unit at the William R. Sharpe, Jr., Hospital with specific responsibility for client liaison, programming, schematic and design development, design and construction document coordination, bidding and construction administration.

To ensure an integrated team structure throughout the project, Edward Tucker Architects, Inc. will be present and provide leadership for all project team meetings, from kick-off to final completion. Close contact with our client while maintaining the same project team throughout the project has always been the policy of Edward Tucker Architects, Inc.

For project engineering services, we have selected consultants that have ongoing and successful working relationships with Edward Tucker Architects, Inc., having completed numerous projects together. Each team member has extensive experience with health care and similar building types in the region. We have assurances from them that this project will be staffed with the professionals listed herein, all of which have collaborated with us before.

Finally, the team that has been selected for the 50 Bed Patient Care Unit at the William R. Sharpe, Jr., Hospital are available and ready to dedicate themselves to this project. The combined resources of our project team have successfully produced numerous coordinated and compatible design projects for public, private and university based health care providers in several states.



project team

Organizational Chart of Proposed Team Edward Tucker Architects, Inc. Edward Tucker, AIA - Principal Phoebe Randolph, AIA Wally Wilkes, AIA **Project Architect Project Architect** Heidi Campbell Interior Designer Scheeser Buckley Mayfield, Inc. Stephen Schaefer Associates, Inc. Civil, Mechanical, Electrical, Plumbing Structural Engineering Consultants and Fire Protection Consultants Greg Sliger, PE - Principal Michael Wesner, PE, LEED AP - Principal Kirby Stoller, PE, Marlon Hathaway, PE **LEED AP** Ryan Konst, PE Project Engineer **Project Engineer** Project Engineer Mechanical and Electrical Fire Protection

Kevin Noble, PE Project Engineer

Civil



Joe Harless, RCDD

Project Engineer

Telecommunications

project team :: EDWARD W. TUCKER, AIA



Edward W. Tucker, AIA

Edward Tucker

Architects, Inc.

Principal

Edward W. Tucker, AIA, is president and principal of Edward Tucker Architects, Inc. Edward manages the firm's overall operations with a focus on professional leadership, design and quality assurance. His project experience includes healthcare, education, research labs/clean rooms, industrial, religious, commercial, historic, and public architecture.

Originally from Huntington, West Virginia, Edward graduated with high honors from the University of Tennessee's Bachelor of Architecture program in 1982. From 1983 to 1995, he worked in Nashville, TN, gaining licensure in 1986. Working with two firms during this time, his responsibilities grew with an emphasis on project management, eventually joining Campus Planning at Vanderbilt University Medical Center. While at Vanderbilt, he was responsible for constructed projects in the Medical Center totaling over 40 million dollars. He also completed the Vanderbilt Leadership Development Forum in 1994.

In 1995, he returned to Huntington to establish Edward Tucker Architects, Inc. Having acquired Dean and Dean Architects, the renewed firm continued their legacy of earning the trust of public, private and community related clients in the Tri-State region. Edward has established the firm as a preferred provider of architectural services in the area; illustrated by repeat clientele such as Marshall University, Cabell Huntington Hospital, Marshall University's Joan C. Edwards School of Medicine, Alcon Laboratories, the Greater Huntington Parks and Recreation District, River City Properties, the Diocese of Wheeling-Charleston, Cabell County Public Library and many area churches.

In 2007, Edward was elected to a three-year term on the American Institute of Architects (AIA) National Board as the Region of the Virginias Director, having previously served as President and Director of the West Virginia Chapter of the AIA. He currently serves on the Huntington Symphony Orchestra Board of Directors. Past civic involvement includes the Tri-State Council - Boy Scouts of America, Beverly Hills United Methodist Church, City of Huntington Historical Commission, Huntington's Habitat for Humanity, Chair of the City of Huntington Board of Code Appeals, Huntington Rotary Club, and Stella Fuller Settlement. Edward resides in Huntington with his wife Lynn. Their son Christopher is an undergraduate student at Case Western Reserve University.

EDUCATION

- University of Tennessee Knoxville, Tennessee Bachelor of Architecture, 1982 Summa Cum Laude
- Denmark's International Studies Copenhagen, Denmark Architecture and Urban Design, Semester Study 1981

PROFESSIONAL EXPERIENCE

- Vanderbilt University Campus Planning Nashville, TN Staff Architect 1990 - 1995
- Adkisson Harrison & Rick Architects, Inc.
 Nashville, TN Architect 1986 1990
- Barge Waggoner Sumner & Cannon Nashville, TN Architectural Intern 1983 - 1986

PROFESSIONAL AFFILIATIONS

- American Institute of Architects (AIA) Director, Region of the Virginias, 2008 2010
- AIA West Virginia Chapter
 - President, Director-Past President, VP-President Elect, Director, 1998 2005

REGISTRATIONS

■ National Council of Architectural Registration Boards

Tennessee * West Virginia * Kentucky * Georgia * Ohio

CIVIC AFFILIATIONS

- Huntington Symphony Orchestra, Board of Directors 2003 2009
- Rotary Club of Huntington Director 2003 2005
- Tri-State Council Boy Scouts of America, Executive Board 1999 2007
- **City of Huntington, Building Code Board of Appeals**, Chair 1997-1999
- City of Huntington, Historic Commission 1997-1999





project team :: EDWARD W. TUCKER, AIA

Medical Center Entrance and Plaza



Edward Tucker Architects, Inc. Principal

1990-1995: Vanderbilt University Medical Center - Architect/Planner - Nashville, TN

As Project Manager, Edward Tucker was responsible for planning, budgeting, review and project administration of the following sample projects:

| Selected Projects | Year Completed | d Location/Area |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Eskind Biomedical Library | 1994 | (new 4 story building) 65,000 sf |
| Dept. of Emergency Med. Admin. Offices | 1994 | Oxford House 6,900 sf |
| Endoscopy Suite & Physician Offices | 1994 | Mecial Arts Building 7,100 sf |
| Stallworth Rehabilitation Hospital | 1993 | (new 3 story building) 108,000 sf |
| Dialysis Clinic, | 1995 | Village at Vanderbilt 12,500 sf |
| Skilled Nursing Facility, VU Hospital | 1995 | MCN "Round Wing" 6,800 sf |
| VUMG Child Care Center | 1993 | (renovated building) 6,900 sf |
| Department of Cell Biology: | | |
| Research Labs/Offices (5 phases) | 1994 | Medical Center North 22,000 sf |
| Department of Medicine: Nephrology Research Labs/Offices Infec. Disease Research Labs/Offices | 1992 1992 | Medical Center North 8,500 sf Medical Center North 2,600 sf |
| Department of Ob/Gyn: Research Labs/Admin. (2 phases) | 1993 | Medical Center North 16,600 sf |
| Staff Parking Garage (1,800 cars) | 1991 | new 6-level parking structure |
| Staff Parking Garage Addition (600 cars) | 1992 | 2-level parking structure addition |
| Dept. of Radiology: Nuclear Medicine Suites (3) Administrative Offices MRI Suite/Hospital Addition Diagnostic Suites/Processing Rooms (3) | 1994 1991 Van | nderbilty University Hospital 3,900 sf Medical Center North 5,600 sf derbilty University Hospital 10,400 sf nderbilty University Hospital 2,900 sf |
| In addition to Project Manager, Edward Tucker | r was also the Archite | ect for the following projects: |
| Dept. of Radiology: CT Scanner Replacements (3) | 1994 Va | nderbilty University Hospital 1,900 sf |
| Pulmonary Sleep Study Lab | 1994 | Medical Arts Building 1,000 sf |
| Nursing Skills Lab | 1993 | Medical Center North 1,000 sf |
| Pulmonary Function Testing Clinic | 1992 | The Vanderbilt Clinic 1,000 sf |
| Radiation & Institutional Safety Offices & Labs | 1992 | Mecial Center North 4,500 sf |
| 化工作设施 医多种环状 化氯化 化苯酚 化二甲基甲基酚 医电影 医电影 医二种二种的复数形式 | and the second of the second of the second | |





East entrance to VUMC 10,000 sf

project team :: walter L. wilkes, AIA



Walter Lee Wilkes, AIA

Edward Tucker Architects, Inc. Project Architect Walter "Wally" Wilkes brings over 28 years of architectural and construction experience to each project. His experience in construction and construction document development adds depth and quality management to Edward Tucker Architects, Inc. His background includes a long history of experience in Healthcare, currently working on several projects for Cabell Huntington Hospital in Huntington, West Virginia, and medical office buildings in the Charleston and Huntington region. Previous healthcare work in West Virginia, Kentucky and Ohio includes: Three Gables Surgery Center, King's Daughters Medical Center, Charleston Area Medical Center, St. Mary's Hospital, Thomas Memorial Hospital and United Hospital.

Wally was Project Manager-Architect for the First Bank of Charleston, a new four story bank completed in 2003 on Charleston's west side.

Wally has also served as Project Architect with other firms on such projects as the Clarksburg Armory, Tri-State Armory, Jane Lew Armory USAR, Benedum Airport Renovations, Preston High School Addition, Walton Middle School, and the Administration Building for the Southwestern West Virginia Community & Technical College.

Wally has served as Treasurer and Director of the West Virginia Chapter of the American Institute of Architects. Before beginning his career in architecture, he served in the United States Navy from 1971-1973 aboard the USS Ponce LPD-15.

EDUCATION

- Marshall University Huntington, WV, BA, Fine Arts, 1975
- **Graduate Assistant** Marshall University, 1976

EMPLOYMENT

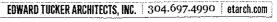
- **Kreps & Kreps Architects** Charleston, WV 1998 2001
- Gandee and Partners, Inc. Charleston, WV 1994 1998
- BSA Design Charleston, WV 1990 1994
- John D. Meyers & Associates Ashland, KY 1985 1990

PROFESSIONAL EXPERIENCE - WITH ETA, INC.

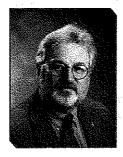
- **Cabell Huntington Hospital**, Huntington, WV
 - → Emergency Department Renovation
 - * Surgery, Endoscopy & ERCP Renovation
 - 8 Radiology Department Renovation
 - ₺ O.R. #10 & 11
 - ₿ LDR O.R.

 - Merritts Creek Family Care Center
 - **▶ Pharmacy Renovation**
 - Wound Care Center
 - **Example 2** Center for Surgical Weight Loss
 - Radiology MRI Suites I & II
 - Radiology Interventional Suite
 - Eabell Medical Plaza Pain Management Center
 - Center for Advanced Reproductive Medicine
 - Betwards Comprehensive Cancer Center Surgical Oncology
- **Summersville Memorial Hospital**, Summersville, WV
 - Radiology, Lab & Pharmacy Renovations
- Joan C. Edwards School of Medicine, Marshall University, Huntington, WV Byrd Clinical Center, 80,000 sq. ft. clinical & educational facility - Imaging Suites
- **Genesis HealthCare**
 - Heritage Center, Huntington, WV
- Associated Cardiology, Inc., Charleston, WV Medical Office Building
- Cornerstone Hospital, (located within St. Mary's Hospital) Huntington, WV Long-term care facility renovation





project team :: walter L. wilkes, AIA



Walter Lee Wilkes, AIA

Edward Tucker Architects, Inc. **Project Architect**

PROFESSIONAL EXPERIENCE - WHILE WITH OTHER FIRMS

- Veterans Administration Medical Center, Beckley, WV 120 Bed Nursing Home Care Unit
- King's Daughters Medical Center, Ashland, KY Cedar Knoll Heights Nursing Home (Planning)

 King's Daughters Medical Center, Ashland, KY
- - Nuclear Medicine
 - E Cardiac Cath Lab
 - § CT Scanner
 - > X-Ray Renovation
 - MRI Renovation
 - * Endoscopy Relocation
 - Oncology Addition
- King's Daughters Medical Center, Ashland, KY

Family Care Centers

- Southpoint, OH
- Figure 1 Ironton, OH
- Olive Hill, KY
- * Grayson, KY
- Flatwoods, KY
- M King's Daughters Medical Center, Ashland, KY Winchester Avenue Medical Center
- **St. Mary's Hospital**, Huntington, WV
- Oncology Center New Linear Accelerators (2) and Open Bed Addition (1)
- Montgomery General Hospital, Montgomery, WV Montgomery Elderly Care Center Renovation
- Nella's Nursing, Elkins, WV
 - Nella's Nursing (2 Facilities New & Renovation)
- **West Virginia School of Osteopathic Medicine**, Lewisburg, WV Tiered Lecture Halls
- Thomas Memorial Hospital, South Charleston, WV Teays Valley Oncology Center
- Three Gables Surgery Center, Proctorville, OH Surgery and Diagnostic Medicine Center

PROFESSIONAL AFFILIATIONS

- American Institute of Architects, West Virginia Chapter
 - > Treasurer, 1999 2003
 - Director, 1996 1999
- **EXPO Committee AIA West Virginia**, 1997, 2004 2006

REGISTRATIONS

West Virginia
 West Virginia
 West Virginia
 Note Not

▶ Vermont





project team :: PHOEBE PATTON RANDOLPH, AIA



Phoebe Patton Randolph, AIA Edward Tucker Architects, Inc. Project Architect

Phoebe Patton Randolph received her architectural training at Pratt Institute and the University of Tennessee, Knoxville, obtaining a Bachelor of Architecture in 2000. She received a Faculty Design Award for her fifth year Comprehensive Design Project, and at the age of twenty-one became the youngest graduate of the College of Architecture + Design. During her fourth year at the University she studied for a semester abroad at the Krakow Polytechnic University in Poland. During this time she traveled extensively, gaining first-hand exposure to classical and modern European architecture.

Following graduation, Phoebe's employment included two years with a firm based in Pawley's Island, South Carolina. Her work there included high end residences as well as commercial projects at Brookgreen Gardens, giving her experience with project management, developing construction documents, and construction administration.

Returning to Huntington in 2003, Phoebe accepted the position of Intern Architect at Edward Tucker Architects, Inc., where she has been responsible for a diverse group of projects including health care, multi-family housing, commercial, religious, industrial food production, library, museum, and historic preservation. In 2008, she achieved licensure in the state of West Virginia and assumed the role of Project Architect. Phoebe resides in Barboursville, West Virginia with her husband Justin.

EDUCATION

- Pratt Institute Brooklyn, NY Pre-College summer program - 1994
- University of Tennessee Knoxville, TN
 Bachelor of Architecture, 2000
 Faculty Design Award 2000
- Krakow Polytechnic University Krakow, Poland Architecture and Urban Design, Spring Semester 1999

EMPLOYMENT

- Sterling Engineering Inc., Maryville, TN Architectural Intern 2000 - 2001
- Steve Goggans and Associates Inc., Pawleys Island, SC Architectural Intern 2001 - 2003

PROFESSIONAL EXPERIENCE

- International Brotherhood of Electrical Workers, Local #317, Huntington, WV New Union Hall and Credit Union – construction completed 2004
- Roman-Catholic Diocese of Wheeling-Charleston
 - Nativity of Our Lord Catholic Parish, Wayne, WV construction completed 2005
- Mountain Bounty Kitchen, Huntington, WV
 - Shared Use Commercial Kitchen Facility construction completed 2006
- Joan C. Edwards School of Medicine, Marshall University, Huntington, WV

 Byrd Clinical Center, 80,000 sq. ft. clinical & education facility construction completed 2007

 Orthopedics & Neuroscience Department Renovations construction completed 2008
- **Cabell County Public Library**
 - Salt Rock Public Library, Salt Rock, WV construction completed 2008
- **Westminster House, Inc.**, Morgantown, WV
 - Student Housing, Child Care Center and Campus Ministry in design

PROFESSIONAL AFFILIATIONS

■ American Institute of Architects, West Virginia Chapter Livable Communities Committee Chair, 2004-2008

REGISTRATIONS

- National Council of Architectural Registration Boards
 - West Virginia





project team :: HEIDI A. CAMPBELL



Heidi A. Campbell

Edward Tucker Architects, Inc. Interior Designer Heidi Campbell is an Interior Designer with over 13 years of professional design experience, with a specialty in corporate and commercial projects. Born in Minnesota and raised in Tennessee, Heidi earned a Bachelor of Science Degree in Interior Design from the University of Tennessee. After graduation, Heidi's first position was with Dollywood Theme Park as Project Coordinator for a major park expansion.

Since relocating to West Virginia, Heidi has had the opportunity to work with both interior design and architectural firms in Charleston, gaining a wide variety of project experience including government, healthcare and corporate design. In 2004, Heidi joined Edward Tucker Architects, Inc. as an Interior Designer and has since utilized her varied design experience to contribute to a number of design projects including large-scale corporate offices, restaurant and hospitality design, and historic preservation projects.

Heidi is also an adjunct faculty member at the University of Charleston in the Interior Design department. She previously taught the Computer Aided Drafting and Design (CADD) course and continues to teach the junior-level Interior Design Studio II course. She lives in Charleston with her husband Chris and son Carter.

EDUCATION

- University of Tennessee Knoxville, TN, BS, Interior Design, 1995
- **Walt Disney World College Program** Orlando, FL, 1992

EMPLOYMENT

- Silling Associates, Inc., Charleston, WV Interior Designer 2003-2004
- DesignSpace LLC, Charleston, WV President/Interior Designer 2001-2003
- **Contemporary Galleries,** Charleston, WV Interior Designer 1999-2001
- Capitol Business Interiors, Charleston, WV Interior Designer 1996-1999
- Dollywood Theme Park, Pigeon Forge, TN Project Coordinator 1995-1996

PROFESSIONAL EXPERIENCE

- Kreps & Kreps Architects Charleston, WV 1998 2001
- Gandee and Partners, Inc. Charleston, WV 1994 1998
- BSA Design Charleston, WV 1990 1994
- John D. Meyers & Associates Ashland, KY 1985 1990

PROFESSIONAL AFFILIATIONS

- Adjunct Professional Instructor, University of Charleston, 2005-2008
- EXPO Committee AIA West Virginia, 2004-2005
- Leadership Charleston, Charleston Regional Chamber of Commerce, 1997



MICHAEL P. WESNER, P.E., LEED AP VICE PRESIDENT – PRINCIPAL - MECHANICAL ENGINEERING

PERSONAL RESUME

Mike is a graduate of Ohio State University in Columbus, Ohio. He received a Bachelor of Science Degree in Mechanical Engineering in 1981 and later that year joined the consulting firm of Scheeser Buckley Mayfield LLC which was then known as Scheeser*Buckley*Keyser.

During his first few years with the firm, Mike was heavily involved with the Title III of the National Energy Conservation Policy Act (NECPA). This governmental program was established as a cost sharing energy conservation grant programs. This program



provided funds to study the operation of schools and hospitals to determine if there were ways to reduce their energy consumption. The program then funded energy conservation measures identified in the reports. As a result of this involvement in many audits and retrofit programs for public school buildings, college and university buildings and hospitals, Mike gained valuable experience in formulating and implementing energy conservation programs in buildings that result in real world savings. This experience carries on in the work that Mike does today.

Since the mid 1980's Mike's project experience has been concentrated in the following areas:

- Large hospital Expansion and remodeling projects.
- Hospital Boiler Plant / Chiller Plant replacement projects.
- University Laboratory projects, both new construction and renovation.
- University Classroom Facilities
- University Dormitory Facilities
- Animal research facilities.
- Secondary education facilities.
- Industrial facilities.
- Telephone / Communications buildings
- Recreation/Athletic Fitness Centers
- Worship Centers

On all of the above facility types, Mike has acted as the Principal in Charge for the firm. The Principal in Charge (PIC) is the single point of contact and is responsible to make sure the project gets done on time and on budget.

Other types of project experience Mike has had are listed as follows:

- Projects where SBM was the prime design professional hired by the Owner. Typically this has been
 for chiller plant/boiler plant or other type of main A/C system replacement. This work involved hiring
 the sub-consultants, preparing the budget/schedule, writing the "front end" specification documents
 and doing all of the day to day construction administration.
- Projects where SBM was hired to diagnose and correct mechanical system problems
- Projects where SBM was hired to do Mechanical and Electrical Construction Cost Estimating

Mike is a LEED[™] 2.0 Accredited Professional and a member of ASHRAE, ASPE, NFPA and BOCA.

KIRBY A. STOLLER, P.E., LEED AP MECHANICAL ENGINEER

PERSONAL RESUME

Mr. Stoller attended the University of Akron and received his Bachelor of Science in Mechanical Engineering, December 1999. Upon graduation, Kirby joined the firm of Scheeser Buckley Mayfield LLC. He passed his Professional Engineering License exam in April 2004.

During college, Kirby was involved in the University of Akron's co-op program and worked at Rubbermaid, Inc, in Wooster, Ohio. He assisted with design projects to support the manufacturing plant and created plant layout drawings for the installation of injection molding machines, automation, and robots. He also met with vendors, obtained quotes, and placed orders to meet project deadlines.

Since working for Scheeser Buckley Mayfield LLC, Kirby has served as the mechanical engineer on a wide variety of projects, primarily for health care facilities and universities and has experience in all aspects

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C, Plumbing, and Fire Protection. He

of the design of mechanical systems for buildings, including HVAC, Plumbing, and Fire Protection. He has also performed project management tasks within the office on many of his projects to coordinate the design team's efforts.

Larger projects in Kirby's background include a 175,000 square foot Patient Bed Tower and 50,000 square foot Cancer Center Building for Cabell Huntington Hospital located in Huntington, WV with total construction budgets of \$55 million and \$18 million respectively; 140,000 square foot (\$42 million) Bio-Technology Lab building for Marshall University located in Huntington, WV; 80,000 square foot (\$18 million) medical office building for Marshall University School of Medicine located in Huntington, WV; 260,000 square foot office building for Fed Ex located in Green, OH; 150,000 square foot church for The Chapel located in Green, OH.

Kirby designed the mechanical systems for the renovation of Douglass High School which is listed in the National Register of Historic Places. The project consisted of a total overhaul of the existing building systems. The interior was renovated to house medical offices and classrooms.

Other projects that Kirby has designed include:

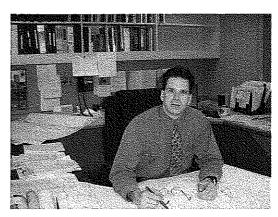
- 15,000 square foot Dialysis Clinic for Cabell Huntington Hospital
- 28,000 square foot facility for St. Timothy's Lutheran Church
- 60,000 square foot office building renovation for the VA
- Additions and renovations to St. Mary's Correctional Center dining facility
- Emergency generator replacement for First Energy
- Multiple boiler, chiller, cooling tower, and air handling unit replacement projects.
- Numerous hospital renovation projects

MARLON C. HATHAWAY, P.E. VICE PRESIDENT – ELECTRICAL ENGINEERING

PERSONAL RESUME

Mr. Hathaway attended The University of Akron where, in 1992, he earned his Bachelor of Science Degree in Electrical Engineering. While at The University of Akron, Mr. Hathaway accepted a position through the cooperative education program at the Veteran's Administration Medical Center in Brecksville, Ohio. During this engagement he gained knowledge of the construction industry.

After graduation, Mr. Hathaway began his career as a consulting engineer with Scheeser Buckley Mayfield LLC. He has since been involved with all aspects of electrical design including: lighting, power distribution, telecommunications



systems, fire alarm systems, video/security systems, nurse call systems and CATV/MATV distribution systems. Mr. Hathaway's responsibilities include both budget and finish electrical construction estimates. He has worked closely with electrical contractors on recent owner requested design/build projects.

During his consulting career, Mr. Hathaway has designed many hospital and health care related buildings. His experiences cover a wide spectrum in this specific field including O.R. Suites, Pathology Labs, Emergency and Trauma Rooms and Medical Office Buildings. He has prepared contract documents for complex electrical medical equipment including x-ray, CT scanners and digital video processing equipment. He has completed projects in the states of Ohio, West Virginia, Kentucky, Pennsylvania, and Florida.

Mr. Hathaway has extensive experience in the design of complex systems such as fire alarm, audio/video, telecommunications (LAN) systems, and CATV/MATV distribution systems. He is currently a member of the Illuminating Engineering Society (IES), Cleveland Section and has also served as Treasurer in past years.

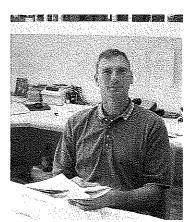
Mr. Hathaway is registered in the State of Ohio, West Virginia, Kentucky, Pennsylvania and Florida.

KEVIN M. NOBLE, P.E. PRINCIPAL

PERSONAL RESUME

Mr. Noble attended the University of Akron where he received his Bachelor of Science degree in Civil Engineering in 1987 and continued his education through night school to receive his Masters of Business Administration from Averett College in 1991.

After graduating with a Civil Engineer degree, Mr. Noble accepted a position as a Water Resource Engineer at Dewberry & Davis, Inc., a top fifty engineering firm located in Washington, D.C. Mr. Noble was assigned to work on the firm's contract with the Federal Emergency Management Agency. His responsibilities included hydrologic and hydraulic analyses, flood plain delineations and storm water management facilities. Prior to leaving the company, he was promoted to project manager where he



obtained valuable experiences in hydraulics and storm water control from projects involving the U.S. Army Corp of Engineers and Tennessee Valley Authority.

From Washington, D.C., Mr. Noble joined the staff of Elewski & Associates, Inc., a municipal civil engineering firm located in Independence, Ohio. There, he engineered a wide range of residential, commercial and industrial development projects and provided field support to facilitate timely completion of construction. Projects included public and private schools, athletic facilities, planned residential developments, multi-phased office parks, municipal building and retail centers. The site engineering involved design of water mains and pumps, sanitary sewers, force mains, pump stations and storm sewer and stormwater management systems. Prior to leaving, he was promoted to Village Engineer, in charge of plan review, infrastructure design, public work projects and construction inspection.

Mr. Noble joined Scheeser Buckley Mayfield LLC in early 1995 as a department head. Since that time he has participated and managed the design of numerous private and public civil and plumbing projects, including prisons, healthcare, utility companies, universities, municipalities, churches, schools and Federal Government. He attends local and national plumbing and civil conventions and seminars to stay in tune with current developing technologies.

He is registered in the State of Ohio, the State of West Virginia, the State of Florida, the State of South Carolina, the Commonwealth of Virginia and the Commonwealth of Kentucky and is a member of the American Society of Civil Engineers and American Society of Plumbing Engineers.

JOE HARLESS, RCDD SENIOR TELECOMMUNICATIONS DESIGNER

PERSONAL RESUME

Mr. Harless has been in the telecommunications industry since he left the construction field in 1991 to install security alarms, fire alarms, CCTV systems, access control systems, CATV cabling, UTP and fiber optic structured cabling, voicemail systems, KSU's, and network electronics for GBS Computer & Communication Systems.

In 1993, Mr. Harless became a Project Manager for GBS where he supervised and coordinated all major installations. During this time he received training and certifications from many manufacturers to ensure GBS' ability to offer extended warranties for their installations.

In 1997, Mr. Harless accepted the position as Network Designer at GBS. There, he performed design, engineering and estimating duties

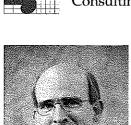
for all GBS' structured cabling and networking projects. In addition to these functions, he provided technical training and support to the field technicians and was responsible for the research and selection of all materials, tools and test equipment.

He received the designation of Registered Communications Distribution Designer (RCDD®) from the Building Industry Consulting Services International (BICSI®) organization in 1997.

Mr. Harless joined Scheeser Buckley Mayfield LLC in July, 2002 as the Senior Telecom Designer and performs the majority of our structured cabling designs along with related telecommunications and technology systems.







J. Gregory Sliger, P.E.

Vice President, Team Leader Joined Steven Schaefer Associates in 1998

Education:

MS Civil Engineering University of Cincinnati, 1980

BS Civil Engineering University of Cincinnati, 1979

Registrations: Associations:

Ohio, Kentucky, West Virginia, Texas, Utah, Wisconsin, North Dakota American Society of Civil Engineers, American Institute of Architects – West Virginia, American Concrete Institute, Concrete Reinforcing Steel

Institute, Structural Engineers Association of Ohio

As team leader, Mr. Sliger oversees the work of his entire technical team. In this role, he has worked on projects of varying sizes, complexity and materials. He both contributed to the structural design and acted as the Project Review Engineer on all of the following projects.

Experience:

Thomas Memorial Hospital Medical Office Pavilion – South Charleston, WV

Cabell Huntington Hospital / Dialysis Center -- Huntington, West Virginia

Kings Daughters Medical Center Outpatient Center – Ashland, KY

Marshall University Student Housing - Huntington, WV

Marshall Clinical Outreach & Education Center – Huntington, WV

Marshall University Campus Christian Center – Huntington, WV

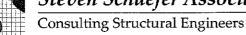
Marshall University Forensic Science Center – Huntington, WV

Marshall University Recreation Center – Huntington, WV

Greenbrier County Public Library – Lewisburg, WV

Marshall University Robert C. Byrd Biotechnology Science Center – Huntington, WV







Ryan M. Konst, P.E.

Project Engineer
Joined Steven Schaefer Associates in 2001

Education: Registrations:

BS Civil Engineering, University of Cincinnati, 2001

Ohio, Kentucky, West Virginia

Associations:

American Society of Civil Engineers, American Institute of Steel Construction, American Institute of Architects, American Concrete Institute, Structural Engineers Association of Ohio (Board of Directors)

Mr. Konst manages the Columbus office of Steven Schaefer Associates. He specializes in design and construction utilizing reinforced concrete, post-tensioned concrete and structural steel. He has extensive experience in the structural design of facilities for higher education and the medical, commercial, and retail/banking industries. His role in the following projects is that of project manager and project engineer. As project manager he oversees the work done by other team members. Mr. Konst provided the structural engineering for the project examples listed below.

Experience:

Kings Daughters Medical Center - Heart and Vascular Center - Ashland, KY

Kings Daughters Medical Center - Medical Plaza Building B - Ashland, KY

King's Daughters Medical Center Outpatient Imaging Center – Ashland, KY

Marshall University Robert C. Byrd Biotechnology Science Center – Huntington, WV

Marshall University Campus Recreation Center – Huntington, WV

Thomas Memorial Hospital Medical Office Pavilion – South Charleston, WV

Thomas Memorial Hospital Imaging Center – South Charleston WV

Sycamore Financial Center - Cincinnati, OH

Centre Pointe Building 5 – Cincinnati, OH

Seton High School Garage / Academic Addition - Cincinnati, OH

Montgomery Elementary School – Montgomery, OH

McAuley High School Addition - College Hill, OH

relevant experience :: HEALTHCARE

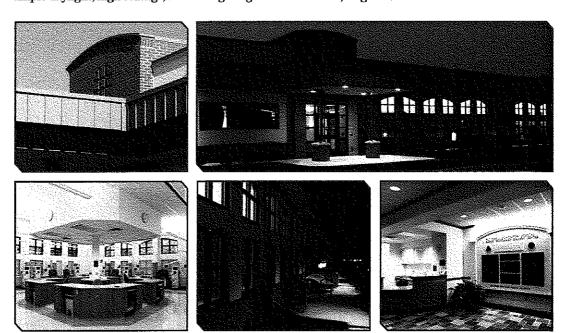


J. Robert Pritchard Dialysis Center at Cabell Huntington Hospital

Huntington, West Virginia - Completed 2002

The J. Robert Pritchard Dialysis Center is a state of the art Kidney Dialysis Outpatient Facility with 28 patient stations and a 2-station peritoneal dialysis training suite. Amenities not commonly found in similar facilities include a spacious family waiting area with conference space, meditation chapel, garden and patient education areas.

Special attention was given to the Treatment Room's atmosphere, as patients spend at least 4 hours here with each visit. This space has received numerous positive reactions, which are attributed to the ample daylight, high ceilings, indirect lighting and use of warm, bright colors.





relevant experience : : HEALTHCARE



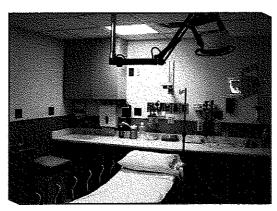
Emerency and Diagnostic Outpatient Care - Cabell Huntington Hospital, Inc.

Huntington, West Virginia

Edward Tucker Architects, Inc. provided planning for reconfiguring major portions of Cabell Huntington Hospital's main Outpatient Treatment and Diagnostic Services area. Demand for increased space for both Emergency Medicine and Diagnostic Treatment space was accommodated through space made available by the Dialysis Unit's relocation to a new building.

Patients with illnesses or injuries that are not life threatening are treated in an expanded, remodeled ImmediateCare Suite. The Emergency Suite expanded from 14 to 19 Treatment Rooms, added a dedicated X-Ray Room, and includes a spaciously redesigned Triage, Registration, Security and Waiting Area.

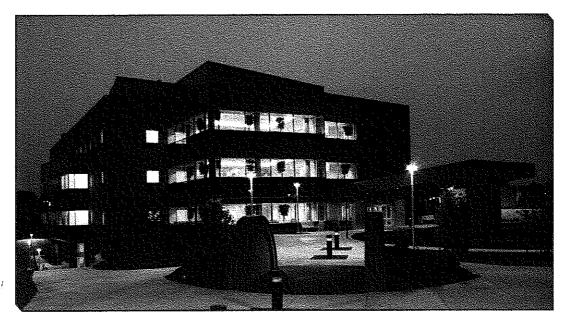
Other Diagnostic Treatment and Radiology Department improvements in adjacent areas include a new CT Scanner Suite, Viewing Room, Staff support space; EEG and EKG Patient and Reading areas, and improved Patient Waiting areas. Total project area is 24,000 square feet. Multiple phasing was planned and executed through close coordination with staff and administration.







relevant experience :: HEALTHCARE AND HIGHER EDUCATION



Marshall University Byrd Clinical Center

Huntington, West Virginia - Completed 2007

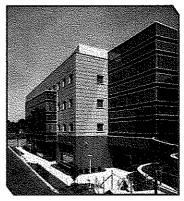
Edward Tucker Architects, Inc. served as lead architect for this 80,000 square foot health care and higher education facility. ETA partnered with Freeman/White, a Charlotte, NC firm specializing in healthcare design. Freeman/White provided design and consulting services in the schematic design and design development phases, with ETA producing construction documents and providing construction administration services. Edward Tucker Architects, Inc. also was responsible for furniture and signage design packages for the project.

The project site was formerly Marshall University's football stadium. This presented a unique challenge due to the elevation change from 'field level' to 'street level.' The first floor of the building is an educational floor that will be used by Marshall's Joan C. Edward's School of Medicine. This floor is accessed from the field level. The educational spaces include a tiered classroom with state of the art audio visual system, a clinical skills lab and reading room. The upper three floors are clinical space. The second floor is at street level, which is the location of the main patient entry. Also in the project scope was a post-tensioned concrete parking deck for patient parking.

The building utilzes soft earth tones, coordinated furnishings and warm lighting to create a comfortable atmosphere for its inhabitants. The large exam rooms, acoustic control and centrally located nurse stations create a functional and pleasant environment for clinical practice.











Outpatient Rehabilitation Center- HealthSouth Corporation

Bluefield, West Virginia

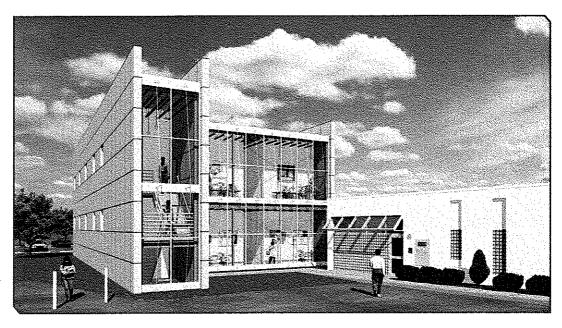
A spacious Therapy Gymnasium, Water Therapy, Treatment and Examination Rooms are located in the Mercer Mall as a convenient location for this Outpatient Rehabilitation Center. Edward Tucker Architects, Inc. associated with local firm E.T. Boggess Architects, Inc. to provide comprehensive design services for HeatlhSouth Corporation, the nation's largest provider of rehabilitation care.







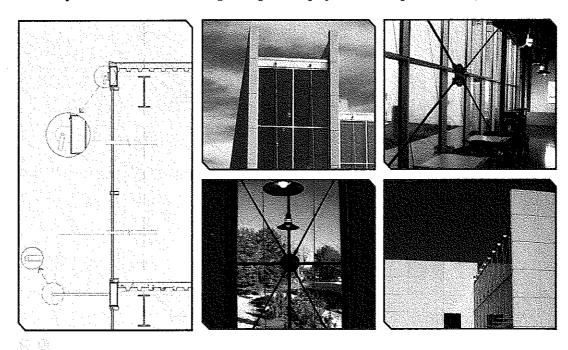
relevant experience : : HIGHER EDUCATION



Forensic Science Center Renovation and Addition for Marshall University

Huntington, West Virginia - Phases 1-2 Completed 2006; Phase 3 Projected Completion 2009

Marshall University commissioned Edward Tucker Architects, Inc. to master plan and design facilities for their growing Forensic Science program. The University chose the project site at the north end of the former Fairfield Stadium. The first phase reused the existing athletic facility building, which was fully gutted and adapted to new teaching and research laboratory uses. The second phase consisted of a two story, 8,000 sf addition that creates a high tech aesthetic through the use of pre-cast concrete, painted steel and glass. It houses lab space for the Cyber Crime division, a large teleconference equipped lecture room, student lounge, project display space, and staff and administrative offices. A 3 story, 16,000 sf laboratory and business incubator wing is designed and projected for completion in 2009.





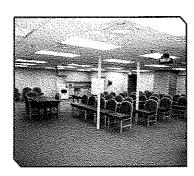


Pain Management Center - Cabell Medical Plaza

Huntington, West Virginia

Cabell Huntington Hospital commissioned Edward Tucker Archtitects, Inc. to design renovations for the Cabell Medical Plaza - Pain Management Suite. The project included conversion of three exam rooms into a new blocking room and prep/hold area and the renovation of an existing blocking room and the existing nurses station. Work consisted of new finishes, radiation shielding design, new

casework and refabrication of existing casework as well as new video and paging systems

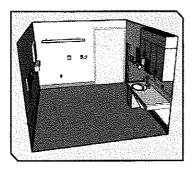


Center for Bariatric Care - Cabell Huntington Hospital

Huntington, West Virginia

Cabell Huntington Hospital commissioned Edward Tucker Architects, Inc. to design renovations for the Center for Surgical Weight Control located in the 20th Street Medical Building (formerly HIMG) in Huntington, WV. The project included the complete demolition of approximately 7,000 sf of the first floor of the building. Work included the installation of exam rooms, bariatric rest rooms,

doctors offices, administrative offices, reception and two large disconnected conference rooms. The center is designed to better serve the regional needs of the bariatric community by monitoring gastric by-pass and adjustabel band patients.



Second Floor - Edwards Comprehensive Cancer Center - Oncology Center

Huntington, West Virginia

Cabell Huntington Hospital and the Edwards Comprehensive Cancer Center commissioned Edward Tucker Archtiects, Inc. to design the 8,000 sf Second Floor fit-out of the Cancer Center for use as a surgical oncology unit for three doctors. The area was previously shelled-out as a new structure in 2006. The Surgical

Oncology unit consists of several exam rooms, treatment rooms, doctors offices, a break room, nurses stations, dictation and waiting areas. Edwards Comprehensive Caner Center personnel and Cabell Huntington Hospital personnel worked in close conjunction with Edward Tucker Architects, Inc. and gave valuable input into the design process of this project which in return rendered a superior outcome.





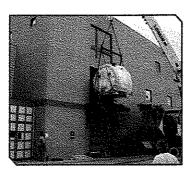


Center for Advanced Reproductive Medicine - In Vitro Fertilization Lab -Cabell Huntington Hospital

Huntington, West Virginia

Cabell Huntington Hospital commissioned Edward Tucker Architects, Inc. to design and administer the construction of a new 600 sf In Vitro Fertilization Lab. The lab offers diagnostic testing for men and women, including assisted reproductive technology. Most challenging aspect of the project was the HVAC and clean air re-

quirements necessary to operate in a completely clean environment. The IVF Lab as achieved a success percentage higher than the national average over it's first and second year of operation.

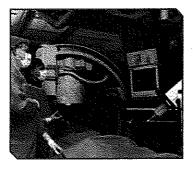


Radiology MRI Suites I & II - Cabell Huntington Hospital

Huntington, West Virginia

Cabell Huntington Hospital commisioned Edward Tucker Architects, Inc. to design and administer the construction of two MRI's located on the first floor of the main hospital building, this offered a challenge in many areas of design and construction. Structure for both MRI's was installed from the first floor down three floors to the sub-basement. Special procedures to reduce building vibrations and signal interference were also incorporated into the projects.

Both the 1.5 tesla and the 3 tesla machines were shielded with copper for radio signal interference and with steel for radiation shielding. The two projects have established Cabell Huntington as the imaging leader in the tri-state area. Both projects were completed on time and under budget.



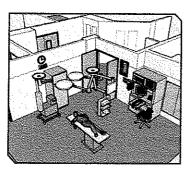
Radiology Interventional Suite - Cabell Huntington Hospital

Huntington, West Virginia

Cabell Huntington Hospital commissioned Edward Tucker Architects, Inc. to design and administer the construction of the Radiology Department Interventional Suite. The project consists a dual C-arm fluoroscope, a dual use contol room and CT Scanner. This addition to the hospital has enabled doctors to use a less invasive means to diagnose and treat several different patient ailments resulting in shorter hospital time and less pain.

The challenge that came with the Interventional Suite project was once again upgrading hospital procedures while dealing with less than optimal structural clearances and support.





OR #11 - Cabell Huntington Hospital

Huntington, West Virginia

Cabell Huntington Hospital commissioned Edward TuckerArchitects, Inc. to design and administer the construction of a new 550 sf Operating Room. Designated OR#11, the new OR is state of the art in equipment, electronics and procedures. New digital storage capabilities now make it possible to archive and retrieve all past procedures preformed in all OR's. It is also possible to share digital information with other OR's and other hospitals. This capability brings the opportunity of consulting with specialists not only on a

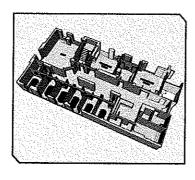
statewide basis but also on an international scale. The project also included the relocation and renovation of the OR Nurses Station and offices.



LDR-OR - Cabell Huntington Hospital

Huntington, West Virginia

Cabell Huntington Hospital commissioned Edward Tucker Architects, Inc. to design and administer the construction of a new 465 sf LDR/OR. This OR is located in a previously shelled in space in the new North Patient Tower constructed in 2007/2008. This OR is primarily designated for gynecological procedures. This project also includes the relocation of the doctors and staff change room complete with shower and custom lockers.



endoscopy procedure totals.

Endoscopy Relocation - Cabell Huntington Hospital

Huntington, West Virginia

Cabell Huntington Hospital commissioned Edward TuckerArchitects, Inc. to design and administer the construction of a new Endoscopy Suite located in the former site of the S.I.C.U. The suite includes three procedure rooms, one having ERCP capabilities, seven prep/hold spaces, workroom, nurses' station and medication room. The project will double Cabell Huntington's



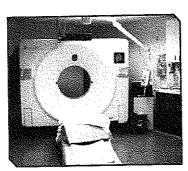


Skilled Nursing Facility - Heritage Center

Huntington, West Virginia

Genesis Healthcare commissioned Edward Tucker Architects, Inc. to design and administer the total renovation of its existing facility while remaining in a fully functional status. Project consists of the renovation of an existing three-story, 76,000 square feet, Skilled Nursing Facility. The major scope of the work centers on new finishes throughout the facility, reopening the facility's upper two floors for re-occupancy, kitchen and assembly room redesign, ADA accessibility upgrades, HVAC, fire alarm, nurse call,

and other systems upgrades as well as a new 28 bed Alzheimer's unit with exterior courtyard.



CT Scanner - Summersville Memorial Hospital

Summersville, West Virginia

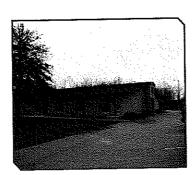
Summersvile Memorial Hospital commissioned Edward Tucker Architects, Inc. to design and administer the construction of their new CT Scanner. Growth in diagnostic and testing services created a need to reorganize a series of spaces in this proposed multiphased project. Services included schematic design thru completed construction. Project also included the installation of new X-ray equipment adjacent to the Scanner.



Medical Office Building - Associated Cardiology, Inc.

Charleston, West Virginia

Private Cardiology practice, 5,000 sf new medical offic building with diagnostic and testing services. Services include planning, design, interiors and construction administration.



10 Bed Addition - HealthSouth Rehabilitation Hospital

Huntington, West Virginia

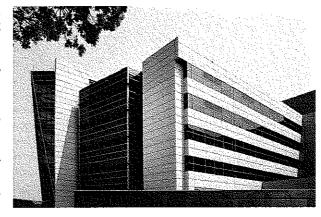
Single story, 3,000 sf addition to the existing wing of this comprehensive care rehabilitation hospital. The addition includes 5 semi-private patient rooms and a day room.

SCHEESER BUCKLEY MAYFIELD LLC

PROJECT EXPERIENCE

CABELL HUNTINGTON HOSPITAL — 165 Bed Patient Tower

The CHH Bed Tower Project is the start of a replacement hospital for this facility. The project houses a new emergency room, ICU/CCU rooms, NICU, maternity floor, and patient rooms. The total project area consists of 175,000 square feet of new construction and 50,000 square feet of remodeled areas. The electrical portion of the project involved the installation of redundant 12.47KV utility sources to an owner owned automatic throwover switch. 12.47KV distribution is fed to multiple double-ended unit substations for generation of 480V and 208V power for the 175,000 square foot hospital addition. The hospital addition includes a new emergency department and includes integration with the existing



emergency department. In order to maintain operation of the emergency department, a temporary emergency department was created and built which included two new elevators which are to serve the temporary emergency department and helipad. The addition included a medical-surgical ward, Labor-Delivery-Recovery (LDR) floor with three C-section operating rooms, an intensive care ward, a critical care ward, and a pediatrics ward. The emergency power system was upgraded to include a 10,000 amp paralleling gear, existing generators added to the new paralleling gear and the addition of two 1,750KW generators. The emergency power system provided a 2,000 amp feed to the new building and distribution to the three emergency power branches (life safety, critical, and equipment branches) via use of transfer switches.

CAMDEN CLARK MEMORIAL HOSPITAL — South Addition

Scheeser Buckley Mayfield LLC provided mechanical and electrical design services for a new building addition to the Camden Clark Campus. The project was completed in several phases. The first phase involved the completion of a 13,000 square foot Plant Operation Building. This portion of the project included a 500 hp boiler installation to expand the existing plant and a 1,300 ton centrifugal chiller plant, cross connected with an existing plant. A new water service entrance was added.



Electrically, the existing service was reworked to accommodate the new addition and to backfeed the existing hospital. A phased switchover of the electrical service minimized outages to the existing hospital during this work. Two 1,250 KVA generators with parallel switchgear were installed. All services were extended to be ready for connection to the new addition portion of the project.

The second phase of the project involved the construction of a four story 180,000 square foot South Addition. The building is expandable up to seven stories. This building houses approximately 95 patient beds including 11 new surgeries, an endoscopy suite, central sterile, pre-and post surgical support areas, an intensive care and critical care unit, and a kitchen/dining area. A portion of this construction (7%) was renovation work. A challenge was to keep existing surgical rooms operational while construction was occurring on the roof above. A mechanical floor was built into the project that housed all air handling equipment, a sub-cooling chiller for the operating room suite, some electrical equipment, and the heating system components. The building utilizes digital automation lighting control which allows for scheduling and versatility.

KINGS DAUGHTERS MEDICAL CENTER - Heart Center

Scheeser Buckley Mayfield LLC performed mechanical, electrical and civil design for a new 200,000 sq. ft., 5 story addition to the existing hospital building. The building is expandable up to ten stories so future capacity was designed into the building to support five stories initially with medium voltage growth to ten stories. Design included lighting, receptacles, and systems devices for 70+ patient rooms, 9 Cath/EP labs, and various other spaces. 12.47 KV was extended from the main hospital building through a tunnel system under Medical Plaza Building A to an indoor 12.47KV switchgear arrangement. This arrangement is setup to



allow for this building to accept redundant feeds from the utility and be taken off of the current system. The indoor 12.47KV switchgear then feeds a 2000KVA indoor dry type substation with fans stepping down to 480/277V distribution voltage. Secondary electrical closets were designed on each floor, stepped down to 208/120V and distributed to each tenant space. In some locations the electrical panels were installed flush in the walls. Lighting throughout the building was 277V with feature lighting on an indoor sculpture and waterfall. The fire alarm system was designed for high rise construction so a voice system was design with future fire fighter telephone jacks located at each stairwell. Lighting protection was designed for future extension of the building. Site design included lighting of a healing garden with sculptures, and a future fountain with a sculpture. Essential power was extended from the main hospital's emergency power distribution system through the tunnel to an emergency distribution switchboard. This emergency distribution switchboard provides power to Life Safety, Critical, and Equipment branch transfer switches Nurse Call and Code Blue systems were and downstream switchboards and distribution panels. designed for each patient care area and other code required spaces. The Code Blue system will be extended from the existing head-end equipment located in Medical Plaza Building A. Address/Sound Systems were also designed for each floor in multiple zones to allow each area to provide its own music and distributed paging.

The HVAC system for the building consists of central station air handling units located in the basement of the addition. Chilled water and steam from the facility's existing chiller plant and boiler plant were extended to serve the new addition and interconnected with the utility services serving the M.O.B. to provide a system loop. The air distribution system consists of VAV terminals with hot water reheat coils. A smoke control system was designed to accommodate the two-story atrium with design considerations given to the addition of future floors and extension/relocation of the smoke control fans located on the roof of the addition. Chilled water and steam/condensate piping were sized and roughed-in for future 10-story expansion. A large portion of the project involved relocating existing underground steam, chilled water, storm, sanitary, fire, and electrical utilities from within the footprint of the new addition. An early site utility relocation package was issued to help facilitate the fast track pace of the project. Phasing of the utility relocation was critical to minimize system downtime. Project also included the installation of a new 400 bhp boiler, upgrades to the existing boiler flue stacks, and a new deaerator system to increase the Boiler Plant capacity.

An early site package was issued to address ongoing flooding problems. Two major storms in 2004 dumped excess amounts of rainfall in the Ashland area. These heavy rains caused the existing public storm and sewer system to back-up and flood the hospital's medical office building that was under construction. These floods caused damage to the new basement mechanical room. SBM completed design to remove and replace the existing public system which included control weirs and overflow structures. The design of the Heart Center building included sanitary and storm duplex pump stations with back-up power.

ST. ELIZABETH HEALTH CENTER - New Hospital in Boardman, Ohio

This project consists of a new 210,000 sq. ft. Hospital addition to the existing Diagnostics Building. This addition consists of a seven-story facility containing 128 general medical surgical beds, 12 ICU beds and five surgical suites. Other areas include Central Sterile, Endoscopy, Physical Medicine and Rehabilitation. Pharmacies, Lab Areas, and a second floor Kitchen and Dining area open to an Atrium at the new Main Entry Lobby. The mechanical design includes the installation of an 1,800 ton central chilled water system, a 27,000 MBTU heating water system, and a steam boiler plant located within the facility. The main plants were designed



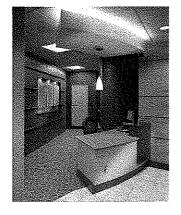
to incorporate the potential future addition of another 100 bed patient tower as well as back-feeding the existing Diagnostic Building. Multiple design strategies were used for energy efficiency including the use of variable volume flow on air, chilled water, and heating water systems. The steam boiler plant was designed with stack economizers to recover heat rejected through the boiler stacks. Multiple air handling units utilizing variable air volume terminal units with hot water reheat coils were used to maintain minimum air quantities. Plumbing systems included the design of medical gas utilities including new manifold systems, alarms, compressors, and associated piping. A secondary water service entrance and fire pump was also designed for the facility. Fuel oil systems were also designed serving steam boilers, hot water heaters, and generators, utilizing transfer pumps, day tanks, and an underground storage tank.

The electrical design includes the upgrade of the existing electrical service, installation of an emergency generator, upgrade of the fire alarm system, nurse call, and clock system. The lighting throughout is primarily 277 volt, and is an extension of the design of the existing Diagnostic Center. Accent lighting was designed in dining and serving areas. A new exterior mounted, medium voltage switchboard was designed to set up the new service arrangement. This three output switchboard backfeeds the existing Diagnostic Center, feeds two new 3000kva, 12.47kv delta to 480/277Y secondary, 3 phase, 4 wire unit substations, and has one spare for future expansion. Secondary electrical closets were set up on each floor to distribute power to branch circuits. Motor Control Centers were designed in mechanical spaces for distribution to mechanical equipment. The essential power distribution design included a new 1500kw, 480/277 volt, 3 phase, 4w diesel generator, which serves transfer switches and downstream switchboards for critical, life safety and equipment branch distribution systems. A voice type fire alarm system for a high rise building was designed, which included upgrading the existing Diagnostic Center system. A public address/paging system was designed which included multiple zones for each area for separate paging and music. An XM Radio system was designed in operating rooms, endoscopy rooms and main lobby. A wireless clock system was designed for ease of expandability and maintenance. Site design included area, canopy and pathway lighting. The Telecom Structured Cabling Design consisted of one main server room and nine telecom rooms. Connectivity between these rooms was achieved with multipair copper (voice.) singlemode and multimode fiber optic (data), and RG-11 (CATV) cable. These rooms terminated over 2000 CAT6 cables from outlets located throughout the facility.

AULTMAN HOSPITAL -2010 Project

Scheeser Buckley Mayfield LLC will provide mechanical, electrical and civil design services for a new 300,000 square foot four-story medical building housing a Women's Center, Heart Center, Emergency Department, connecting to the existing Aultman Hospital. The new building will also have a helipad on its roof. Fire protection will include a fully sprinkled building. Also, included will be the design of a foam extinguishing system for the helipad. Central plumbing

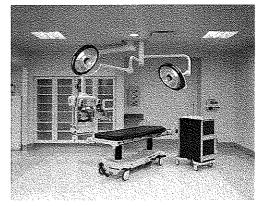




equipment and systems, i.e. gas fired water heaters, water softeners, booster pumps, sewage ejectors, etc., which will be required to serve the building and will be designed and will be independent of any existing plumbing equipment and systems now serving the adjacent hospital buildings. A complete system of direct digital controls will be designed for all HVAC equipment. Interior lighting system for the subject buildings and spaces to include energy efficient lighting systems that utilize, in general, T8 fluorescent lamps and electronic ballast. Building exit signage will also be connected to the buildings emergency power distribution system. Exterior

lighting system for any new walkway areas and parking lots for the new building will be designed. SBM civil design work

includes relocated and reconditioning existing public 42" storm sewer system, 12" sanitary sewer system, and 12" water main system to allow for the vacation of public streets. This work included 30' deep cuts and bore and jack operations along with video inspection and dye testing of existing lines. Sliplining and removed and replaced procedures where analyzed to determine most cost effective approach.



CABELL HUNTINGTON HOSPITAL - Joan C. Edwards Comprehensive Cancer Center



This comprehensive cancer center is part of the Edwards Foundation at Marshall University. The project consists of a 50,000 sq. ft. addition situated in front of Cabell Huntington Hospital and the Joan C. Edwards School of Medicine. The building layout consists of a basement, ground and first floor along with a connector bridge to connect the addition to the existing hospital.

The building will function as a somewhat stand-alone entity on the medical center campus and therefore all parties involved prefer to have the utilities for the building separated from the existing hospital and

medical school building. To this end, a new water service, gas service entrance and electrical service shall be designed for this addition.

The HVAC system for the building consists of central station air handling units located in the basement of

the facility, a modular packaged boiler heating water plant, water cooled helical screw chillers and a direct digital control system. One of the air handling units in the basement shall be dedicated to serving the egress corridors in the building. Use of an air handling unit to serve the egress corridors is a requirement particular to NFPA 90A and this requirement is strictly enforced in the state of West Virginia. Having an air handling unit dedicated strictly for egress corridors increases the degree of difficulty in duct routing in the hospital tremendously especially when there are low floor-to-floor conditions such as in this cancer hospital addition. The air distribution system consists of VAV terminals with hot water reheat coils. Perimeter areas in the building with large amounts of glazing will have a separate radiant panel heating system.

The electrical portion of the project included addition of new medium voltage switch to an existing lineup to serve a new unit substation located at the cancer center. This unit substation provides 480V throughout the multiple floors as well as feeding the normal power to the three emergency power branches (life safety, critical, and equipment) via use of multiple transfer switches. Existing hospital emergency power distribution was extended to serve the cancer center. Also included in the design was a stairtower that connected the existing hospital to the cancer center. Multiple specialized medical equipment areas were designed including two linear



accelerators, PET scan, CT scan, CT simulator as well as public, private, and pediatric infusion areas. A new atrium was built between the existing hospital and the cancer center and the existing servery and dining areas were also renovated as part of the project.

THOMAS MEMORIAL HOSPITAL - Clinical Pavillion

The new Clinical Pavilion at Thomas Memorial Hospital consists of a six-story, 160,000 sq.ft. of new construction and approximately 14,000 sq.ft. of renovation. General scope of new construction included: Three new surgeries and provisions for a fourth future surgery; full service kitchen and dining area; central sterile; outpatient prep/recovery; 19-bed OB unit; the top three floor contained 32 private patient rooms per floor with each floor being equipped with two negative pressure isolation rooms. General scope of renovation consisted of converting an existing surgery waiting area to a new 18-bed P.A.C.U unit. The mechanical design included expansion of the existing steam boiler plant and extension of the existing steam and condensate system from the existing boiler plant to the new addition; new high pressure, variable volume air handling systems with steam to water heat exchangers and variable volume terminal units for individual temperature control; new variable flow chilled water plant consisting of two 450 ton centrifugal water chillers and state of the fiberglass reinforced plastic cooling towers. Both the new chiller and cooling towers were interconnected to the existing chiller and tower piping to provide for a mean of redundancy. New local direct digital control systems for major HVAC equipment; new central medical vacuum and air systems. Modification and extension of the domestic water system extension of the existing fire protection system with standpipes and full automatic sprinkler project was designed.

Healthcare

EMOGENE DOLIN JONES HOSPICE HOUSE - Huntington, WV



This state-of-the-art short-term inpatient facility includes fourteen patient rooms, laundry facilities, spa, kitchen, living room, children's play room and many more amenities. The two-story 17,000 sq ft building with an elevated floor is made up of precast concrete planks spanning between concrete masonry bearing walls. The roof is framed with prefabricated, light gage steel trusses

spanning between light gage steel stud bearing walls.

INDIANSPRING HEALTH CARE - Cincinnati, OH

This new two-story facility opened in the first quarter of 2008. The facility includes an 80-room nursing center, 105 assisted-living units and 31,000 sq ft of retail space. Approximately 89,000 sq ft, the nursing home is built on a sloping site and includes two main floors with a full basement for retail space. An elevated terrace encompasses the entire south elevation. The building features common lounges, workshop and cooking areas, and in-house rehabilitation facilities.

ST MARY'S INTENSIVE CARE UNIT ADDITION - Huntington, WV

This 25,000 sq ft intensive care unit addition includes thirty-four beds located on the second floor roof area of the current hospital. An elevator was added to better serve the new spaces as well as a walkway to the newly built heart center.

MERCY HOSPITAL / ANDERSON EMERGENCY DEPARTMENT

- Cincinnati, OH

This emergency department expansion allows staff to provide quick and efficient care to patients and gives the hospital a 26% increase in patient capacity. Changes include an expanded, more comfortable family waiting area, enlarged and redesigned patient treatment rooms, and central nursing station three times larger than before.

SUMMERSVILLE MEMORIAL HOSPITAL / EMERGENCY ROOM EXPANSION – Summersville, WV

This \$6.3 million expansion provide the public with a new, modern six-bed intensive care unit, move the current emergency department into the old ICU and increase the bed count from 10 to 18. The facility will add two deluxe private obstetrics rooms to the OB department, include a spacious waiting area, and an upgraded exterior, which will renew the 1968 building.



THOMAS MEMORIAL HOSPITAL CLINICAL PAVILION – South Charleston, WV The 154,000 sq ft Thomas Memorial Hospital Clinical Pavilion involves renovation of the adjacent space, including a loading dock area which remained operational during construction. Being adjacent to four existing buildings, this project proved very challenging. Features include a snow bay to minimize drifted snow loads on the adjacent two-story buildings, a new elevator lobby and penthouse built on top of the adjacent five-story medical office building, and a new

corridor built on the roof of another existing building. Due to tight floor-to-floor heights to match the existing building, a 10,000 sq ft area of the new building was designed with cast-in-place construction to minimize the structure depth.

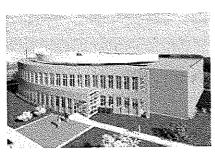
KINGS DAUGHTERS HEART AND VASCULAR CENTER - Ashland, KY

The Heart and Vascular Center is a \$43.5 million 35,600 sq ft facility – the third phase of a major expansion for KDMC. Initial construction includes five floors but the steel frame is designed to be expanded to ten. The first floor includes a reception area, admitting and pre-admission testing. Features include a 20-bed Chest Pain Unit, outpatient diagnostic testing and a procedure room. The third floor features cardiac catheterization labs and vascular surgery suites, as well as a 36-bed pre- and post-procedure unit. The second floor includes a skywalk and dedicated elevator that provides direct access to the medical center.

KING'S DAUGHTERS MEDICAL CENTER OUTPATIENT IMAGING CENTER – Ashland, KY

This \$7 million facility whose futuristic design illustrates the space-age technology available inside is a two-story, 20,000 sq ft building with a steel frame that is designed to accommodate an additional three floors. A composite steel beam and concrete slab system frame the elevated floors. The curved accent wall is a steel tube frame infilled with cold-formed metal framing. Aluminum sun screens on the west-facing wall and lobby wall are attached to a continuous steel tube on the edge of the elevated slabs. Lateral loads are resisted by reinforced concrete shear walls at the stairs and elevators and by steel strut braces.

LINCOLN HEIGHTS HEALTH CENTER - Cincinnati, OH



This \$5.8 million 42,000 sq ft two-story medical building has 2,000 sq ft of treatment space and the capacity to serve 15,000 patients per year. Construction consists of bar joist framed floor and roof, and concrete slab over metal form deck at the first and second floors. The typical exterior wall consists of metal studs supporting brick veneer, while the curved front façade features metal stud framing supporting stone veneer between punched windows.



THOMAS MEMORIAL HOSPITAL CLINICAL PAVILION – South Charleston, WV The 154,000 sq ft Thomas Memorial Hospital Clinical Pavilion involves renovation of the adjacent space, including a loading dock area which remained operational during construction. Being adjacent to four existing buildings, this project proved very challenging. Features include a snow bay to minimize drifted snow loads on the adjacent two-story buildings, a new elevator lobby and penthouse built on top of the adjacent five-story medical office building, and a new corridor built on the roof of another existing building. Due to tight floor-to-floor heights to match the existing building, a 10,000 sq ft area of the new building was designed with cast-in-place construction to minimize the structure depth.

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REFERENCES WILLIAM R. SHARPE JR. HOSPITAL



916 Fifth Avenue - Suite 208 Huntington, West Virginina 25701 304.697.4990 www.etarch.com

Mr. Ron May

Director of Facility Planning & Management Marshall University Huntington, WV (304) 696-6415

Dr. Terry Fenger

Director Forensic Science Center Joan C. Edwards School of Medicine Huntington, WV (304) 690-4373

Ms. Yvonne Jones

Executive Director Ebenezer Medical Outreach, Inc. Huntington, WV (304) 529-0753

Dr. Joseph Touma

Touma Ear Hearing & Balance Center Plic Huntington, WV (304) 522-8800

Mr. Frank Melvin

Superintendent Raceland-Worthington Independent Schools Raceland-Worthington Board of Education Raceland, KY (606) 836-2144

Mr. Ken Staley

Supervisor – Buildings & Properties Roman Catholic Diocese of Wheeling-Charleston Wheeling, WV (304) 233-0880

Mr. Jim Schneider

Associate Dean for Finance & Administration Joan C. Edwards School of Medicine Huntington, WV (304) 691-1720

Mr. Brent A. Marsteller

President and CEO Cabell Huntington Hospital Huntington WV (304) 526-2052

Mr. Gerald Stevenson

Director of Engineering Cabell Huntington Hospital Huntington, WV (304) 526-2038

Ms. Marsha Dillow

Director J. Robert Pritchard Dialysis Center Cabell Huntington Hospital Huntington, WV (304) 526-2310

Mr. James L. McClelland, CLP

Director/Secretary Greater Huntington Park and Recreation District Huntington, WV (304) 696-5954

Mr. Don Nicholls

Board Member Raceland-Worthington Independent Schools Raceland-Worthington Board of Education Raceland, KY (800) 793-5272 COMMUNITY

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ARCHITECTS

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CONSIDER

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BUILT ON A TRADITION

BEAUTY

ARCHITECTURE

CREATIVITY

BALANCE

MUTUAL TRUST

SHARED IDEAS

DEDICATION

LASTING VALUE

SYNTHESIS

COMMUNITY

SOLID

QUALITY DESIGN

LISTEN

SERVICE

SSIONAL RESPONSIBILITY

REFLECTION



Edward Tucker Architects has consistently delivered quality architectural services, providing us with designs that are practical and pleasing to the eye.

Brent Marsteller
 President and CEO
 Cabell Huntington Hospital

COMMUNITY

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QUALITY DESIGN

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SERVICE

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REFLECTION

ANCHITECTS

CAPABILITY

CONSIDER

QUALITY PROJECTS

BULTONATRADITOR

BEAUTY

ARCHITECTURE

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SHARED IDEAS

DEDICATION

LASTING VALUE

SYNTHESIS

COMMUNITY

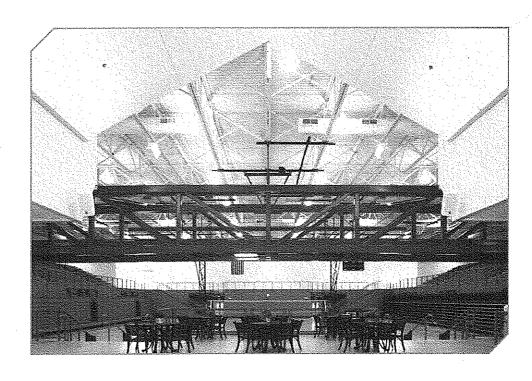
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ISIONAL RESPONSIBILITY



Working with your firm has been a blessing. As Vice Chairman and Raceland Worthington School District's Project Manager, your design effort, creativity, and guidance has produced a world class Cultural Arts and Athletic Complex. Your firm assisted our school district in excellent value engineering to obtain a great facility for a very reasonable cost. Great Job! I was very proud to be in Chicago at the 2006 NSBA show and see our school district's building project along with others all across the USA.

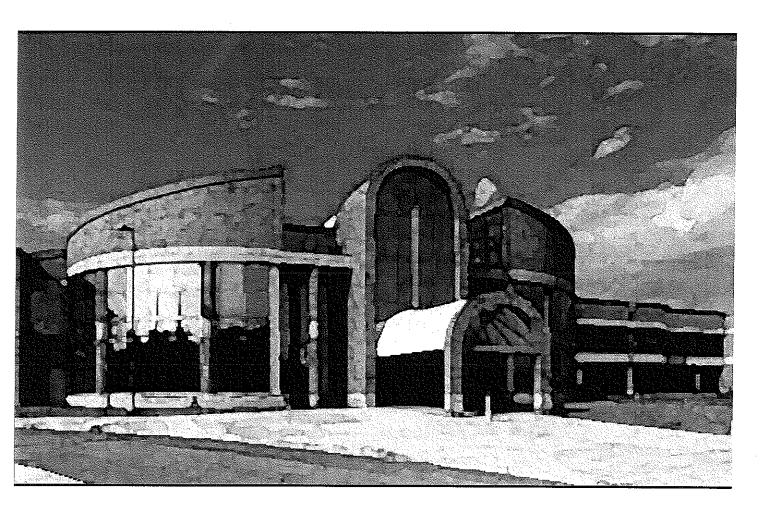
Don Nicholls
 Vice Chairman & Project Manager
 Raceland Worthington School District





Blackwood Associates, Inc. – Architects & Planners **MSES Consultants, Inc.** – Engineers & Environmental

Expression of Interest RFQ: WSH90086



State of West Virginia

William R. Sharpe, Jr. Hospital New 50 Bed Patient Care Unit

Weston, West Virginia

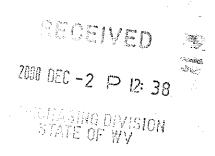




Blackwood Associates, Inc. – Architects & Planners **MSES Consultants, Inc.** – Engineers / ______mental

November 26, 2008

State of West Virginia
Department of Health & Human Resources
William R. Sharpe, Hr. Hospital
Central Receiving
936 Sharpe Hospital Road
Weston, WV 26452



Re:

Architectural/Engineering Services

William R. Sharpe, Jr. Hospital 50 Bed Patient Care Unit

RFQ: WSH90086

Ladies and Gentlemen:

Blackwood Associates, Inc. (BAI) and **MSES Consultants, Inc. (MSES)** are pleased to submit this expression of interest in providing professional services for the proposed 50 Bed Patient Care Unit addition to the William R. Sharpe, Jr. Hospital in Weston, West Virginia. Blackwood Associates, Inc. and MSES Consultants, Inc. were the architect/engineers of record on the William R. Sharpe, Jr. Hospital, which was completed in 1994.

Blackwood Associates, Inc. of Fairmont, WV and **MSES Consultants, Inc.** of Clarksburg and Huntington, have merged operations to become the largest full service architectural/engineering provider in West Virginia. **BAI/MSES** is a single source firm that can provide all professional disciplines required for a project of this nature and size. Professional services will be managed and performed by full-time, in-house personnel out of the Fairmont and Clarksburg offices.

The **BAI/MSES** firm offers a combined professional staff of over 80 people, with registered architects, engineers and a diverse roster of professionals, scientists, technicians and support personnel. Our team also has the ability to provide survey and environmental services when needed. Many of our present personnel were involved in development of documents and construction oversight on the original William R. Sharpe, Jr. Hospital project. Since 1994 our firm has also been involved on several renovation and addition projects that have been developed on the hospital site.

With our knowledge of the William R. Sharpe, Jr. Hospital structure and familiarity with DHHR requirements, **BAI/MSES** can immediately begin work on this project. We have a proven record in working with the administration and staff at the William R. Sharpe, Jr. Hospital. We also have the ability to engage the original food service consultant on the facility to assist with the proposed dining expansion.





Blackwood Associates, Inc. – Architects & Planners **MSES Consultants, Inc.** – Engineers & Environmental

We have enclosed examples of relevant projects along with additional information on the William R. Sharpe, Jr. Hospital. This is only a small example of our work and we recommend a visit to **wvarchitects.com** to see our full project portfolio. We hope to be given the opportunity to present this information in an interview setting.

BAI and **MSES** have a combined 81 years of providing architecture and engineering to State of West Virginia clients. Our 18 years of continuous practice as a team attests to our ability to provide all professional disciplines necessary for a successful project.

We truly look forward to the opportunity to discuss the project with you, and to present our qualifications and approach on a personal basis. Thank you for your consideration.

Sincerely,

BLACKWOOD ASSOCIATES, INC. ARCHITECTS AND PLANNERS

JAMES K. BLACKWOOD, AIA PRINCIPAL

MSES CONSULTANTS, INC. ENGINEERS AND ENVIRONMENTAL

JEFRICA, WISE,

Blackwood Associates, Inc.

Architects and Planners 611 East Park Avenue Fairmont, WV 26554 304-366-1580 304-366-1537 fax jim@wvarchitects.com http://www.wvarchitects.com

MSES Consultants, Inc.

Engineers and Environmental 609 West Main Street Clarksburg, WV 26302 304-624-9700 304-622-0981 fax wise@msesinc.com http://www.msesinc.com





The **Blackwood Associates**, Inc. (BAI) and MSES Consultants, Inc. (MSES) mission is to provide full professional service necessary to assure successful completion of the project. Our practice is based upon the philosophy of providing comprehensive service with a single point of responsibility. By bringing architecture, interior design and engineering together into a single firm, we ensure efficient and effective service.

The firm maintains a staff of highly trained and experienced personnel, including all of the technical disciplines necessary to design the project. Our personnel demonstrate the education and experience required to accommodate the proposed project. We can accommodate any timetable for programming through completion of construction documents and our combined force of specialized professionals would allow BAI/MSES to begin a full range of services immediately.

BAI/MSES have extensive experience working with State and Federal Agencies on hundreds of projects throughout the region, including the original design of William R. Sharpe, Jr. Hospital. **BAI/MSES** have been involved on several projects for the Hospital since its completion in 1994. Recently, **BAI/MSES** designed the new Transitional Facility, which is located on the hospital campus.



Transitional Facility at William R. Sharpe Jr. Hospital

Blackwood Associates, Inc.

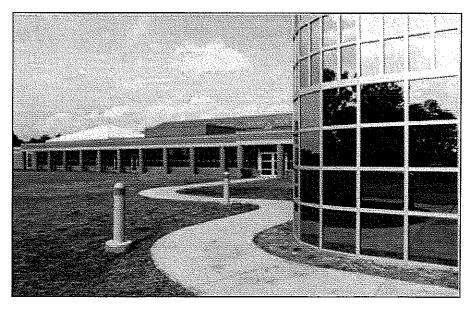
Blackwood Associates, Inc. was originally established as a West Virginia Corporation in 1959. The firm was incorporated as L.D. Schmidt & Son, Architects and Engineers, under the direction of the late Louis D. Schmidt. In 1967, James Blackwood joined the firm as an intern architect and project designer. In 1972, James Blackwood became vice-president of L.D. Schmidt & Son and then assumed the presidency of the Corporation in 1975. In 1981, the Corporate name was changed to Blackwood Associates, Inc. Architects and Planners, to reflect the practice ownership.

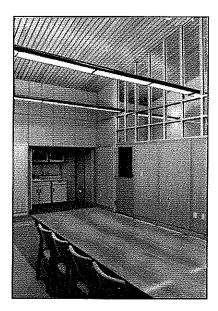


Since that time, the firm has maintained leadership in the design of state-of-the-art governmental, educational, commercial, medical, residential, recreational, and historical adaptive reuse facilities. **BAI** has successfully completed over 600 projects with a construction value in excess of \$550 million in the last 20 years.

BAI is familiar with all aspects of new construction, renovation, build-out design, life safety codes, BOCA codes, ADA requirements, and Federal and State codes and ordinances applicable for this project. In addition, we are keenly aware of the need to design projects with the goal of reducing energy consumption In that regard, **BAI** is a member of the **United States Green Building Council**. The benefits of our experience and diligence are perhaps most effectively demonstrated by our large number of long term clients and continued successful practice in West Virginia. **BAI** has worked for most agencies in West Virginia. Current State projects are under construction for DHHR, Division of Juvenile Services, Division of Veterans Affairs and the School Building Authority. We understand State Purchasing procedures and requirements.

Blackwood Associates, Inc. strongly adheres to the American Institute of Architects Code of Professional Conduct. We serve our clients competently and in a professional manner, and exercise unprejudicial and unbiased judgment on their behalf. **BAI** has never had a project go uncompleted as a result of inadequate staffing, inability to meet Owner requirements or failure to meet established time frames. This commitment of professionalism applies to every **BAI** project and client.





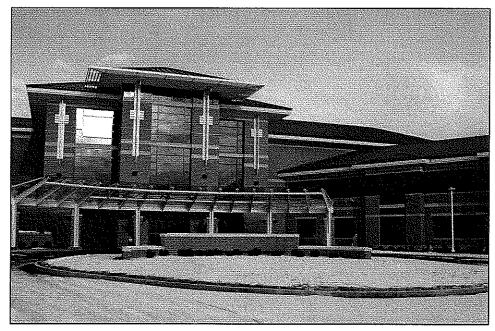
William R. Sharpe, Jr. Hospital





MSES Consultants, Inc.

MSES Consultants, Inc. is a multi-disciplinary engineering, architectural support, environmental, planning, and project management firm, headquartered in Clarksburg, West Virginia. We have amassed 32 years of successful project experience, serving private and public clients since our initial founding as a small, 3-person environmental consulting firm in 1976. MSES expanded rapidly to become a provider of total engineering and environmental services by the year 1978, and we have seen our ranks swell, with a current professional staff of 70, including 12 registered engineers, 2 Certified Industrial Hygienists, 4 asbestos inspectors, 4 asbestos air clearance monitors, 1 lead based paint risk assessor, 6 professional land surveyors, and a diverse roster of professionals, scientists, technicians, and support personnel.



WV Veterans 120 Bed Nursing Facility Clarksburg, WV

MSES personnel have completed more than 10,000 assignments to date. We have been heavily focused on building construction, renovations, and project management since our founding in 1976. Many of our projects have involved site selection studies, designs (HVAC, plumbing, electrical, civil. structural, mechanical, lighting, fire systems, security, and telecommunications), inspections, geotechnical investigations, assessments and reviews, environmental sampling and analysis, property evaluations and appraisals, and project management services throughout West Virginia and surrounding states. MSES also has the ability to address environmental issues that may occur during construction.





Statement on Work Product

Blackwood Associates, Inc., and **MSES Consultants, Inc.** understand all work produced as a result of the contract will become property of the State of West Virginia and can be used and shared as deemed appropriate.

Statement on Litigation Proceedings

Blackwood Associates, Inc., and **MSES Consultants, Inc.** have never been named within the past 20 years, in any litigation or arbitration proceeding related to the firms' performance for any contract for architecture, engineering, environmental, surveying, or any other services provided.

Statement on Debarment

Blackwood Associates, Inc., and **MSES Consultants, Inc.** have never been debarred from bidding or proposing government contracts for the federal government or the State of West Virginia.

Statement on Procurement Laws in the State of West Virginia

Blackwood Associates, Inc., and **MSES Consultants, Inc.** assure that no procurement laws in the State of West Virginia would effect the reward of the project to the firm.

This EOI and any additional presentation material has been developed with explicit understanding of the State of West Virginia's §5G requirements on procurement.





- Architectural
- Civil Engineering
- Structural Engineering
- Electrical Engineering
- Mechanical Engineering
- Chemical Engineering
- Urban/Regional Planning
- Mining Engineering
- Landscape Architecture
- Geologists
- Sanitary Engineering
- Soils Engineering
- Surveyors
- Transportation Engineering
- NACE Corrosion Engineering
- Environmental Science Engineering
- Hydrologists
- Ecologists
- Economists
- Construction Inspectors
- CAD Technicians
- Certified Safety Professionals
- Virtual Reality
- Webmasters



BAI/MSES employ a professional staff of full-time professionals with experience in numerous disciplines.

| Category | Number of | Education | | | | |
|--------------------------------|-----------|----------------------|---------------------|---------------------|--|--|
| | Employees | Associate Degrees | Bachelor Degrees | Advanced Degrees | | |
| Administrative | 6 | 2 | 3 | | | |
| Architect | 2 | ab: 114 | 2 | | | |
| Architect-In-Training | 2 | | 2 | | | |
| Chemical Engineer | 1 | | 1 | 1 | | |
| Chemist | 1 | | 1 | | | |
| Civil Engineer | 3 | *** | 3 | | | |
| Resident Construction Engineer | 2 | 1 | 1 | | | |
| CAD/Design Draftsman | 2 | | 2 | | | |
| CAD/Drafter | 5 | 3 | 1 | - | | |
| Environmental Geographer (GIS) | 1 | | 1 | | | |
| Ecologist | 1 | | 1 | 1 | | |
| Meteorologist | 1 | | 1 | | | |
| Electrical Engineer | 3 | | 3 | | | |
| Geologist | 1 | | 1 | | | |
| Hydrologist | 1 | | 1 | 1 | | |
| Landscape Architect | 1 | | 1 | | | |
| Environmental Engineer | 2 | | 2 | 1 | | |
| Mechanical Engineer | 2 | | 2 | | | |
| Mining Engineer | 2 | | 2 | 1 | | |
| Industrial Engineer | 1 | == | 1 | | | |
| Sanitary Engineer | 2 | | 2 | | | |
| Soil Engineer | 2 | | 2 | | | |
| Transportation Engineer | 1 | | 1 | | | |
| Certified Industrial Hygienist | 2 | | 2 | | | |
| Certified Safety Professionals | 2 | | 2 | | | |
| Safety Engineer | 1 | | 1 | 1 | | |
| Land and Right-Of-Way Agents | 3 | | 3 | | | |
| Paralegal | 2 | | 2 | | | |
| Surveyors | 6 | 4 | 2 | | | |
| Economist | 1 | | 1 | 1 | | |
| Biologist | 2 | | 2 | 2 | | |
| Botanist | 1 | | 1 | 1 | | |
| Engineering Technicians | 4 | 3 | 1 | | | |
| Survey Support | 11 | 4 | | | | |
| Certified Web Designer | 1 | | 1 | | | |

BAI/MSES professionals are supported by the latest computers and computer software, electronic and satellite survey, computer-aided drafting and design, in field data collectors, and our in-house graphic, web development and reproduction center.





Provided is a listing, by state, of the professional disciplines and type of registration per each state or national registry:

| Discipline | BAI/MSES Staff Members Per State | | | | | | | | National |
|---------------------------------------------------------------------------------------|----------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|----------|
| | WV | NY | PA | MD | VA | TN | КҮ | ОН | |
| Architects | 2 | 0 | 1 | 1 | 1 | 0 | 0 | 2 | 1-NCARB |
| Engineers Civil Chemical Electrical Mechanical Environmental Structural Safety Mining | 3 1 3 2 2 1 1 | 1 0 1 1 1 0 0 | 2 1 2 2 1 1 1 | 1 0 1 1 1 0 1 | 3 1 2 2 1 1 1 | 0 0 1 1 1 0 0 | 3 1 1 1 1 1 1 | 3 1 2 2 1 0 1 | |
| Surveyor | 8 | 3 | 3 | 3 | 0 | 2 | 3 | 3 | |
| Geologist | | | | | 1 | ! | | | |
| Asbestos Inspectors Samplers Planner Manager | 4 4 4 4 | | 0 0 0 0 | 0 0 0 0 | 1 1 1 | 0 0 0 | 0 0 0 0 | 1 1 1 | |
| Lead Risk Assessor | 1 | | | | | | | | |
| Licensed Remediation Specialist | 1 | 2 | | | | | | 4 | |
| Underground Storage Tank Inspector Designer/Installer Cathodic Protection Class D/E | 4 2 4 | 0 0 0 | |
| Certified Monitor Well Designer/Driller | 4 | | 2 | 0 | | | 0 | | |
| Certified Safety Professional | | | | | -n | | | | 2 |
| Certified Industrial Hygienist | | | | | | | | | 2 |
| Certified Landfill Operator (SWANA) | | | | | | . - | | | 3 |
| NACE Certified Corrosion Technician Sr. Corrosion Technologist | | | | | | | | | 3 |
| Licensed Real Estate Agent | 2 | – | _ | _ | _ | _ | _ | | |





Blackwood Associates, Inc. – Architects/Planners MSES Consultants, Inc. – Engineers/Environmental

State of West Virginia

Department of Health & Human Resources

Capital Improvement Projects at Hopemont Hospital, Lakin State Hospital, John Manchin Sr. Health Care Hospital, Mildred-Mitchell Bateman Hospital, Pinecrest Hospital, Welch Emergency Hospital, William R. Sharpe Hospital

Contact: Mr. David Hildreth

1-304-558-2882 or dhildreth@wvdhhr.org

Human Resource Development Foundation

Capital Needs Projects in Housing Facilities in Morgantown, Fairmont, Parkersburg,

Wellsburg, Mt. Hope, Salem, Philippi, Aurora, Terra Alta

Contact: Mr. Don Savage, Executive Director

1-304-296-8223 or hrdf@hrdfwv.org

WV Division of Veterans Affairs

West Virginia State Veterans Cemetery, Institute, WV

Contact: Mr. Keith Gwinn, Director

1321 Plaza East – Suite 109 - Charleston, WV

1-304-558-3661 or <u>wvvetaff@aol.com</u>

State of West Virginia

Division of Veterans Affairs

West Virginia Veterans Nursing Facility, Clarksburg, WV (VA)

Contact: Mr. Kevin Crickard, Director

1-304-626-1600 or kevin.b.crickard@wv.gov

Marion County Board of Education – Planning of Multiple Projects

Contact: **Dr. James Phares**, Superintendent

1-304-367-2107 or jbphares@access.k12.wv.us

State of West Virginia

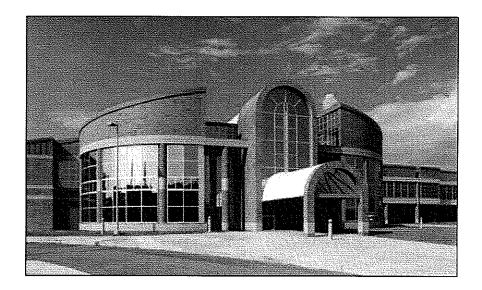
Division of Juvenile Services

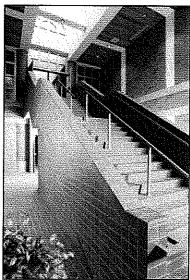
Salem Industrial Home for Youth

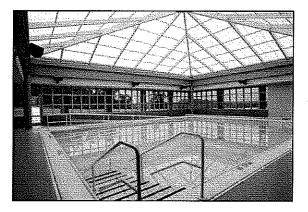
Contact: **Mr. Joe Merendino**, Superintendent 1-304-782-2371 or <u>imerendino@dis.state.wv.us</u>

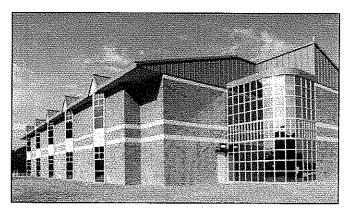
William R. Sharpe, Jr. Hospital

Weston, West Virginia









Designed for West Virginia Department of Health and Human **Resources**, the completed 50-acre development sits atop a hilly site, minutes from the original hospital it replaced. After its design inception, the vision of а first-rate psychiatric treatment facility for West Virginia was finally completed. The project includes 150 patient beds in its 215,000 total square footage. A total project cost of \$30,000,000.00 included an extensive separate site development package.

MAIN BUILDING FUNCTIONS:

Patient registration and admitting, psychiatric emergency and triage, accounting, record keeping, administration, evaluation, treatment, therapy, food service vending and dining, personal care, educational, recreational, lab and pharmacy, medical, personnel development, shipping and receiving, and security.

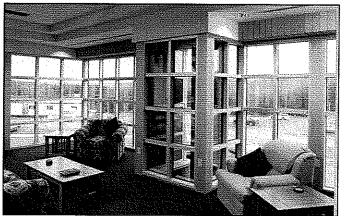
ENGINEERING SERVICES BUILDING:

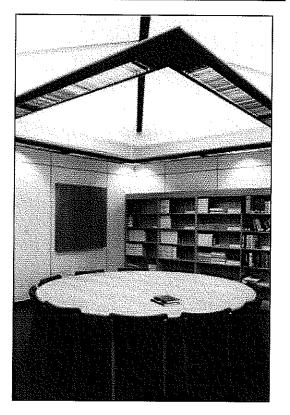
Utilities, generators, boilers, chillers, cooling, towers, engineering and maintenance, systems monitoring, building and vehicle maintenance shops, and waste handling.

William R. Sharpe, Jr. Hospital

Weston, West Virginia









SPECIAL SITE FEATURES:

Mile long access road, roadway bridge; 250,000 gallon water tank and tower; non-biohazard waste incinerator; 340 parking spaces.

SPECIAL FEATURES

Extensive use of skylights and curtainwalls; therapy pool; future greenhouse.

LIFE SAFETY SYSTEMS

Fire alarm, fire sprinklering, smoke/fireresistive construction; engineered smoke control system; separate emergency and standby generators.

HVAC SYSTEM

Central station, 4-pipe AHU's, with "Energy Recovery" air exchangers; ducted Supply and Return Air with VAV boxes and reheat.

SYSTEMS MANAGEMENT

Integrated, DDC-based computer, fully addressable for temperature control, fire alarm, and smoke control.

STRUCTURE

Steel frame; Slab-on-grade and slab on metal deck floors; metal deck roofs.

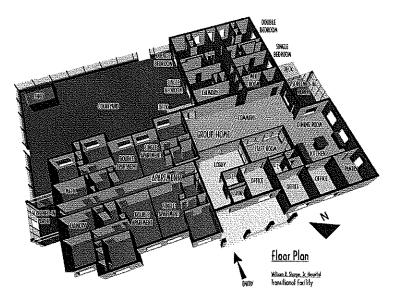
ROOFING

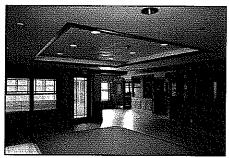
Insulated single-ply EPDM and sloping metal panels.

William R. Sharpe, Jr. Hospital Transitional Facility

Weston, West Virginia







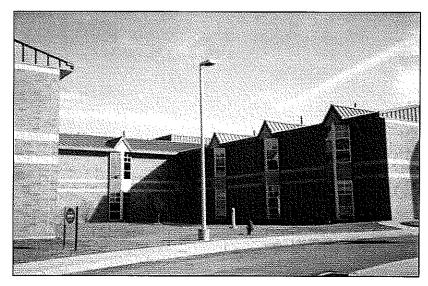


Blackwood Associates, Inc./MSES Consultants, Inc. were selected by the State of West Virginia Department of Health and Human Resources to provide architectural/ engineering services for the new William R. Sharpe, Jr. Hospital Transitional Facility. The step-down unit is on the Sharpe Hospital campus and provides a facility where residents can transition to return to a normal life.

The project consisted of construction of a 7,850 sq. ft. single-story structure located away from the main Hospital. The project included two single-story accessory storage structures. DHHR Office of Health Facility Licensure and Certification oversight was required.

William R. Sharpe, Jr. Hospital Courtyard Enclosure

Weston, West Virginia



before

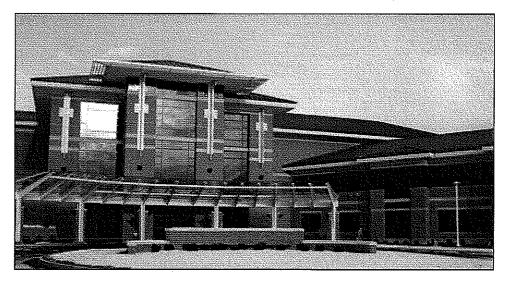


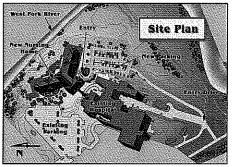
after

Courtyard Enclosure at the William R. Sharpe, Jr. Hospital. Project completed in 2002.

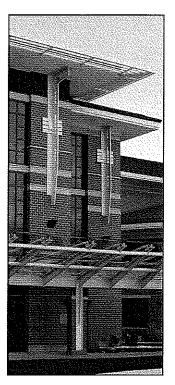
West Virginia Veterans 120 Bed Nursing Facility

Clarksburg, West Virginia











The BAI/MSES team was selected by the State of West Virginia to design the first West Virginia Veterans Nursing Facility. The team utilized the services of **WBCM** of Baltimore to assist in project planning and programming. The three firm team was asked to complete construction documents in compressed time frame resulting from the need to meet VA time constraints. Construction documents on the \$22,000,000.00 building were completed within three months and the State benefited from a \$16.3 million dollar grant from the VA. Building construction began in early 2004 with completion in 2007.

One interesting aspect of the 120-Bed facility is the development of a controlled 18-Bed Alzheimer's Unit. These patients are allowed freedom of movement throughout the Unit and all adjacent courtyards. Patient control is maintained by both video and electronic (Wandering Resident System) means.

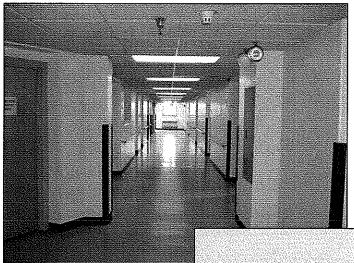
BAI/MSES also provided full services for selection and purchasing of interior furnishings and equipment. This portion of work was approximately \$2,000,000.00. Ultimately, the Nursing Facility became a turn key project with

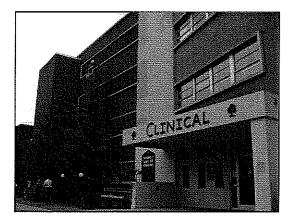
everything in place for the Owner (State of West Virginia).



Department of Health and Human Resources

Three Year Agreement for A/E Services







Blackwood Associates, Inc./ MSES Consultants, Inc. is working with the **State of West Virginia Department of Health and Human Resources** to provide architectural/ engineering services for seven hospital facilities throughout West Virginia. Project basic services are determined after facility assessments.

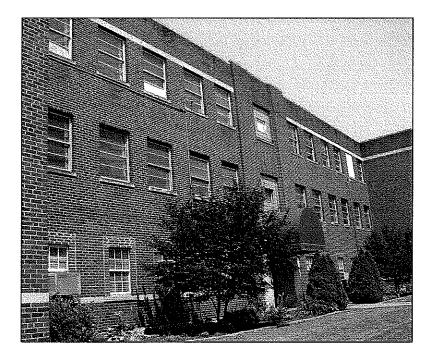
Some projects require review by the **State Fire Marshal**, **OHFLAC** and **WVHCA**.

TYPICAL PROJECTS INCLUDE:

- Construction of a 5 Bed TB Unit at Pinecrest Hospital in Beckley (under construction)
- Major Exterior Upgrades at Hopemont Hospital in Preston County (completed)
- Chiller Replacement at Mildred Mitchell-Bateman Hospital in Huntington (completed)
- Fire Alarm and Nurse Call Replacement at Pinecrest Hospital (under construction)
- Water Tank investigation at William R. Sharpe Hospital in Weston (completed)

Mildred Mitchell-Bateman Hospital

Huntington, WV







Blackwood Associates, Inc./MSES Consultants, Inc. was selected by the State of West Virginia Department of Health and Human Resources to provide architectural/engineering services for Renovations to the Mildred Mitchell-Bateman Hospital in Huntington, West Virginia. BAI assisted the Hospital in preparation of a Certificate of Need in accordance with State of West Virginia Health Care Authority requirements.

WORK WILL INCLUDE:

- Renovations for a new 35 Bed Patient Unit to Building 2 cost \$4,579,500.00. This new unit is being constructed in existing space that was previously gutted.
- Work includes renovation of approx.
 20,000 sq. ft., window replacement,
 elevator replacement, and
 health/safety upgrades.
- Office of Health Facility Licensure and Certification review and approval was required.

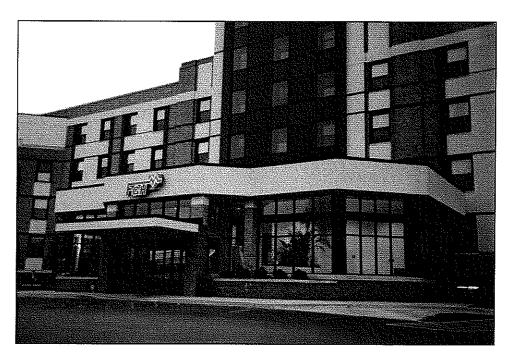
Fairmont General Hospital

Fairmont, West Virginia

Starting in 1984, **Blackwood Associates**, **Inc.** provided architectural services to **Fairmont General Hospital Inc.** for various projects. The firm has been responsible for more than \$7.5 million in construction contracts on the **FGH** campus.

Projects include:

| Emergency/ICU-CCU Addition | \$4,560,000 | |
|----------------------------------------------|-------------|--------------------|
| Office, Conference Renovations | \$390,000 | |
| Medical Records/Library Renovations | \$100,000 | |
| Radiology/Nuclear Medicine Renovations | \$290,000 | |
| Computer Room Renovations | \$110,000 | |
| Gift Shop Renovations | \$25,000 | |
| Laboratory Renovations | \$50,000 | |
| Ambulatory Care Addition | \$530,000 | |
| Admissions Evaluation Unit Addition | \$490,000 | [Rooftop Addition] |
| Parking Lot Additions | \$245,000 | |
| Bower Gift Shop Addition | \$164,000 | |
| Facade Renovations to Original 1939 Building | \$116,000 | |
| Entrance Addition to 1939 Building | \$400,000 | |





Representative Projects

Professional A/E Services

BAI and MSES as separate firms have been involved on numerous health care and similar institutional projects. For **BAI** these services included planning, design and construction administration. **MSES** has provided Mechanical/Electrical/Plumbing, Civil, Survey and Environmental services.

Additional Hospital projects completed by BAI include:

- Braxton County Memorial Hospital
- Roane General Hospital
- Fairmont General Hospital
- Grafton City Hospital

Additional Health Care facilities completed by BAI include:

New Construction:

- WV Veterans Nursing Facility
- Western District Mental Health Center
- Regional VII Public Health Center
- Colin Anderson Center
- Regional IX Public Health Center
- Potomac Comprehensive Diagnostic & Guidance Center
- Hancock-Brooke Mental Health Services Facility
- Westchester Medical Complex
- National Institute of Occupational Safety and Health
- Hampshire County Health Department

Renovations/Conversions:

- Barboursville Veterans Home
- Fairmont General Hospital
- Broaddus Hospital
- Greenbrier Valley Hospital
- Fairmont Emergency Hospital
- Clarksburg V.A. Medical Center

Furnishings/Equipment:

- Braxton County Hospital
- Stonewall Jackson Memorial Hospital
- Regional IX Public Health Center



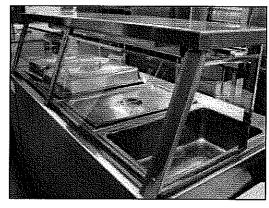


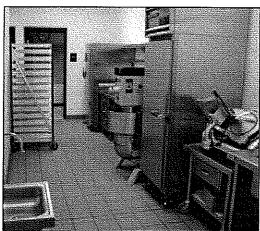
Food Service Experience

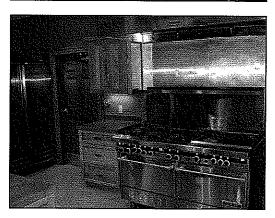
West Virginia

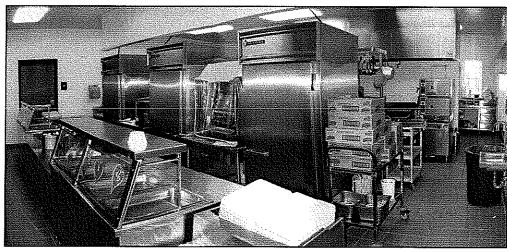
- Hospitals
- Nursing Homes
- Lodge/Conference Centers
- High Schools
- Middle Schools
- Elementary Schools
- College/University
- Commercial
- Residential













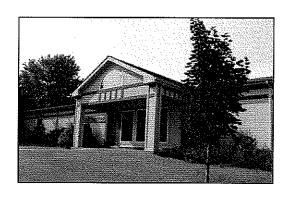
All project work product will be developed at the two office locations as shown below. All documents will be prepared by professionals licensed in their specific disciplines.

BLACKWOOD ASSOCIATES, INC. – ARCHITECTS/PLANNERS

611 East Park Avenue Fairmont, WV 26554 304-366-1580 http://www.wvarchitects.com

Principals: James K. Blackwood, AIA, NCARB

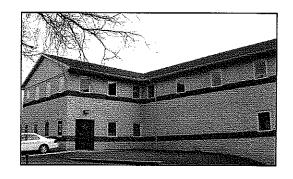
Kenton Q. Blackwood, Assoc. AIA



MSES CONSULTANTS, INC. - ENGINEERS/ENVIRONMENTAL

609 West Main Street, Bldg. 2 Clarksburg, WV 26302 304-624-9700 http://www.msesconsultants.com

Principals: Lawrence M. Rine, QA/QC John J. Keeling, P.E., C.I.H., C.S.P., Q.E.P., L.R.S.







All of the following key professional staff members will be assigned to work on the William R. Sharpe, Jr. Hospital project. Their specific percentage of time devoted to the contract will vary according to specific project needs.

ARCHITECTURAL:



Administrative • Architectural Design

James K. Blackwood AIA, NCARB – Project Principal

Architectural Team • Code Compliance

Pamela J. Wean AIA - Project Architect

Kenton Q. Blackwood Associate AIA – Construction Administration

Tim McMunn, Associate AIA – Designer

ENGINEERING:



Administrative

Lawrence M. Rine - Principal and Quality Assurance

Jeffrey T. Wise – Managing Director

Environmental

John J. Keeling PE, WV, CIH, CSP, QEP

Civil • Site Engineering

Rod Kidd

Mechanical Engineering • HVAC

Dave Skeen PE

Utilities • Plumbing

Louis P. Saas

Electrical Engineering • Fire Alarm Security

Jeffrey K. Pauley PE

Mike Chancey, PE

Key Personnel who have worked on previous William R. Sharpe, Jr. Hospital projects



James K. Blackwood, AIA, NCARB

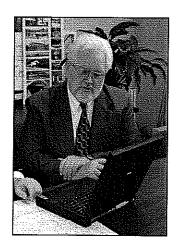
Principal-in-Charge - Architectural Design - Team Leader

Years of Experience with BAI: 40

Years of Experience with Other Firms: 15

Education:

Marietta College Colorado College Bachelor of Science in Architecture, University of Cincinnati



Registration:

Registered Architect

West Virginia – Pennsylvania – Maryland – Virginia – Florida – Ohio Qualifications Certified by NCARB (National Council of Architectural Registration Boards)

Professional Organizations:

American Institute of Architects & the West Virginia Society of Architects

Experience:

As President of Blackwood Associates, Inc., James Blackwood has been architect-of-record on more than six hundred projects. These projects have been located in 41 counties in West Virginia, Pennsylvania, Maryland, Ohio and Virginia and have totaled over \$500 million in current dollar construction value. Individual project budgets have varied from a low of \$30,000.00 to a high of \$30 million.

James Blackwood has directed the BAI staff in the planning and design of facilities throughout West Virginia, including several medical and educational facilities, Governmental, Municipal, High Schools, Middle Schools, Vocational Facilities, Recreational Facilities, Athletic Facilities, Elementary Schools, Colleges/Universities, Hospitals, Churches, Historical, Commercial and Apartment facilities. Mr. Blackwood has also successfully completed continuing education courses at Harvard University's Graduate School of Design in planning design and renovations.

Mr. Blackwood leads the programming and planning efforts for the firm on all projects. His responsibilities include meeting with design committees, administrators and Owner representatives. The information gained from this input is used to guide the BAI design team in development of the most cost effective and imaginative facilities. BAI design efforts in the past have been recognized for both DESIGN EXCELLENCE and CRAFTSMANSHIP by the West Virginia Society of Architects.

Blackwood Associates, Inc.



Pamela J. Wean, AIA
Project Architect

Years of Experience with BAI: 10

Years of Experience with Other Firms: 13

Education:

Bachelor of Science - Architectural Technology, Fairmont State College Assoc. of Applied Science - Interior Design, Fairmont State College

Registration:

Registered Architect

West Virginia - Ohio

Professional Organizations:

American Institute of Architects West Virginia Society of Architects National Trust for Historic Preservation

Employment History:

Plans Examiner and Code Official, City of Kettering, OH Associate/Project Architect, Levin Porter Associates Inc., Dayton, OH

Experience Summary:

Pamela Wean joined Blackwood Associates, Inc. as an architect. Her duties include project management, development of construction documents, advanced architectural design, and technical illustrations. In addition to being a former Code Official in Ohio, she acted as designer and/or project architect on the following projects:

- Pinecrest Hospital 5 Bed TB Unit
- Mildred Mitchell-Bateman Hospital 35 Bed Patient Unit
- WV 120 Bed Veterans Nursing Facility
- William R. Sharpe Jr. Hospital Transitional Facility
- PACETEC Training and Evaluation Center
- Augusta & Romney Elementary School Additions
- Tucker County High School Additions
- Tygarts Valley High School Additions
- Addition and Renovation to Anna Jarvis Elementary School
- Montgomery County Senior Citizens Center
- Washington Township Senior Citizens Center
- Miami University Ogden Hall & Dining Rooms
- Urbana University Science Building
- Miamisburg City Schools Misc. Additions and Renovations
- Wright State University Engineering/Computer Science Facility
- Dayton International Airport Additions and Renovations
- Montgomery County Public Libraries



Kenton Q. Blackwood, Associate AIA

Vice President

Years of Experience with BAI: 26

Education:

West Virginia University

Professional Organizations:

Associate Member of American Institute of Architects

Experience:

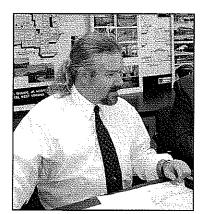
Kenton Blackwood has been with Blackwood Associates, Inc. for more than 20 years. He directs the BAI staff in the planning and design of facilities throughout West Virginia. He is experienced in site evaluation and design, building program evaluation, planning and design, construction document development and on-site construction observation.

In addition, he has taken BAI to the forefront of technological architectural media with his knowledge of vector-based 3D computer modeling and CAD applications. His proficiency with "virtual reality" modeling allows BAI to use these technologies as a design tool. Where other firms may provide elevations or a traditional architectural rendering to convey an idea, BAI can take a client around and through a design, studying different forms, lighting, color schemes and finishes, and make any revisions before the first shovel of soil is overturned.

Kenton Blackwood's skills as a designer and modeler have benefited many clients. Developers, administrators, school boards, design committees, and non-profit groups have used his skills to help obtain funding and approval for proposed projects all across West Virginia.

In addition to his talent as a 3D designer, Kenton Blackwood has provided important design input on and/or served as job captain on dozens of projects. Some of these projects include:

- Hopemont Hospital Exterior Upgrades
- William R. Sharpe, Jr. Hospital, Weston, WV Courtyard Enclosure
- VA Medical Center, Clarksburg, WV Women's Clinic
- Veterans Square Plaza and Parking Garage, Fairmont, WV AIA Award Winner
- Hutchinson House Historic Restoration, Fairmont, WV AIA Craftsmanship Award Winner
- Addition to the Mountainlair Student Union, WVU
- Admissions/Evaluation Unit, Fairmont General Hospital, Fairmont, WV
- Blackshere Elementary School, Mannington, WV
- Romney Unity Apartments, Romney, WV
- Hampshire County Health Department, Romney, WV
- Fayette Hills Unity Apartments, Oak Hill, WV



| MSES Consultants, Inc | MSES | Cor | rsulta | nts. | Inc |
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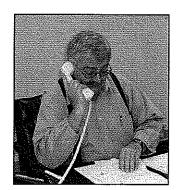
Lawrence M. Rine

Principal and Quality Assurance/Quality Control Manager

Years of Experience with MSES: 30 Years of Experience with Other Firms: 14

Education

B. S. Mechanical Engineering, West Virginia Institute of Technology 1969 B. S. Mining Engineering, West Virginia Institute of Technology 1970 Masters Study, Environmental Engineering, Cornell University 1973



Professional Registrations/Certifications

Certified Monitoring Well Designer and Installer - WVDEP Licensed West Virginia Underground Storage Tank Closure/Installation Specialist Class I Certified Public Water Supply Operator, West Virginia Class II Certified Wastewater Treatment Plant Operator, West Virginia Certified Commercial Applicator, West Virginia and Pennsylvania Radiation Safety Officer - NRC Certified Asbestos Inspector/Manager/Planner/Clegrance Air Monitor - WVBOH Licensed Remediation Specialist - WVDEP Certified Mineral Appraiser - U. S. Army Corps of Engineers

Member State School Building Authority - Indoor Air Quality Committee

Professional Organizations

West Virginia Independent Oil and Gas Association (Environmental Committee Member) Virginia Independent Oil and Gas Association (Association's Outstanding Member, 1990) Pennsylvania Independent Oil and Gas Association National Society of Professional Engineers West Virginia Society of Professional Engineers, T. Moore Jackson Chapter West Virginia Surface Mine and Reclamation Association

Past Work History

CNG Transmission Corporation

| Experience | Summary |
|------------|---------|
|------------|---------|

| Expendice 30mmary | |
|---------------------------------------|-----------------------------------|
| ■ Job Costing | Waste Management/Minimization |
| □ Management | Hazardous Waste Management |
| ☐ Groundwater Modeling/Monitoring | ☐ Asbestos Assessment |
| ☐ Earth Sciences | Lead Base Paint Assessment |
| ☐ Risk Assessment/Analysis | □ NORM Assessment |
| □ Regulatory Interaction | Brownfields Specialist |
| □ Economic Feasibility | □ Mapping |
| ☐ Phase I/II Investigation | □ Noise Assessment |
| ☐ Remediation (Design and Permitting) | □ SARA Title III |
| RCRA Waste Units | Specification Development |
| □ Drilling Programs | □ Environmental Impact Statements |
| □ Bioremediation | □ Data Processing |
| □ Sampling/Laboratory Programs | Public Mtg. & Proj. Explanation |
| ☐ Property Evaluations | □ QA/QC Inspection & Compliance |
| □ NPDES Permitting | □ Architectural Support |
| □ Municipal Engineering | □ Radon |
| □ Code Compliance | ■ Water/Wastewater Systems |
| 🗅 E-911 Systems | ☐ GIS Systems/Data Management |
| | |



John J. Keeling, P.E., C.I.H., C.S.P., Q.E.P., L.R.S.

Principal and Project Manager

Years of Experience with MSES: 18

Years of Experience with Other Firms: 15

Education

B. S. Civil Engineering, University of Kentucky, 1974

Professional Registrations/Certifications

Registered Professional Engineer - West Virginia and Kentucky
Certified Industrial Hygienist, American Board of Industrial Hygiene
Certified Safety Professional, Board of Certified Safety Professionals
Qualified Environmental Professional, Institute of Professional Environmental Practice
Licensed Remediation Specialist, West Virginia, New York, and Ohio BOH
Certified Visible Emissions Observer - USEPA
Licensed Asbestos Inspector/Manag. Planner/Clearance Air Monitor - WVBOH & Ohio
Underground Storage Tank Closure Specialist/Installer - WVDEP
Certified Monitoring Well Designer and Installer - WVDEP

Professional Organizations

American Society of Safety Engineers
American Industrial Hygiene Association
Air and Waste Management Association
Harrison County SARA Title III Local Emergency Planning Committee - Chairman
West Virginia Chapter of Air and Waste Management Association - Vice Chairperson

Past Work History

Union Carbide Corporation Kentucky Department of Transportation

| • | |
|---------------------------------------|-------------------------------------|
| □ Job Costing | Air Emission Regulatory Compliance |
| ■ Management | ☐ NPDES Permitting |
| ☐ Earth Sciences | Waste Management/Minimization |
| □ Risk Assessment/Analysis | Hazardous Waste Management |
| □ Regulatory Interaction | ☐ Air Emission Modeling |
| ■ Economic Feasibility | Asbestos Assessment |
| □ Phase I/II Investigation | Lead Base Paint Assessment |
| ☐ Remediation (Design and Permitting) | ■ NORM Assessment |
| □ RCRA Waste Units | Brownfields Specialist |
| □ Drilling Programs | ☐ Health & Safety |
| ■ Bioremediation | ■ Noise Assessment |
| ☐ Geographic and Hydrologic Studies | Hydrologic and Hydraulic Analysis |
| □ Sampling/Laboratory Programs | ☐ SARA Title III |
| ☐ Air Permitting | Specification Development |
| □ Indoor Air Quality | ■ Earth Sciences |
| ☐ Code Compliance | Environmental/Architectural Support |
| ☐ E-911 Systems | ☐ GIS Systems |

MSES Consultants, Inc.



Jeffrey T. Wise

Managing Director

Years of Experience with MSES: 10

Years of Experience with Other Firms: 15

Education

B. S. Mining Engineering, West Virginia University, 1981

Professional Registrations/Certifications

West Virginia Real Estate License

Past Work History

Hope Gas, Inc.

CNG Transmission Corporation

U.S. Steel Corporation

Experience Summary

| □ Regulatory Interaction | ☐ Phase 1 & 11 Investigation |
|--------------------------------|------------------------------|
| ☐ Sampling/Laboratory Programs | □ Data Base Systems |

- ☐ Life Safety Codes ☐ Health & Safety Programs
- ☐ Specification Development Job Costing ☐ Property Evaluation ☐ Site Surveys
- Mapping □ QA/QC Inspection & Compliance ☐ Economic Feasibility □ Land Planning
- ☐ Site Development ☐ Brownfields Specialist
- ☐ Site Utilities ■ Water/Wastewater Systems ☐ Erosion and Sediment Planning
- Stormwater □ Code Compliance ■ Appraisals
- Market Analysis ☐ Commercial/Retail Development ☐ Risk Assessment/Analysis

Upper Kanawha Valley Development Authority - Office Complex, Montgomery, WV Wheeling Jesuit University Science/Computer Teaching Center, Wheeling, WV

WVU Life Sciences Building, Morgantown, WV

☐ Project Management (Partial List of Projects)

WVU President's House, Morgantown, WV

Stonewall Jackson Lake State Park Lodge and Conference Center, Roanoke, WV

Veterans Square Parking Garage, Fairmont, WV

Fairmont State College Athletic Complex Lighting, Fairmont, WV

Erickson All Sports Athletic Complex, Parkersburg, WV

Hazelton Prison, FBOP, Hazelton, WV (Civil Planning)

VA Medical Center, Clinical Space, Clarksburg, WV

CDC/NIOSH North Parking, Morgantown, WV

Ripley High School, Ripley, WV

Robert L. Bland Middle School, Weston, WV

Marion County Schools, 4 School Additions, Fairmont, WV

Lewis County Schools, Countywide School Improvement Bond, Weston, WV

120 Bed VA Nursing Home, Clarksburg, WV

DHHR - State Office Complex, Clarksburg, WV

City of Ripley - Municipal Building, Ripley, WV





Jeffrey K. Pauley, P.E., P.S. Senior Project Manager/Engineer

Years of Experience with MSES: 12

Years of Experience with Other Firms: 7



B. S., Electrical Engineering, Tennessee Tech University, 1988

Professional Registrations/Certifications

Registered Professional Engineer - West Virginia, Ohio, N.Y., Penn. Maryland, Virginia, North Carolina, and District of Columbia Professional Surveyor - West Virginia Licensed State of West Virginia Master Electrician

Professional Organizations

National Society of Professional Engineers Member Harrison County BOCA Appeals Board

Past Work History

Allegheny Power Company

| ☐ Project Management | Regulatory Interaction |
|---------------------------------------|-------------------------------------|
| ☐ Data Base Systems | Computer Modeling |
| ☐ Life Safety Codes | ☐ Specification Development |
| → Job Costing | ■ QA/QC Inspection & Compliance |
| ☐ Economic Feasibility | ☐ Lighting |
| ☐ Power Systems | ☐ Fire Alarm Systems |
| ☐ Telecommunications/Computer Systems | ☐ Emergency Generator |
| ☐ Power Distribution | ☐ National Electric Code Compliance |
| ☐ Code Compliance | ☐ Architectural Support/Electrical |
| ☐ Site Surveys | □ Mapping |
| ☐ Site Development | ☐ Site Utilities |
| | |





David L. Skeen, P. E. Senior Project Engineer

Years of Experience with MSES: 18

Years of Experience with Other Firms: 33

Education

B. S. Mathematics, West Virginia State College, 1975 Chemical Engineering, Virginia Polytechnic Institute

Professional Registrations/Certifications

Professional Engineer - West Virginia, Ohio and Kentucky

Professional Organizations

National Society of Professional Engineers AIA West Virginia Chapter, Associate Member

Past Work History

David L. Skeen, PE (Sole Proprietor) James E. Moore Engineering, Inc. Paul E. Cook Engineering, Inc.

| □ Project Management |
|---------------------------------------|
| □ Indoor Air Quality |
| □ Noise Assessment |
| ☐ Specification Development |
| ■ Job Costing |
| Emergency Power Generator |
| □ HVAC Systems Design |
| □ Boiler System (Hot Water/Steam) |
| ☐ Code Compliance |
| ☐ Laboratory Exhaust Systems |
| ☐ Isolation Room HVAC Systems |
| ☐ Energy Recovery Ventilation Systems |
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- ☐ Life Safety Codes
- ☐ Economic Feasibility
- ☐ National Electric Code Compliance
- ☐ Fire Protection Systems
- □ Energy Management systems/Audits
- ☐ Specialty Ventilation Systems
- ☐ Architectural Support/Mechanical
- ☐ Ground Source HVAC Systems
- ☐ Kitchen Ventilation Systems



Rodney D. Kidd, BSCE

Project Engineer

Years of Experience with MSES: 18

Years of Experience with Other Firms: 12

Education

B. S. Civil Engineering, West Virginia University, 1974

Professional Registrations/Certifications

Certified Compaction Technician - West Virginia Department of Highways Certified Concrete Technician - West Virginia Department of Highways

Professional Organizations

American Society of Testing Materials
American Water Well Association
National Ground Water Association
Past Chairman – City of Bridgeport Planning and Zoning Commission

Past Work History

Union Carbide Corporation

| Project Management Sampling/Laboratory Programs Life Safety Codes Job Costing QA/QC Inspection & Compliance Soils Engineering Flood Routing Geographic and Hydrologic Studies Land Planning Municipal Engineering Site Utilities Firewater Systems Subsurface Investigation Stormwater Management Code Compliance | □ Regulatory Interaction □ Data Base Systems □ Specification Development □ Property Evaluation □ Economic Feasibility □ Earth Sciences □ Stormwater Routing □ Foundations □ Site Development □ Hydrologic & Hydraulic Analysis □ Plumbing System/Design □ Roadway/Highway □ Water/Wastewater Systems □ Erosion and Sediment Planning □ Civil/Architectural Support |
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Louis P. Saas, Jr.

Project Engineer

Years of Experience with MSES: 8

Years of Experience with Other Firms: 27



Education

B. S. Electrical Engineering - West Virginia Institute of Technology - 1971

A. S. Electronic Engineering- (International Correspondence School (ICS) - 1989

Professional Registrations/Certifications

Master Electrician's License - State of West Virginia

Professional Organizations

Institute of Electrical Electronic Engineers (IEEE)

Past Work History

Equitable Gas Co./Equitrans, L.P.

| □ Design (Stations, M&R, Pipeline) □ Code Compliance □ Training Programs □ Gas System □ Specification Devalor □ QA/QC Compliance □ Sampling Program □ Environmental Area |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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Gary (Mike) Chancey, P.E.

Project Engineer

Years of Experience with MSES: 13
Years of Experience with Other Firms: 6

Education

B. S. Electrical Engineering, West Virginia Institute of Technology, 1985

Professional Registrations/Certifications

Registered Professional Engineer: West Virginia Ohio Pennsylvania Virginia

Professional Organizations

National Society of Professional Engineers West Virginia Society of Professional Engineers, T. Moore Jackson Chapter -Secretary/Treasurer

Past Work History

Triad Engineering
Duke Power Company

| ☐ Economic Feasibility ☐ Power Systems ☐ Telecommunications/Computer Systems ☐ Power Distribution ☐ National Electrical Computer Systems | • |
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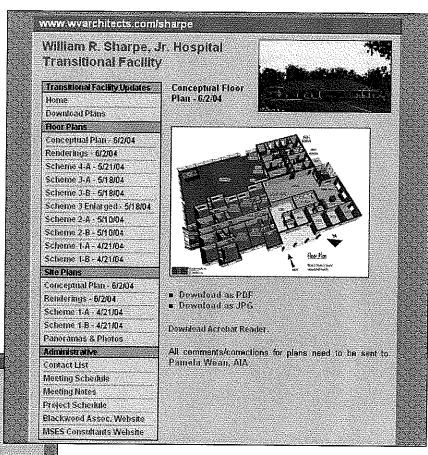
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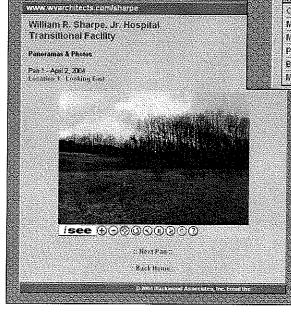




DESIGN WEBSITE

Blackwood Associates, Inc. features its own Web Design Division. **BAI** has been developing project design websites for over 11 years and this has significantly improved project communication. During design development, our websites are used to feature project updates, renderings and floor plans for review, as well as preconstruction site photography and site plans.





Project Design Websites are used for:

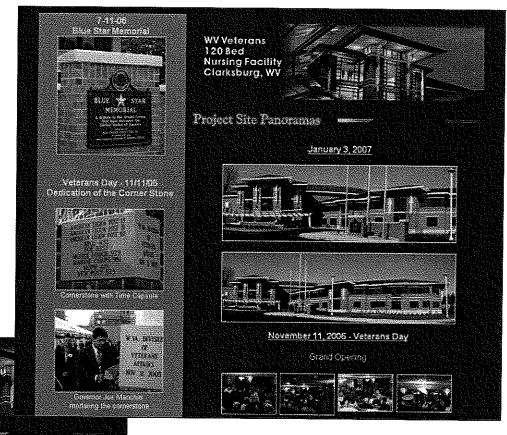
Conceptual Designs
Design Document Reviews
Progress Photos & Panoramas
Floorplan and Rendering Analysis

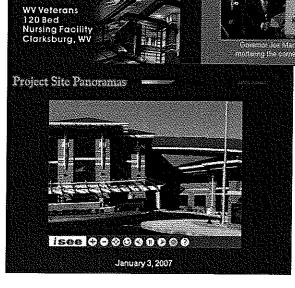




CONSTRUCTION WEBSITE

Blackwood Associates, Inc. features its own Web Design Division. BAI has been developing project websites for over 10 years and this has significantly improved project communication. Construction website information is updated during the building process on a regular basis.





Project Construction Websites are used for:

Progress Reports
Progress Photos & Panoramas
Construction Record



*709040528

FAIRMONT WV

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

BLACKWOOD ASSOCIATES INC

26554

611 EAST PARK AVENUE

304-366-1580

Request for Quotation

WSH90086

PAGE

ADDRESS CORRESPONDENCE TO ATTENTION OF

ROBERTA WAGNER

304 - 558 - 0067

HEALTH AND HUMAN RESOURCES WILLIAM R. SHARPE JR. HOSPITAL CENTRAL RECEIVING 1936 SHARPE HOSPITAL ROAD WESTON, WV

> 26452 304-269-1210

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FAIRMONT WV

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

Request for Quotation

WSH90086

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ADDRESS CORRESPONDENCE TO ATTENTION OF

| | ROBERTA WAGNER | B-04-558-0067

*709040528 304-366-1580 BLACKWOOD ASSOCIATES INC 611 EAST PARK AVENUE

26554

HEALTH AND HUMAN RESOURCES
WILLIAM R. SHARPE JR. HOSPITAL
CENTRAL RECEIVING
936 SHARPE HOSPITAL ROAD
WESTON, WV
26452
304-269-1210

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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 WSH90086

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ADDRESS CORRESPONDENCE TO ATTENTION OF

ROBERTA WAGNER 804-558-0067

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*709040528 304-366-1580 BLACKWOOD ASSOCIATES INC 611 EAST PARK AVENUE

FAIRMONT WV 26554

HEALTH AND HUMAN RESOURCES WILLIAM R. SHARPE JR. HOSPITAL CENTRAL RECEIVING 936 SHARPE HOSPITAL ROAD WESTON, WV 26452 304-269-1210

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EOI - WSH90086 ADDENDUM # 1

- Q We are interested in submitting our credentials for consideration as architects for the above referenced project. In the interest of better understanding the project requirements for our submission, I would like to visit the site next week to see the existing conditions. Can you provide me with a contact at the hospital for a site visit?
- A Kevin Stalnaker, CEO, William R. Sharpe, Jr. Hospital (304) 269-1210 ext.280

PLEASE NOTE

All questions and answers must be in writing. Any answers to questions that may be asked on a site visit are not to be considered formal answers and responses to such questions will not be binding.



VENDOR

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

Request for

WSH90086

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ADDRESS CORRESPONDENCE TO ATTENTION OF

ROBERTA WAGNER 304-558-0067

*709040528 304-366-1580 BLACKWOOD ASSOCIATES INC 611 EAST PARK AVENUE

FAIRMONT WV 26554 HEALTH AND HUMAN RESOURCES WILLIAM R. SHARPE JR. HOSPITAL CENTRAL RECEIVING 936 SHARPE HOSPITAL ROAD WESTON, WV 26452 304-269-1210

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

Request for Quotation

RFQNUMBER WSH90086

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ROBERTA WAGNER

*709040528 304-366-1580 BLACKWOOD ASSOCIATES INC 611 EAST PARK AVENUE

FAIRMONT WV 26554

HEALTH AND HUMAN RESOURCES
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CENTRAL RECEIVING
936 SHARPE HOSPITAL ROAD

WESTON, WV

26452

304-269-1210

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EOI - WSH90086 ADDENDUM # 2

- **Q** Who was the architect and structural engineer for the existing facility?
- A Architect Engineer
 Blackwood Associates, Inc.

 Engineer
 MSES Consulting, Inc.

611 East Park Avenue Fairmont, WV 26554

P.O. Box 190 Clarksburg, WV 26302

Q - In what year(s) was it built? A - 1992 through May 15, 1994

- Q What is the existing structure? Steel? Concrete?
 A Building construction is steel columns and beams, concrete floors and brick veneer and metal stud walls.
- Q Do columns currently extend through the existing roof?
- A No, and I do not know if the columns extend above the concrete slab.
- Q Is the existing roof installed over a future floor slab? If so, what is the thickness of that slab?
- A The second floor slab (roof over E-Wing) is in place and is 5" thick.
- Q Will the existing building remain occupied during construction?
- A Yes
- Q Will any construction occur at public entrances?
- A No

- Q Please define the contractor staging area: Is the site remote or next to other surrounding building? And is the overall access to the site and/or building limited?
- A The site of the construction is over an existing building so the contractor staging area would be adjacent to the existing building. Access can be somewhat controlled and limited through fencing and security.
- **Q** Does the Owner plan to have an Owner's Representative on-site full time during construction?
- A No
- **Q** What are the existing roof materials?
- A The roof structure consists mainly of light-gage metal trusses placed on the concrete slab, with metal deck, insulation and standing-seam metal roofing. Portions of the roof are "flat" with insulation and EPDM membrane installed over the concrete slab. These areas have roof drains.
- Q Does the existing roof have any leaks?
- A No
- Q Will any penthouses, such as elevators, need to be relocated?
- A There is an area shown in E-Wing for a future elevator to be installed. It appears the elevator pit walls have been constructed, but a concrete floor was poured at First Floor level and will need to be removed to open up the pit.
- Q Will the new kitchen be separate of connected to existing facilities?
- A Not known but design development will determine.
- Q If accepted, will the kitchen addition occur simultaneously with the patient addition, or will it be phased?
- A Design development will determine but anticipated to occur simultaneously.
- Q Will proposed work include any loading docks?
- A Not anticipated but design development will determine.

STATE OF WEST VIRGINIA Purchasing Division

PURCHASING AFFIDAVIT

VENDOR OWING A DEBT TO THE STATE:

West Virginia Code §5A-3-10a provides that: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

West Virginia Code §21-1D-5 provides that: Any solicitation for a public improvement construction contract shall require each vendor that submits a bid for the work to submit at the same time an affidavit that the vendor has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code. A public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the West Virginia Code and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the West Virginia Code may take place before their work on the public improvement is begun.

ANTITRUST:

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

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

LICENSING:

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

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendors should visit www.state.wv.us/admin/purchase/privacy for the Notice of Agency Confidentiality Policies.

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

| Vendor's Name: Blackerous Association III |
|-------------------------------------------|
| Authorized Signature: |
| Purchasing Affidavit (Revised 07/01/08) |